



2022 Stormwater Utility Report

Prepared by Public Works

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EXECUTIVE SUMMARY

The year 2022 was the fourth complete calendar year of the City of Peoria Stormwater Utility (SWU). On December 5, 2017, City Council amended Chapter 31 of the Municipal Code of Peoria to create the SWU to fund the municipal responsibilities for owning and operating a storm sewer system. The stormwater drainage system consists of a network of pipes and natural channels that provide for the safety and benefit of the community. Table 1 is a list of stormwater management activities that are all funded by Peoria’s stormwater utility. These activities are all essential to providing a safe and reliable drainage system within the community.

Administration		Asset Management		Infrastructure Investment	
SWU Management	Permit Compliance	Data Management	System Maintenance	Studies & Planning	Capital Investments
Utility Administration	Public Engagement	GIS Database	Asset Cleaning & Maintenance	Watershed Studies	Project Delivery
Customer Accounts	Pollutant Controls	Inspections and Condition Assessment	Equipment Maintenance	Floodplain Management	Equipment Purchase
SWU Credit Program	Water Quality/TMDL Compliance	Record Drawings	Workforce Development	Community Investment Plan	SWU Grant Program

Table 1: Stormwater Utility Activities

Operating a successful stormwater management program is contingent upon having the appropriate resources available to deliver the required services. The activities identified in Table 1 require persons with expertise in mechanical equipment, software systems, engineering, surveying, construction, public administration, finance, communications, and legal matters. Before the existence of the SWU, the City’s ability to deliver these services was limited because funds dedicated to stormwater management were not available. The stormwater utility provides the City with the financial stability to execute a Stormwater Management Program within the Public Works Department that delivers services in the most effective manner.

ENTERPRISE FUND ACCOUNT

The following information is based on Public Works records and not the result of a financial audit.

The SWU account began the 2022 year with a fund balance (net position) of \$31,136,699. SWU revenues (including interest) from approximately 46,300 customers was \$19,148,698. Customers are split into three billing cycles and are billed quarterly (4 times per year). The collection rate, from the start of the utility, is 88.3%. Expenses were \$9,124,811. Unaudited SWU expenses include encumbrances for continuing project costs into the following year. Because of how projects work and the timing of invoices, it could be several months after the

start of the new year that the last year’s invoices are sent to the city and processed. The unaudited numbers mean that the 2022 year has not been closed and encumbrances (expenses that have been planned for and approved but have not yet been spent) are still held in that year. Table 2 provides fund revenue and expense data for the 2022 fiscal year and comparison to prior years. The fund balance amounts for prior years are slightly different than what was reported in the annual SWU report because we are using unaudited data to generate these reports.

	2022	2021	2020
Jan. 1 Fund Balance	\$31,136,669	\$19,856,307	\$12,340,551
SWU Revenues	\$19,148,697	\$16,685,423	\$13,319,817
Administrative Expenses	(\$3,667,889)	(\$2,381,717)	(\$2,208,776)
Maintenance Expenses	(\$1,155,832)	(\$851,525)	(\$2,029,444)
Capital Expenses	(\$4,301,091)	(\$2,171,819)	(\$1,565,841)
Dec. 31 Fund Balance	\$41,160,555	\$31,136,669	\$19,856,307

Table 2: SWU Revenues and Expenses

The fund balance continues to increase as revenues exceed the annual expenses. However, 2022 saw a significant increase in expenses over the 2021 and 2020 fiscal years. Expenses were significantly reduced during the pandemic years when capital projects were paused due to the unprecedented work restrictions. Project planning, design, and construction in 2022 was double the 2021 activity. Supply chain issues are having an impact on 2022 construction projects. The SWU fund balance will be reduced in future years as a significant increase in annual capital projects are itemized in the 2023 to 2027 Community Investment Plan.

ROLES AND RESPONSIBILITIES

The City Council is responsible for setting the policies and priorities for the stormwater utility funds. The City Manager is responsible for oversight of and guidance to the departments of city government. The Public Works Department is responsible for capital improvements, maintaining and repairing drainage infrastructure, public education about environmental impacts of stormwater runoff, and administering the SWU which includes appeals, credits, and grant applications. The Finance Department is responsible for identifying costs that are eligible for stormwater utility funds, following all accounting rules and laws for spending and reporting related to the stormwater utility and ensuring the financial health of the stormwater utility fund. The Finance Department is also responsible for billing and receiving the stormwater utility fees, paying invoices, and tracking revenues and expense for the SWU fund. The Treasurer’s office is responsible for collecting payments of the stormwater utility bills. The Legal Department manages legal questions about the utility structure relative to state and federal laws and regulatory policies.

ADMINISTRATION

Administrative efforts to manage the City’s Stormwater Program require engineering, maintenance, fiscal, and administrative staff to perform a variety of services. Staff prepares and issues quarterly invoices, assists customers with questions about their bills, reviews appeals requesting changes to the impervious area measurements, processes credit and grant

applications, manages the GIS database with information from maintenance staff and contractors, responds to storm-related problems, and manages contractors and consultants.

STORMWATER UTILITY MANAGEMENT

Utility administration includes the day-to-day activities to manage the utility including customer service, processing invoices, financial/budget reviews, overseeing work completed by contractors and engineering consultants and cross-departmental coordination. It also includes planning efforts such as identifying projects and budgets for the community investment plan and determining system needs.

CUSTOMER ACCOUNTS

Multiple departments work with customer accounts. Good customer service depends on individuals within each department following through on their respective responsibilities.

The Finance Department Accounts Receivable (AR) division manages over 46,300 accounts, generating quarterly bills and delinquency notices for past due balances. Accounts Receivable staff create final bills for the property owners. AR updates accounts when property ownership changes. Additionally, AR assists with questions regarding the stormwater utility bills, updating customer contact information as requested by customers, and guiding customers using the online payment portal. They process refunds for overpayment and work with Public Works on issuing adjustments if needed for customer appeals.

The City Treasurer's office is responsible for the administration and management of the collection, verification, depositing and recording of the stormwater utility fees.

The Public Works Department reviews customer appeals. An appeal is a way for a customer to contact the department if they feel that their bill has is based on an incorrect impervious surface area. In 2022 the department received approximately 40 appeals. Public Works also maintains an online impervious area map where customers can view up the impervious surface area of their property. It is available on the City's peoriagov.org website, which is responsible for educating the public about the stormwater utility and why it is needed. Public Works also helps customers with private property drainage issues and offers multiple credit and grant programs for SWU customers.

STORMWATER UTILITY CREDIT PROGRAM

A credit is an ongoing reduction to the stormwater bill. Credits sunset after 4 years but are renewable. Credits require an annual inspection by the property owner to ensure that the stormwater management systems are in good working order. Credits are offered for actions that retain runoff on private property, remove pollutants from the runoff stream, or other innovative ideas that benefit the public drainage system. Credits are not expenditures in the SWU accounting system. **Appendix I** provides a map of approved 2022 Credits. The Credit and Grant Manual is available to the public on the website peoriagov.org.

Volume Control Credit

Public Works received no applications for the Volume Control Credit in 2022. The volume control credit offers two different levels of volume control credit depending on the volume of water captured. Capturing the 1" rainfall event earns a 15% volume control credit. Capturing the Combined Sewer Overflow (CSO) design storm event of 1.6" of rainfall earns a 30% volume control credit. These reductions apply to the impervious area that contributes flow to the

infiltration basin. Previous years were eligible for 10% credit and 25% credit, with the 25% credit for capturing the 2.61” of rainfall.

	2018	2019	2020	2021	2022
Capture 1” rainfall	3	1	0	2	0
Capture 1.6” rainfall *Previously 2.61” rainfall	1	7	0	0	0

Water Quality Credit

Credits are also available to property owners that construct and maintain facilities that remove pollutants from runoff that flows into the public drainage system. There are two different levels of water quality credit depending on the percent of total suspended solids (TSS) removed. Removing 50% TSS earns a 10% credit and removing 75% TSS earns a 20% credit. Public Works did not receive any applications during 2022.

	2018	2019	2020	2021	2022
Removing 50% TSS	0	1	1	0	0
Removing 75% TSS	0	0	0	0	0

Rate Reduction Credit

Public Works received one application for the Rate Reduction Credit in 2022 and it was approved. The rate reduction credit offers two different levels of credits depending on the level of control, detaining the 2-year/24-hour and 25-year/24-hour storm rainfall event is eligible for 15% credit and detaining the 100-year/24-hour storm rainfall event is eligible for 30% credit. Previous years these were eligible for a 10% credit and 25% credit.

	2018	2019	2020	2021	2022
Detaining 25yr	1	4	0	0	0
Detaining 100yr	0	5	0	0	1

Direct Discharge Credit

Applicants had to demonstrate that their impervious area drained directly to the Illinois River. This credit has now been replaced with the Fee Exclusion. A total of 31 properties met the requirements for the direct discharge credit.

	2018	2019	2020	2021	2022
Direct Discharge	3	16	0	8	4

FEE EXCLUSION

Fee Exclusions are available to qualifying applicants who demonstrate the impervious area on the property drains directly out and does not re-enter, directly or indirectly, the City storm drainage system. Qualifying properties are eligible to receive a fee exclusion of 50% or 90% by meeting the standards set in the credit and grant manual for each level of fee exclusion. Public Works has received two applications for fee exclusion, with both properties being denied. The fee exclusion has replaced the direct discharge credit from previous years.

PERMIT COMPLIANCE

The Clean Water Act (CWA) classifies stormwater runoff as a pollutant to be regulated. The 1989 Amendment to the CWA established the National Pollutant Discharge Elimination System (NPDES) for Municipal Separate Storm Sewer Systems (MS4). Within the State of Illinois, the Illinois Environmental Protection Agency (IEPA) administers the MS4 program and policies. The City manages a stormwater management program under the terms of IEPA Permit Number ILR40 that is effective until February 28, 2023.

The MS4 permit requires the City to develop a Storm Water Management Program comprised of best management practices (BMPs) and measurable goals for each of the following six minimum control measures:

1. Public education and outreach on storm water impacts
2. Public involvement and participation
3. Illicit discharge detection and elimination
4. Construction site storm water runoff control
5. Post construction storm water management in new development and redevelopment
6. Pollution prevention/good housekeeping for municipal operations

These six minimum controls can be simplified into public engagement and pollutant controls.

Following permit requirements, Peoria submitted an annual report to the IEPA for the period of March 2021 to March 2022 by June 1, 2022. See **Appendix A** for the Annual report. The annual report for March 2022 to March 2023 is due on June 1, 2023. The annual report describes actions taken by the City to fulfill the permit requirements and implement the City's stormwater management program established in the Notice of Intent dated May 26, 2016.

Water quality Testing and Total Maximum Daily Load (TMDL) water quality testing are also required under the permit. **Appendix B**, Strategy for TMDL Limits in Peoria, contains the TMDL plan. **Appendix C**, MS4 Water Quality Sampling, contains the water quality testing.

PUBLIC ENGAGEMENT

The City has an informational packet named "Our Water, Our Way" related to stormwater education and the stormwater utility that has been used since its creation in 2018. The documents are available on the peoriagov.org website. See **Appendix E** for the flyers.

The Peoria Stormwater website was incorporated into the new City of Peoria website in 2022. The stormwater content of the website contains public education materials on stormwater issues as well as provides customers tools to review their impervious area, learn about the appeals process, read the credit and grant manual, download credit and grant application forms, and contact City staff.

Due to COVID 19 the Clean Water Celebration, Party for the Plant and Public Works Open House were cancelled. In the past, the City regularly attended these three booth events. Public meetings and meetings with Neighborhood Associations have been in person for projects on Deerbrook, Glen Ave, and for Combined Sewer Overflow year 1 and year 2 in 2022. Information

about the project's purpose and impact were provided for everyone in attendance, along with the opportunity to ask questions about the projects.

Upcoming in 2023 the Clean Water Celebration will be held in person and Public Works plans to have their open house as well, plans to attend these events are scheduled.

POLLUTANT CONTROL MEASURES

Public Works contracts with consulting engineers to perform the mapping and dry weather screening required by the IEPA permit. These investigations record the location, size, material, and condition of the constructed elements of the storm drainage system. Efforts to date have documented 1,183 outfalls within the City drainage system. The City received a report of one illicit discharge regarding illicit dumping into stormwater drains. The City immediately investigated the complaint and notified the company in writing that their actions were not allowed and directed them to stop. Staff used the opportunity to explain the regulations and why this activity is not allowed.

The consulting engineer also performs quarterly water sampling. A report of the Separate Storm Sewer System water quality samples is included in **Appendix C**.

The City contracts with consulting engineers to perform construction site runoff control oversight and permit reviews. These efforts involve review of pollution prevention plans for the proposed site and inspections during construction to confirm the site is being managed to prevent erosion.

New construction permits issued by the City require volume control of the runoff produced by the first inch of rainfall. The volume control requirement results in the capture of the runoff with the highest concentration of pollutants. This requirement is classified as a post-construction stormwater control.

Public Works staff typically attend the annual APWA Illinois Section meeting in May of each year to learn how to provide good housekeeping for municipal operations. The 2022 conference was held at the Peoria Civic Center after three years of virtual conferences due to the COVID pandemic. Public Works had 24 staff attended the 2022 conference.

WATER QUALITY MONITORING TMDL

In 2018, IEPA staff performed an audit of the City's compliance with Permit ILR40. One of the audit findings directed the City to incorporate strategies that will lead to improved water quality as reported in the Total Maximum Daily Load (TMDL) and Load Reduction Strategies for the Middle Illinois River, dated August 9, 2012, and issued by the Region 5 office of the USEPA. The City engaged a consulting engineer to prepare a plan to implement testing procedures that will guide actions aimed at reducing the volume of bacteria that enters the Illinois River and Kickapoo Creek. The consultant's recommendations are included in **Appendix B**. The City consultants installed water quality sampling equipment and additional rain gauges in 2022. The expanded sampling program will begin in 2023.

The TMDL testing protocols required for the separate storm sewer system are in addition to testing requirements for the combined sewer system and standard MS4 testing procedures of the Separate Storm Sewer System.

ASSET MANAGEMENT

The City of Peoria has a land area of approximately 48 square miles along the west bank of the Illinois River primarily north of Kickapoo Creek. The Municipal Separate Storm Sewer System (MS4) captures runoff from 40 square miles while the Combined Sewer System captures runoff from approximately 8 square miles. The storm drainage system consists of constructed and natural infrastructure that provides for the safety, prosperity, and benefit of the community. The infrastructure system of streets and storm sewers are also assets of the city. Assets are tangible things of value, such as equipment, facilities, and infrastructure systems. All equipment, facilities and infrastructure require maintenance, repairs, improvement, and eventual replacement. In 2022, the City's Stormwater Program Manger initiated steps to modernize the ten-year-old database to current GIS industry standards to allow for improved management of system attributes. The database schema upgrades are being implemented in concert with new and expanded methods to collect data.

GIS DATABASE

Public Works contracts with consulting engineers to perform the mapping and dry weather screening required by the IEPA permit. Through this effort, each year the City adds storm sewer location, attribute, and condition data to the City's GIS database. Since the start of the mapping project, this effort has mapped 176 miles of storm sewer within 38.33 square miles of the City. The CSO area is eight square miles. This mapping effort to date has identified 1,183 locations where a storm sewer pipe discharges runoff into a natural drainage path such as a creek. These are commonly referred to as outfalls. We anticipate that mapping efforts in 2023 will complete the initial mapping effort of the municipal separate storm sewer system.

INSPECTIONS AND CONDITION ASSESSMENT

Within five designated areas of the known storm sewer system, the City contracted with a local company to clean, measure, and report the condition of approximately 75,000 feet of storm sewer pipes ranging in size from 4" diameter to 60" diameter. This represents approximately 7% of the city's existing storm sewer pipe network. Results of the inspection are being incorporated into the new GIS database.

Public Works uses this information, along with other data, to determine maintenance and capital investment priorities for storm sewer pipe projects. The City will continue the cleaning and inspection work in future years to determine the condition of the existing storm sewer system and establish maintenance, repair and replacement plans. If seven percent of the existing system is cleaned and inspected each year, each pipe will be inspected once every fourteen years.

RECORD DRAWINGS

It is a significant effort to create and manage records also known as "as-built" or "record" drawings of constructed infrastructure. Many construction projects encounter unexpected field conditions that require changes to the plans to build the needed improvements. Tracking information on what was constructed is important to have for future maintenance needs, watershed modeling, and to understand what assets were constructed. Storm sewer GIS mapping has been updated with "as-built" records for roadway construction projects on Forrest Hill Avenue, Harvard Avenue, and University Street in 2022. This process will continue in 2023 and future years as projects are completed.

SYSTEM MAINTENANCE

The City uses SWU funds to maintain properties in order to control debris and vegetation that typically clog the city storm sewer system when they enter inlets and pipes. During 2022, the City used contracted services to perform mowing, tree removal, and other routine maintenance activities. City staff provided the bulk of the storm drainage related maintenance activities in 2022.

ASSET CLEANING AND MAINTENANCE

Public Works maintenance crews were busy in 2022 inspecting, cleaning, and maintaining the storm sewers. Cleaning and repairing inlets, culverts, and storm sewers are priorities for city maintenance staff. **Appendix J** provides details about the work performed and labor costs reported to these activities. The following is a summary of the maintenance work performed:

- 931 hours cleaning inlet tops
- 16 hours cleaning headwalls
- 1,757 hours of concrete work
- 194 hours inspecting inlets
- 50 hours inspecting pipes
- 3,427 hours repairing storm sewers
- 1,155 hours cleaning storm sewers
- 9,266 hours sweeping streets

Public works swept city streets ten times during the year which removed 2,700 tons of debris and pollution that would have ended up in the storm sewer pipes, streams, and eventually the Illinois River.

SWU funds paid for the Forestry section. Forestry removes dead and diseased trees, tree uplifting, tree planting, and tree pruning in the Right of way and on City property. The following is a summary of the forestry work performed:

- 259 hours inspecting trees
- 462 hours mowing
- 748 hours planting trees
- 45,714 hours trimming tree/brush/weed

In addition to work performed by City crews, SWU funds are also used to pay local contractors for mowing and weed control on approximately 1,294 vacant lots at a cost of \$189,106. The contractors mowed the vacant lots approximately 18 times. Contract services were also used to remove trees within streams and creeks at a cost of \$40,814.

The following is a tabulation of asset maintenance costs:

City labor (62,508 hours)	\$2,270,826
Contracted services	\$230,386
Equipment depreciation	\$2,043,678
Material cost	\$46,460
Totals	\$4,591,350

EQUIPMENT MAINTENANCE

The Public Works crews use street sweepers, work trucks, jetting and vacuuming trucks, excavators, back hoes, as well as an array of other equipment and tools. Public Works fleet staff maintain the tools and equipment used by Public Works crews. Having the right equipment in good condition creates a safe and efficient work environment. The cost of parts increased in 2022 to \$93,617 when compared to previous years. The cost of labor to repair and maintain the units was \$31,392. The aging equipment needed more frequent and extensive repairs when compared to previous years. The total costs of these services as tabulated in **Appendix L** is \$125,046.

2019	2020	2021	2022
\$265,690	\$211,014	\$11,173	\$125,046

WORKFORCE DEVELOPMENT

PEORACORPS

The training program focuses on job skills required to maintain green infrastructure intended to replicate natural conditions within the urban environment to reduce the amount of rainfall that becomes runoff and enters the storm sewer pipes. **Appendix K** provides additional details about the 2022 PeoriaCorps program.

PeoriaCorps was on hiatus from October 2021-April 2022 due to program director vacancy and contract transition from IDPH to IDHS funding, the contract transition affected all Illinois AmeriCorps programs. The program returned robustly in September of 2022 under a new program director with a fall cohort of 5 young adults whose service term runs through March of 2023 (please note that PeoriaCorps was reduced from 10 slots per cohort to 6 slots per cohort in 2021 due to recruitment and retention challenges experienced historically by the program).

Since its inception in 2017, PeoriaCorps has had fifty-seven participants complete the program. In 2022, the OSHA 10 general industry certification was added to the existing NGICP certification offered by the program, through funding from the Edwards Coal Plant Settlement Fund. Numbers were a bit lower for 2022, as no cohort was held from January 2022 – August 2022 and PeoriaCorps Long Term Crew Supervisor was deployed for military service beginning in October 2022, a new Temporary Crew Supervisor and former PeoriaCorps graduate was hired in December of 2022 and brings a wealth of knowledge and experience in landscape and native plant maintenance.

Despite these program challenges, members still recorded 1,435 hours of service during the second half of 2022, including 270 program hours of litter removal, seed harvesting, plant maintenance, installation, and watering of green infrastructure landscapes within the City of Peoria, servicing a total of over sixty-six acres of green space. Members participated in the National Day of Service in recognition of their work in assisting with the installation of native plants in the new landscaping at Peoria’s Fire Central Station located on Monroe Street in Downtown Peoria. In addition, PeoriaCorps Crew Supervisor worked on the newly rejuvenated landscape at City Hall which features over two thousand new plantings of native plants and grasses.

After receiving direct instruction about maintaining plants in landscaped areas and their importance to stormwater management, students receive communication, time management, and self-efficacy skill instruction. Upon successfully completing the job training program, applicants are eligible and encouraged to take an exam to become certified by the National

Green Infrastructure Certification Program. As of the publication of this report, PeoriaCorps has had three graduates complete the NGICP certification process.

MAYOR'S YOUTH PROGRAM

The Mayor's Youth Program is an eight-week, paid summer internship program for Peoria Public Schools District 150 high school juniors and seniors. During the summer-enrichment initiative, students perform tasks such as weeding and mulching, litter and tire pick-up, and other beautification tasks throughout the City that focus on improving the City's green infrastructure. On Fridays, students attend career exploration events and presentations. In 2022, there were eighteen students in the program and five adult team leaders. The Stormwater Utility Fund paid \$74,445 for the 2022 program.

Year	Amount spent
2020	\$785 *Covid-19 shortened
2021	\$60,000* not Stormwater Utility funded
2022	\$74,445

INFRASTRUCTURE INVESTMENT

Each year the City prepares a Community Investment Plan that identifies projects, equipment, and engineering studies to complete in the coming year. The 2022 budget year spent \$4,301,091 of SWU funds in delivering the Community Investment Plan to make capital improvements to storm drainage infrastructure. As reported in Table 2 of this report, capital investments in storm drainage infrastructure increased each year. Capital improvements require considerable time to gather information, design improvements, and construct the facilities. Several capital projects are in the design stage in 2023 that will be constructed in 2024 and 2025. The following is a description of the major capital expenditures of 2022.

EPA PERMIT COMPLIANCE

SWU funds pay for efforts to comply with the requirements of the Clean Water Act National Pollution Discharge Elimination System (NPDES) Municipal Separate Storm Water System (MS4). See section Permit Compliance for more information on the work completed. \$293,358 of SWU funds were spent on these efforts in 2022. A significant portion of the cost is attributed to the surveying, inspection, and mapping of the drainage infrastructure. Additional costs are attributed to the reporting requirements of the permit. **Appendix D** identifies the area that was mapped in 2021. A previous section of this report titled Asset Management provides additional information about the mapping efforts and how that information is being used to plan capital and maintenance activities.

CHANNEL STABILIZATION

During 2022, one project was completed in the Springdale Cemetery to stabilize a portion of the eroded stream at a cost of \$135,044. The second channel project listed in Appendix F is the reconstruction of the concrete channel carrying the North Street Tributary through the Florence Addition, Johnson Subdivision, and Richwoods Addition which crosses Florence Avenue and

Merle Lane. Property constraints have delayed this project. Work will resume once questions about property access and ownership have been resolved.

CULVERT REPLACEMENT

Three culvert replacement projects were in progress in 2022.

Merle & Knoxville Culvert

Bids to replace the culvert that carries the East Branch of Dry Run Creek under Merle Lane were received on September 7, 2022. A contract was awarded for approximately \$1.3 million that will be completed in 2023. Project expenses of \$61,547 were paid in 2022.

Abington & Madison Culvert

Bids to replace the culvert that carries Springdale Creek under the former railroad tracks near the intersection of Abington Street and Madison Avenue were received on October 25, 2022. A contract was awarded for approximately \$361,500 that will be completed in 2023. Project expenses of \$25,920 were paid in 2022.

Glen Culvert West of Sheridan

Engineering efforts in 2022 to design a replacement for the 1930's era culvert under Glen Avenue were completed in 2022 at a cost of \$74,997. The project will be awarded to a contractor and constructed in 2023 at a cost of approximately \$500,000.

DRAINAGE ANALYSIS ENGINEERING

Five drainage analysis projects were completed by engineering consultants at a cost of \$210,000 in 2022. These studies have identified \$13,510,000 of infrastructure improvements that will protect public and private property from catastrophic damage.

Glencrest Subdivision

The study examined the drainage conditions of the 132 acres roughly described as north of Lake Avenue and between Sheridan Road and Knoxville Avenue. Study recommendations completed by Dewberry Engineers in March 2022 concluded that capital improvements of approximately \$6.3 million will be required to replace the aging and substandard drainage system.

North Sheridan Road

The study examined the drainage conditions of the 137 acres roughly described as north of Northmoor Road and between Sheridan Road and Knoxville Avenue. Study efforts in 2022 by Dewberry Engineers concluded that capital improvements of approximately \$4.5 million will be required to replace the aging and substandard drainage system.

Ronald Road at Stafford Court

The study examined the drainage conditions of the 71 acres of the western portion of the Rolling Acres subdivision. The intersection of Ronald Road and Stafford Court routinely floods. Study recommendations delivered by the Farnsworth Group in October 2022 concluded that capital improvements of approximately \$100,000 will bring the system up to current city design standards and reduce the frequency of flooding.

Tributary C Outfall at University

The study examined the drainage conditions at the outfall of the 84” diameter pipe on the west side of University between Willow Lane and Kenwick Lane. The upstream drainage area of 448 acres is within the watershed identified as Tributary C of Dry Run Creek. Study efforts of Terra Engineering initiated in 2022 and finalized in early months of 2023 concluded that capital improvements of approximately \$1.9 million will be required to stabilize the channel banks with retaining walls and vegetation.

Springdale Creek Outfall at E Lake Avenue

The study examined the drainage conditions at the outfall of the 36” diameter pipe on the south side of Lake Avenue west of Shady Oak Lane. The upstream drainage area of 198 acres is within the Springdale Creek watershed. Study efforts of Terra Engineering initiated in 2022 and finalized in early months of 2023 concluded that capital improvements of approximately \$650,000 will be required to stabilize the channel banks with retaining walls and vegetation.

GREEN INFRASTRUCTURE

Efforts to improve site conditions on city properties were done at a cost of \$38,476 in 2022. Construction plans have been created to reconstruct the Dries Lane Public Works facility to include pervious pavements, and native planting areas. Construction will be completed in 2023 for an approximate cost of \$1.3 million. Eligible portions of the project costs will be paid with SWU funds.

STREET DRAINAGE IMPROVEMENT

SWU funds were used for five street drainage improvement projects in 2022.

Deerbrook Drive Green Street

Design engineering and production of construction plans continued in 2022 at a cost of \$141,553. The design process will continue in 2023 and a contractor is expected to be retained in the third quarter of 2023.

Glen Avenue - War Memorial to University

Reconstruction of the one mile arterial will begin in 2023. SWU funds are budgeted to pay for storm drainage infrastructure of this project. The 2022 budget year included \$127,805 of SWU funds for this project.

Prospect Road – Knoxville to Belmont

The 2022 budget year included \$305,047 of SWU funds for drainage infrastructure within this roadway project.

Roadway Infrastructure Overlays

The 2022 budget year included \$150,000 of SWU funds for drainage infrastructure reconstruction in conjunction with pavement reconstruction projects at various locations within the city.

Spring Lane & Orchard Lane Roadside Ditch

The 2022 budget year provided \$583,000 of SWU funds for establishing roadside ditches to capture runoff from properties and the street pavement. The 1970 era subdivision was initially constructed with roadside ditches that have filled in over the decades and no longer provide

sufficient drainage capacity. The project installed a combination of inlets, storm sewers and new ditches to capture and transfer runoff to the natural ravines.

STORMWATER INFRASTRUCTURE

Storm Sewer Lining & Repairs

The City awarded a contract for the inspection and cleaning of approximately 70,000 feet of storm sewer and 900 drainage structures in 2022. Engineering services and construction efforts amounted to expenses of \$466,036 in 2022. This effort will be continued in 2023 and successive years with the intention of a 15-year cycle to inspect and clean every pipe in the system.

Stormwater Infrastructure Improvements

A variety of engineering services and construction work was done in 2022 under the project description of Stormwater Infrastructure Improvements. In total, \$853,717 went towards these activities in 2022. The completed projects are:

Project Number	Name	Dollar Amount
O2107	Spring Lane/Orchard Lane Drainage Improvements	\$568,041
O2215	Storm Sewer Improvements and Cleaning	\$285,677
	Total	\$853,717

Drainage Repair Program

This program funds the Annual Drainage Repair Contract (ADRC) which provides for relatively quick repairs to drainage infrastructure. The contract is awarded based on time and material costs for designated bid items. Contracts are eligible for up to two annual extensions. The drainage repair contract provides contractor resources to repair broken stormwater infrastructure that is too big for operations staff or requires special skills or equipment. This contract includes lining. Lining includes inserting a liner into the pipe to repair the existing pipe. Lining is less expensive, faster, and has less impact on the neighborhood and streets than the traditional open trench excavation type of construction. In 2022, the City spent \$1,272,383 at thirty-three different locations throughout the city repairing and reconstructing existing storm sewer infrastructure. An additional \$280,111 was spent on engineering related services.

Appendix G provides a detailed report of the improvements. The three largest repair projects completed in 2022 were:

- Work Order 22-16: \$540,844 – Twin 108” diameter culverts carry Tributary C of Dry Run Creek through the Peoria Public Works property at 3505 N. Dries Lane. A significant sink hole developed at an access manhole above one of the two 108” culverts. The project to repair the problem required construction of a new 36” diameter pipe and smaller connecting pipes, to carry runoff to the receiving stream where the twin 108” culverts released flow into the stream. The project was significant and required urgent action given the risk to city operations.
- Work Order 22-50: \$195,666 – The East Branch of Dry Run Creek passes under McClure Avenue west of the intersection at North Street. The upstream side of the culvert experienced significant erosion that undermined the sidewalk and a protective fence. The work required significant effort to remove trees, fencing, and undergrowth vegetation on the upstream and downstream sides of the culvert. Repairs used a combination of riprap and gabion mattress installation to manage the runoff and prevent

erosion from undermining the sidewalk, street, and adjacent parking lot. New fencing will be installed at the location in 2023.

- Work Order 22-17: \$93,205 – Repairs to the roadside ditches at the intersection of Orchard Road and Derby Road required the construction of curb & gutter and a large amount of riprap to control flow and protect the pavement from erosion.

Stormwater Utility Grant Program

The grant program provides investments into best management practices on private property. Four different grant programs are available to property owners that want to take an active role in managing stormwater by installing new stormwater management systems on their property. The City received and approved applications for two of the four grant programs. During 2022, the City awarded \$137,981.35 of SWU funds as grants for stormwater improvements on private property.

Rain Barrel Grant

Three property owners applied to the Rain Barrel Grant program to purchase 4 rain barrels. The grant is for subsidizing the purchase of up to two rain barrels per property and the property owner commits to using the rain barrels for a minimum of four years.

Grant Year	Number of Properties	Number of Barrels	Dollars Spent
2020	8	11	\$550
2021	9	12	\$600
2022	3	4	\$172
Totals	20	27	\$1,322

Green Infrastructure Grant

Public Works uses a consultant to review the Green Infrastructure Grant applications. The consultant reviewed and approved two grant applications in 2022. One project was completed and reimbursed for a total reimbursement of \$11,730, with the second project postponing until the 2023 grant year. One project installed a rain garden to manage 5,865 square feet of impervious area. The second project will be installing 500 square feet of permeable pavement and bio retention basin to manage 31,345 square feet of impervious area in total. **Appendix H** provides a map of these project locations.

Grant Year	Number of Applicants	Number of Approved	Dollars Spent
2020	10	10	\$6,600
2021	5	5	\$46,967
2022	2	2	\$11,730
Totals	17	17	\$65,297

Private Property Drainage Assistance Grant

The program reimburses small drainage projects on private property that have damage caused by upstream runoff. The maximum grant amount per property was updated from \$7,500 to \$10,000 in 2022. Public Works uses a consultant to run the Private Property Drainage Assistance (PPDA) grant program. Out of the eighteen received PPDA applications, the consultant approved fifteen PPDA applications. The approved projects were reimbursed a total of \$96,915.85. **Appendix H** provides a report of these project locations.

Grant Year	Number of Applicants	Number of Approved	Dollars Spent
------------	----------------------	--------------------	---------------

2018	28	28	\$154,976
2019	30	30	\$167,039
2020	21	19	\$98,725
2021	26	24	\$174,961
2022	18	15	\$96,915
Totals	123	116	\$692,616

Stormwater Infrastructure Investment Grant

Stormwater Infrastructure Grants Investment Grants will fund large and complicated projects such as stream restoration and stabilization. One application was received and was approved for stabilizing the creek bank. This project included work to remove failing railroad ties and install gabion baskets to preserve the creek bank. The approved project was reimbursed a total of \$34,500. **Appendix H** provides a report of these project locations.

Grant Year	Number of Applicants	Number of Approved	Dollars Spent
2019	1	0	\$0
2020	0	0	\$0
2021	0	0	\$0
2022	1	1	\$34,500
Totals	2	1	\$34,500

APPENDIX A - MS4 ANNUAL INSPECTION REPORT



Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2021 To March, 2022

Permit No. ILR40 0424

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: City of Peoria Mailing Address 1: 419 Fulton
Mailing Address 2: _____ County: Peoria
City: Peoria State: IL Zip: 61604 Telephone: 309-494-8800
Contact Person: Andrea Klopfenstein Email Address: aklopfenstein@peoriagov.org
(Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

City of Peoria

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- | | | | |
|--|-------------------------------------|---|-------------------------------------|
| 1. Public Education and Outreach | <input checked="" type="checkbox"/> | 4. Construction Site Runoff Control | <input checked="" type="checkbox"/> |
| 2. Public Participation/Involvement | <input checked="" type="checkbox"/> | 5. Post-Construction Runoff Control | <input checked="" type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input checked="" type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input checked="" type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Andrea Klopfenstein
Owner Signature:

05/26/2022
Date:

Andrea Klopfenstein, PE

City Engineer

Printed Name:

Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

Attachments to Annual Facility Inspection Report
General NPDES Permit for Discharges
from Small Municipal Separate Storm Sewer Systems (MS4)
City of Peoria, IL
YEAR 1– MARCH 1, 2021 – FEBRUARY 28, 2022
For Permit #ILR40-0424

Best Management Practices are derived from the Notice Intent for the March 1, 2016 - February 28, 2021, permit.

Attachment A. Changes to Best Management Practices

1. Public Education and Outreach
 - Due to COVID the public events that the City normally attends to host a booth and provide public education and outreach were cancelled.
 - See attachment B.
2. Public Participation/Involvement
 - Due to COVID in person public meetings and events were cancelled.
 - See attachment B.
3. Illicit Discharge Detection & Elimination
 - See attachment B.
4. Construction Site Runoff Control
 - See attachment B.
5. Post-Construction Runoff Control
 - See attachment B.
6. Pollution Prevention/Good Housekeeping
 - Due to COVID the APWA conference where staff training normally occurs was held virtually.
 - See attachment B.

Attachment B. Status of Compliance with Permit Conditions

The City of Peoria has complied with applicable conditions of its NPDES Phase II Permit for the MS4 system during this reporting period except as noted.

Assessment of Appropriateness of Identified BMP's

At this date, it is the opinion of City staff that the City of Peoria NOI includes Best Management Practices that are effective and appropriate for minimizing stormwater pollution.

Progress Towards a Reduction in Pollutants Discharged

Based on the achievement of measurable goals, it is the opinion of City staff that satisfactory progress has been made towards the goal of reducing the discharge of pollutants to the maximum extent practicable.

Progress Towards Achievement of Measurable Goals Identified for Permit Year

The status of progress towards achieving identified measurable goals for each of the minimum control measures is presented below.

BMP A. Public Education and Outreach

A.1 Distribute Paper Material

- The City distributed a handout titled “Rain Gardens”. The handout was available at the public works office and community events, where they were distributed, and an unknown number downloaded online.
- The City distributed a packet titled “Our Water, Our Way” which includes information on stormwater, combined sewer overflow (CSO) issues, green infrastructure, and pollution reduction. Included in the packets are the “Watershed Moments” which is a CSO timeline, “Investing in Smart Wet Weather Solutions” which contains information on a possible stormwater utility, “Co-Benefits of Green Infrastructure” which describes the additional benefits of green infrastructure, “Path to Stormwater” which describes the path runoff takes to the river, “What is Stormwater Infrastructure?” which describes different components of a storm water system, “Protecting Peoria from Pollution” which describes what individuals can do to help prevent pollution, “Where does it go when it Overflows?” which explains what a CSO system is and finally “Nature’s Water Filter, The Rain Garden” which describes what rain gardens are and how they function. Packets were distributed at meetings and an unknown number downloaded.
- The Credit and Grant manual which describes the stormwater utility Credits and Grants available and includes some basic stormwater education were distributed and an unknown number downloaded.
- The City notified developers of NPDES requirements for approximately 25 potential projects, with permits issued for 18 of those projects. Copies of written notification are on file. Information is distributed when projects request information for an erosion control permit.

A.6 Other Public Education (also labeled as A4.2)

- Public Presentations were cancelled due to COVID

- “Party for The Planet” event normally held at the Peoria Zoo was cancelled due to COVID
- “Clean Water Celebration” normally held at the Peoria Civic Center was cancelled due to COVID
- Peoria Public Works Open house was cancelled due to COVID.
- The city maintains the PeoriaStormwater.com website which has educational materials on stormwater related topics.

A. Additional BMP completed

- The City’s Mayor’s Youth Program performed maintenance of some stormwater planters, and placing mulch, they also participated in neighborhood cleanups (litter pickup). There were approximately 12 student workers at the start of the program. The program was shortened and there were less students due to COVID.
- Peoria Corps is a program intended for disadvantaged persons and is a group of 7-10 people for each cohort. Two (2) cohorts were trained in 2021. The PeoriaCorps members were taught job training for maintenance of green infrastructure and maintained the public works rain garden and the Washington Street planter boxes

BMP B. Public Participation/Involvement

B.3 Stakeholder Meeting

- Public Presentations were cancelled due to COVID

B.3.2 Environmental Justice

- Public Presentations were cancelled due to COVID. We did not complete the meeting within this permit year. We intend to complete it in the next few years and hope to tie it into a meeting with the Combined Sewer Overflow. We have identified the environmental justice areas using the Environmental Protection Agency’s EJSCREEN tool. The environmental justice areas in Peoria’s MS4 area are generally west of Dry Run Creek and up to War Memorial Drive to the north, as well as in the City’s CSO area.

B.7 Other Public Involvement

- The City continues to sponsor and fund a private property drainage program to address erosion and flooding on private property. Twenty-four (24) private property owners were approved to use this program during the reporting period.

- The City continued funding the rain barrel grant program. The grant funds \$50 per 55 gallon or larger rain barrels up to two per property. During the reporting period, 12 rain barrels were funded with this program.
- The City continued funding the Green Infrastructure grant program in January 2019. Five projects were approved during the reporting period.
- The City funded Great American Clean Up, was held April 24, 2021.
- The City supports the Mayor's litter Commission which is a litter pickup group with approximately 100 people participating.
- According to PubWorks, 314 calls were logged in the reporting period related to drainage or stormwater utility issues.

B Additional BMP completed

- Continued to use inlet grates with language "Dump no waste. Drains to River". Stamped grates are installed in new subdivisions and inlets that are replaced.

BMP C. Illicit Discharge Detection & Elimination

C.1 Sewer Map Preparation Develop

- The City continues to work on developing a GIS map of the storm water system. Some additional GIS map elements were mapped in the reporting period. To date, the project mapped 153.5 miles of storm sewer across 36.15 square miles of the City. See Exhibit 1.
- Stormwater outfall AutoCAD map completed in 2007, map on file.

C.2 Regulatory Control Program

- The City continued enforcing existing illicit discharge ordinances. We are currently working with other departments to identify additional policies, procedures and ordinance changes that may be necessary for Public Works staff to enforce city ordinances. This is an ongoing process. If ordinance changes are required, they would require City Council approval which could extend our expected timeline. The City recognizes that enforcement of the stormwater ordinances needs to be strengthened. This is a major change for the city that will require possible ordinance changes, procedural changes, and staff from multiple departments to support it.

C.4 Illicit Discharge Tracing Procedures

- The City continues to use PubWorks software to aid in tracking complaints at the City. Complaints and evaluations are recorded and maintained on file. There were no illicit discharges reported to Public Work during the reporting period.

C.7 Perform dry weather screening outfall inspections

- Outfalls were screened as part of the GIS mapping project. Screening of outfalls helps to identify illicit discharges. To date, 464 outfalls have been mapped.
- City operation staff continued inlet inspections and performed routine maintenance and repair.

C.9 Public Notification

- The City created and distributed a packet titled “Our Water, Our Way” which includes information on stormwater, combined sewer overflow (CSO) issues, green infrastructure, and pollution reduction. Included in the packets are the “Watershed Moments” which is a CSO timeline, “Investing in Smart Wet Weather Solutions” which contains information on a possible stormwater utility, “Co-Benefits of Green Infrastructure” which describes the additional benefits of green infrastructure, “Path to Stormwater” which describes the path runoff takes to the river, “What is Stormwater Infrastructure?” which describes different components of a storm water system, “Protecting Peoria from Pollution” which describes what individuals can do to help prevent pollution, “Where does it go when it Overflows?” which explains what a CSO system is and finally “Nature’s Water Filter, The Rain Garden” which describes what rain gardens and how they function. Packets were distributed and an unknown number downloaded.
- The city maintains the PeoriaStormwater.com website, Learn the Issues section/Pollution Overview, which has educational materials on stormwater related topics.

C.10 Other Illicit Discharge Controls

- The City continues to use PubWorks software to aid in tracking complaints at the City. Complaints and evaluations are recorded. Record on file. Complaints such as illicit discharges and illegal dumping are recorded and addressed.

BMP D. Construction Site Runoff Control

D.1 Regulatory Control Program

- The City uses a consultant to review projects during construction on a complaint basis to enforce the erosion and stormwater control ordinance that is on file. Two complaints were received in 2021 and both were quickly resolved.

D4. Site Plan Review Procedure

- By Ordinance, the City required Erosion and Sediment Control Permits for projects meeting the guidelines. The City continued to review site plans for compliance with City ordinance requirements. Twenty-Five (25) site plans were reviewed in 2021.
- The city hosts a virtual weekly meeting between staff, consultants, developers and property owners to discuss stormwater requirements and programs titled, "One Stop Shop".

D.5 Public Information Handling Procedures

- PubWorks software is used to track complaints at the City. Complaints and evaluations are recorded. Record on file. The public can call in, email or use the Peoria Cares App to document a complaint. Two complaints were received in 2021 (the same two as in D.1).

BMP E. Post-Construction Runoff Control

E.2 Regulatory Control Program

- The City continued enforcing the erosion and stormwater control ordinance that is on file. Currently the City is only reviewing enforcements by complaint.

E.6 Post construction Inspections

- Due to staff reductions, post construction BMP inspection are performed by complaint only. City staff or a consultant are used to investigate complaints on private construction projects. City staff and/or consultants investigate complaints on City projects.

E.7 Other Post Construction Runoff Controls

- The City is looking at ways of incorporating green infrastructure on as many projects as feasible to address stormwater volume, velocity and water pollution.
- The 2021 APWA conference at the Peoria Civic Center was held virtually due to COVID.

E7.1 Develop and implement policies to minimize the volume of runoff and pollutants

- The City adopted the volume control ordinance in 2016 effective January 1, 2017. The volume control ordinance requires that projects that disturb over 5,000 sf provide volume control practices to control the first inch of runoff from the impervious area of development on the site.

E7.2 Develop and implement a process to assess the water quality impacts in the design of all new and existing flood management projects

- In 2018 the City hired a consultant to prepare a water quality monitoring plan. The consultant took the first set of quarterly samples on February 6, 2019. The 2019-2021 data is posted on our website and attached as Exhibit 2. The city is working on establishing TMDL monitoring. Two locations will be monitored and sampled starting in 2022. Equipment includes samplers, flow meters and enclosures totaling approximately \$28,000. Two additional rain gauges have been added to the rainfall monitoring network: one at Public Works on Dries Lane and the other at Mt. Hawley Airport west of Knoxville Avenue.

BMP F. Pollution Prevention/Good Housekeeping

F.1 Employee Training Program

- The 2021 ICAT conference was cancelled due to COVID.
- The 2021 APWA conference at the Peoria Civic Center was held virtually, due to COVID.
- Training specifically for contractors was not completed by the City of Peoria.

F1.1 Develop and provide annual employee training

- Additional training material and topics will be covered in future years. The City assisted the American Public Works Association (APWA) local chapter conference committee helping to line up speakers on stormwater issues for the May 5-6, 2021, conference

F.2 Inspection and Maintenance Program

- City streets were swept 9 times, removing 2,700 tons of debris and 211,269 feet of storm sewer was inspected and rated.
- Other storm water related maintenance activities are summarized in Exhibit 3.

F.3 Municipal Operations Storm Water Control

- The City will review policies and procedures to minimize the discharge of pollutants from municipal properties, infrastructure and operations in the future.

F.6 Other Municipal Operations Controls

- The City will continue to store deicing materials in permanent or temporary structures or under tarps and as far from storm drains as possible.

Attachment C. Results of Information Collected and Analyzed, Including Monitoring Data

- In 2018 the City hired a consultant to prepare a water quality monitoring plan. The consultant took the quarterly samples in 2020. The 2020 sampling report is available on the peoriastormwater.com website. The city is working on setting up TMDL sampling in the future. See attached water quality report, as Exhibit 2.
- We have installed green infrastructure BMPs for the Adams St Pilot project and will have monitors in place. We also have been creating maps of green infrastructure BMPs.
- Please note that the City Fire Department has jurisdiction over and documentation responsibility for hazardous material spills.
- See section C4 for the illicit discharges that were reported and investigated.

Attachment D. Summary of Stormwater Activities Planned by the City of Peoria During the Next Reporting Cycle March 1, 2022 – February 28, 2023

BMP A. Public Education and Outreach

- Continue program.
- Distribute stormwater educational materials.
- Hold one presentation.

BMP B. Public Participation/Involvement

- Continue program.
- Hold a stakeholder meeting in an environmental justice area.
- Schedule a public meeting to provide the public an opportunity to provide input into adequacy of the city's MS4 program.
- Support Great American Cleanup

BMP C. Illicit Discharge Detection & Elimination

- Continue program.
- Develop prioritization plan for dry weather screening.
- Continue GIS mapping of storm sewer system.

- Review current illicit discharge ordinances and update where needed.
- Distribute public education materials.

BMP D. Construction Site Runoff Control

- Continue program.
- Continue reviewing projects and issuing Erosion and Sediment Control Permits
- Review current erosion and sediment control ordinances.
- Document on-site inspection protocols.

BMP E. Post-Construction Runoff Control

- Continue program.
- Develop a process to assess the water quality impacts in the design of all new and existing flood management projects.
- Develop a plan to inspect and inventory public and private BMPs.

BMP F. Pollution Prevention/Good Housekeeping

- Continue program.
- Update policies and procedures to minimize the discharge of pollutants from municipal properties, infrastructure and operations.
- Develop additional training materials for operations staff and implement training.
- Prepare a city-wide Pollution Prevention & Good Housekeeping plan to guide these efforts.

Results of Information of Collected and Analyzed, Including Monitoring Data

- In 2018 the City hired a consultant to prepare a water quality monitoring plan. The consultant took the first set of quarterly samples on February 6, 2019, and continued sampling through 2020. The 2021 sampling report will be available on the peoriastormwater.com website. The city is working on setting up TMDL sampling in the future.

Attachment E. Notice of Reliance on Another Government Entity

The City of Peoria is not relying on another government entity to formally satisfy permit obligations.

Attachment F. Construction Projects Funded by the City of Peoria and covered by General Permit ILR400424:

Community Investment Plan (CIP) Construction Projects (many projects were delayed due to COVID):

- Merle & Knoxville Culvert- design only during this permit cycle
- Glen Ave - War Memorial Drive to University Street- design only during this permit cycle
- Rock Island Greenway Trail
- Western Avenue Reconstruction

- Annual Storm Sewer (Drainage) Repair Projects List (sites less than 1 ac each)

Project List

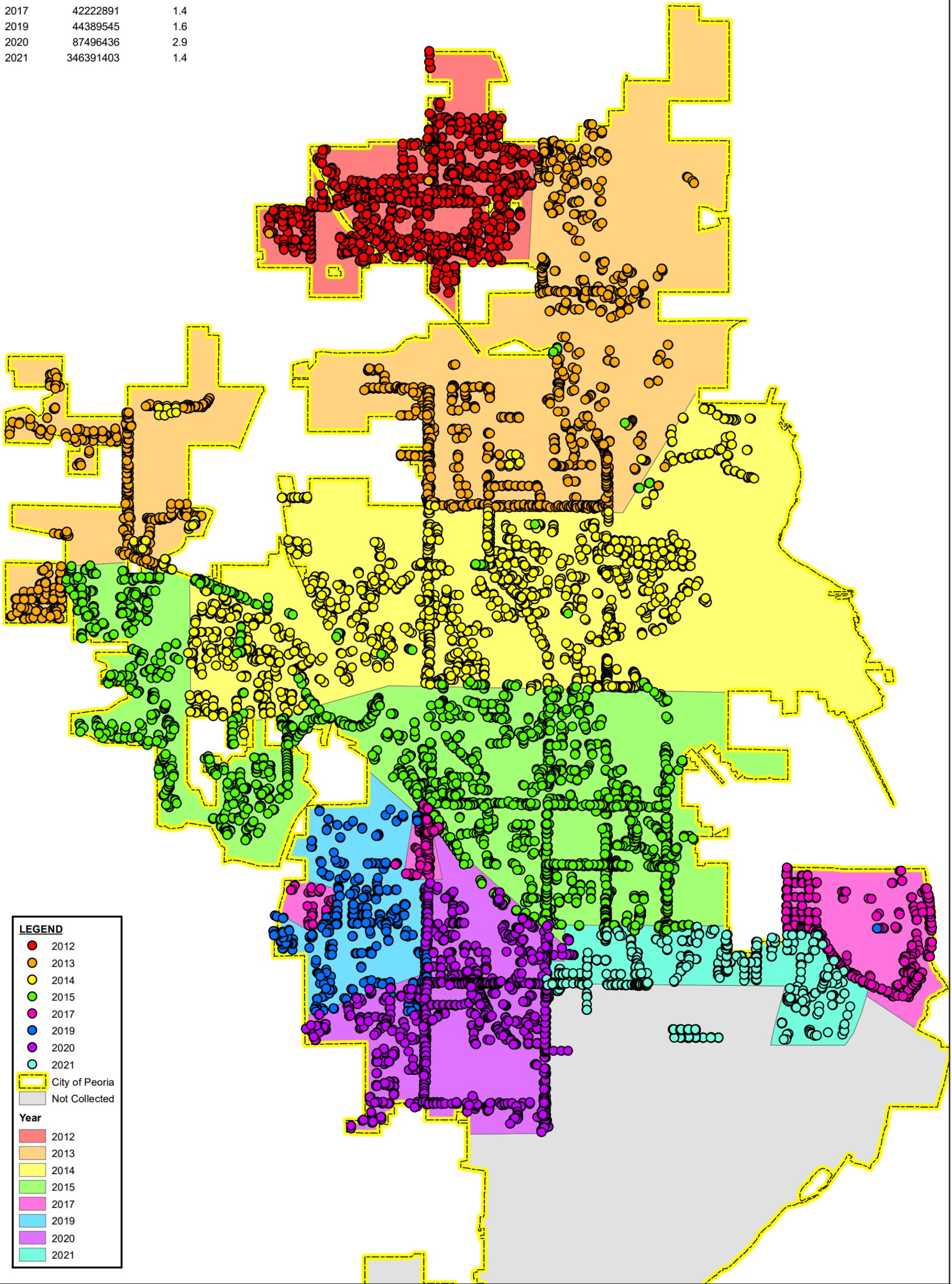
924 Bridgetown Court
1614 E. Lake Street
5118 N. Sherbrook Lane
408 W. Westwood Drive
3716 Verner Drive
412 Collingwood Circle
6601 N. Post Oak Road
225 Detweiler Drive
4918 N. Sherwood Avenue
3809 Woodtrail Court
3357 W. Lexington
9169 N. Picture Ridge Road
W. Albany Avenue and Stanley
N. Isabelle Avenue
1021 Nebraska Avenue
616 Brook Forest Drive
2914 W. Brookside Drive
11321 N. Hickory Woods Court
2800 Montana Street
412 W. Birchwood Avenue
3330 Overbrook Drive
2601 N. Kingston Drive
2814 Overbrook Court
3033 Ward Cliffe Drive
2622 Woodhaven Drive
3216 Isabell and Hudson
3425 Villa Ridge
3428 Dorchester Ridge
3420 Baskin Ridge
Hawthorne Place and North Street
Hawthorne Place and North Street (liner)
435 Detweiler Avenue
3216 Isabelle and Hudson

- Private Property Program List - 24 projects approved (sites less than 1 ac each)

Address Name
2311 W. Chandler Court
2325 W. Chandler Court
2327 W. Chandler Court
2331 W. Chandler Court
2409 W. Chandler Court
2411 Chandler Court
2417 Chandler Court
2419 Chandler Court
11200 N. Daniel Street
5925 N. Elm Lane
2038 W. Geneva Road
2129 W. Geneva Road
2135 W. Geneva Road
2145 N. Hampton Court
5003 W. Newcastle Drive
5003 W. Newcastle Drive
501 W. Red Oak Court
5916 W. Ridgecrest Court
1859 W. Teton Drive
608 W. Thousand Oaks Drive
6914 N. Upper Skyline Drive
4820 N. Westbrook Drive
Westporte Apartments
416 W. Wolf Road

Prepared by:
Engineering Division
Public Works Department
City of Peoria
3505 N. Dries Lane
Peoria, IL 61604
May 2022

Year	Shape_Area	SquareMile
	346391403	11.6
2012	58943743	2.7
2013	258678026	9.3
2014	261649178	9.4
2015	209715727	7.3
2017	42222891	1.4
2019	44389545	1.6
2020	87496436	2.9
2021	346391403	1.4



LEGEND

- 2012
- 2013
- 2014
- 2015
- 2017
- 2019
- 2020
- 2021

City of Peoria
 Not Collected

Year

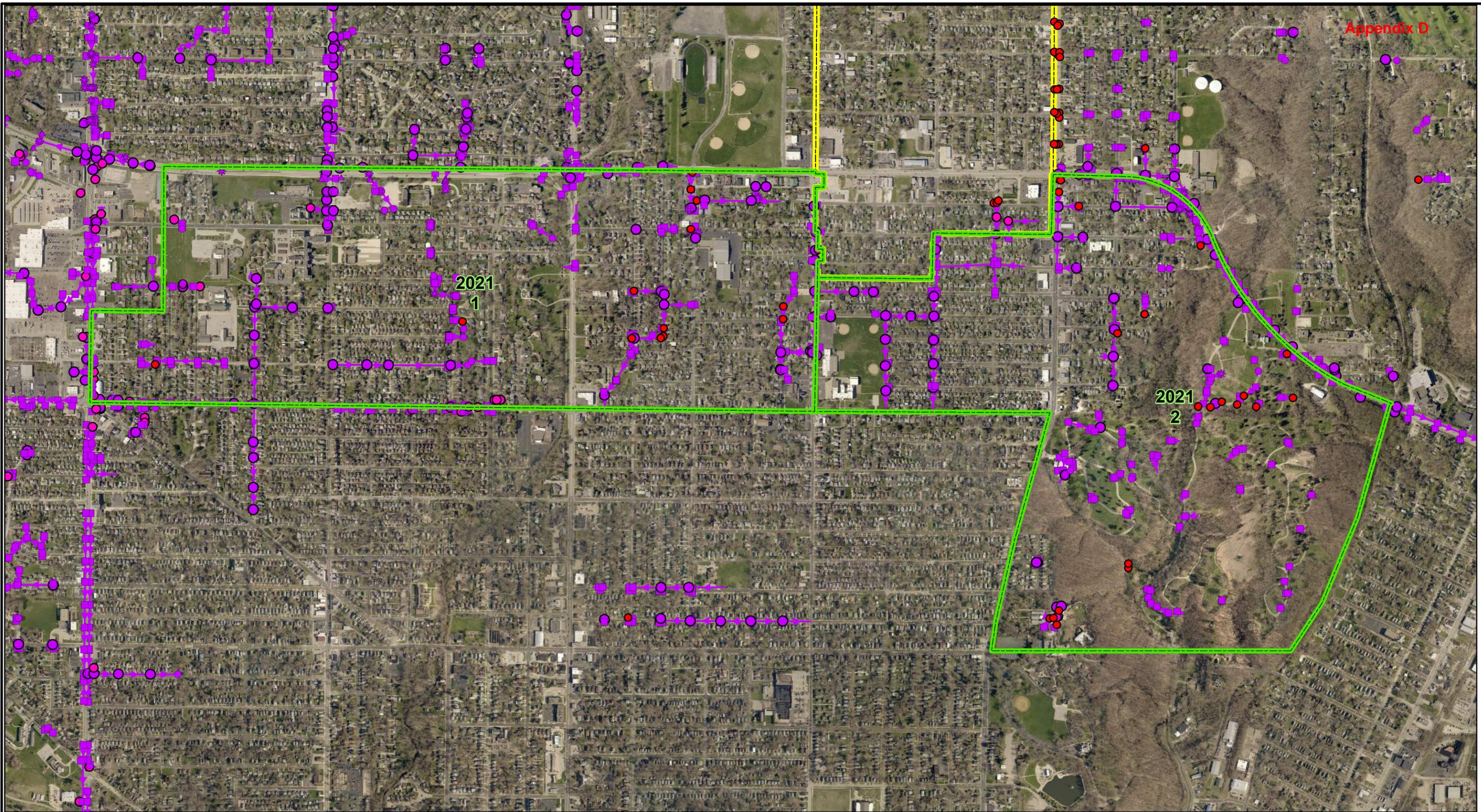
- 2012
- 2013
- 2014
- 2015
- 2017
- 2019
- 2020
- 2021

NOTES:
 1. Coordinate System - NAD 1983 State Plane Illinois West - Feet

This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.

0 2,000 4,000 Feet

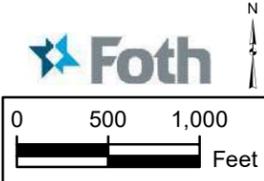
CITY OF PEORIA		
FIGURE 1		
Collection Area by Year Peoria, Illinois		
Date: MAY 2022	Revision Date:	
Drawn By: DAT	Checked By: JCG1	Project: 21P007



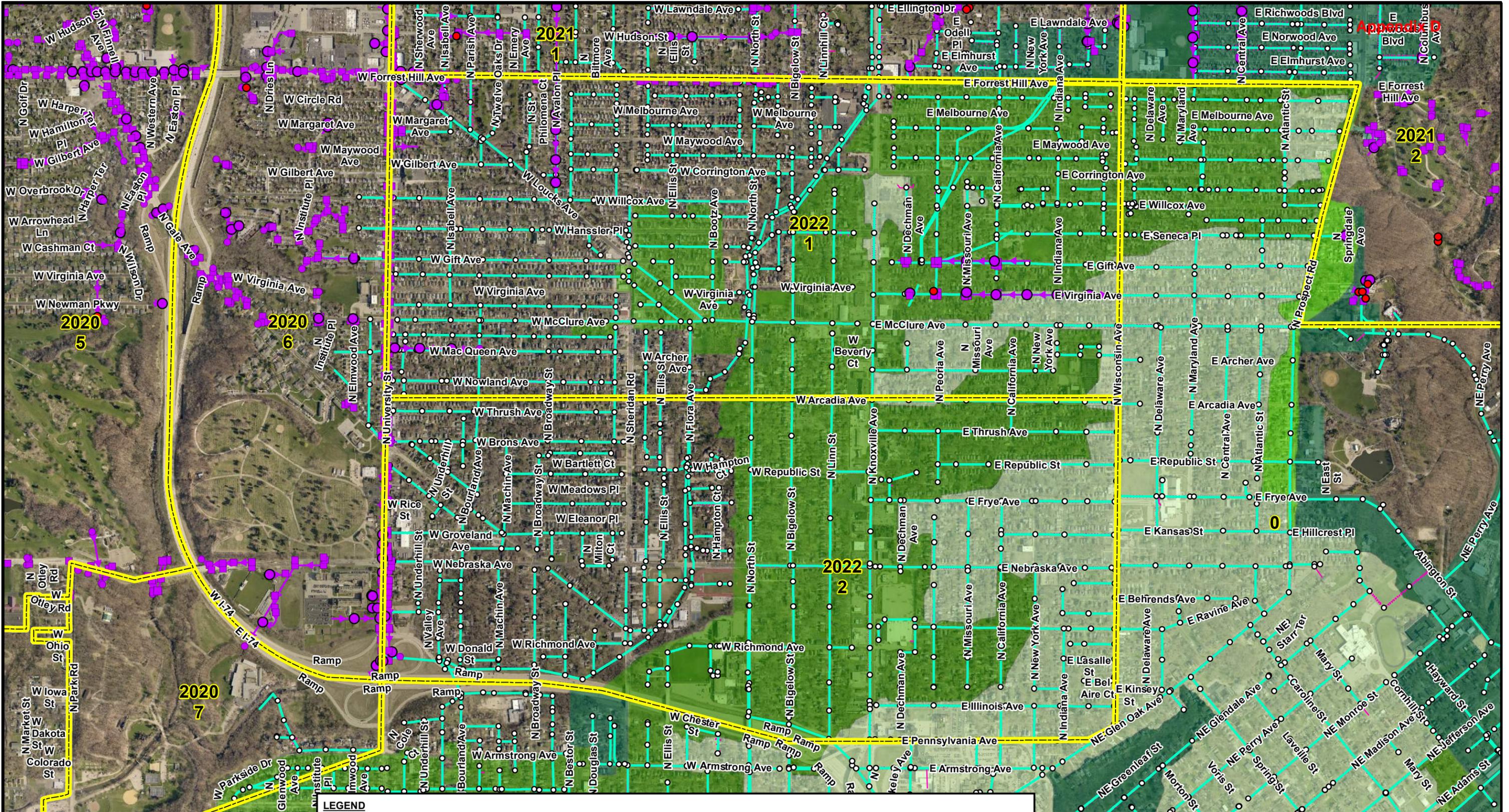
NOTES:
 1. Coordinate System - NAD 1983 State Plane Illinois West - Feet

This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.

LEGEND			
	PeoriaCollectionSequence		Drain
	<all other values>		End Section Flared; Headwall
	Missing		Standard Inlet
	Culvert - Pipe		Manhole
	Culvert - Box		Manhole Grate
	Storm Sewer		City of Peoria



CITY OF PEORIA		
FIGURE 1		
2021 Collection Area Peoria, Illinois		
Date: MAY 2022	Revision Date:	
Drawn By: DAT	Checked By: JCG1	Project: 21P007



NOTES:
 1. Coordinate System - NAD 1983 State Plane
 Illinois West - Feet

This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.

LEGEND		Stormwater Drainage Area		City of Peoria	
● Missing	○ GPSD_Manholes	■ Combined Direct	--- City of Peoria	--- City of Peoria	--- City of Peoria
● Culvert - Pipe	○ Area_4_Structure_Information	■ Combined Through Storm Sewers	--- Collection Sequence	--- Collection Sequence	--- Collection Sequence
■ Culvert - Box	● Area_4_Pipe_Information	■ Partially Separate			
▲ End Section Flared; Headwall	— GPSD_Mains	■ Separate			
■ Standard Inlet	— GPSD_Laterals				
● Manhole					
● Manhole Grate					
— Storm Sewer					

Foth

0 500 1,000 Feet

CITY OF PEORIA		
FIGURE 1		
2022 Area 1 and 2 Proposed Collection Area Peoria, Illinois		
Date: MARCH 2022	Revision Date:	
Drawn By: DAT	Checked By: JCG1	Project: 20P007



2314 West Altorfer Drive
Peoria, IL 61615
(309) 691-5300
foth.com

February 10, 2022

Ms. Andrea Klopenstein, P.E.
Assistant Director, Storm Water Engineer
City of Peoria Public Works Department
3505 N. Dries Lane
Peoria, IL 61604

RE: Review of Storm Water Samples Collected for the Separate Storm Sewer System
(MS4) Permit for the calendar year 2021.

Dear Ms. Klopenstein:

The following is a summary report for storm water samples collected in 2021 from sample points P1 through P4. Included in this summary report are:

- ◆ Goals of the MS4 Permit, Sample Point Location and Descriptions
- ◆ Summary of Procedures Utilized to Collect Storm Water Samples
- ◆ Analytical Data Summary Including Trends and Potential Areas of Concern
- ◆ Figure showing Sample Point Locations
- ◆ Laboratory Analytical Data

Goals of the MS4 Permit, Sample Point Location and Descriptions

Four sample locations (P1 through P4) were selected to meet requirements of the MS4 Permit and determine whether surface water quality is improving, remaining stable, or decreasing. The sample point locations are located outside of the known Combined Sewer System (CSO) system and should be storm water flowing within the City of Peoria boundaries. Sampling point 1 is located the farthest to the north and encompasses a mix of residential, industrial, and commercial properties. Sampling point 2 covers the northwest and some of the middle parts of the city with a mix of residential, commercial, and industrial properties. Sampling point 3 is a mix of residential and commercial properties, and sample point 4 encompasses the eastern portions of the city and is predominately residential. The four sample point locations are shown on attached Figure 1.

Summary of Procedures Utilized to Collect Storm Water Samples

Per General NPDES Permit ILR40, storm water samples must be collected within 48 hours of a precipitation event greater than or equal to one quarter inch of precipitation in a 24-hour period. Only one storm water grab sample per location is required to be collected per quarter. If there is insufficient precipitation during a quarter, storm water samples would not be collected. Storm water samples were collected every quarter in 2021.

Analytical Data Summary Including Trends and Potential Areas of Concern

Storm water samples were grab samples and were collected directly from the stream. Flow rate is not factored in sample collection as flow monitoring devices are not installed at the sampling point. Field observation sheets noting precipitation amount, weather conditions, sample appearance, etc. were completed at each sampling point every quarter, and are attached in Attachment 1. There were no observed factors that appeared to bias sample results. Some of those factors (if present) could be sheens, discoloration, smell, animal carcass/feces, etc. The parameters analyzed are required under General NPDES Permit ILR40 Part V.(A)(2)(c) and are shown in the attached Tables 1 through 4 (2021 laboratory results) and graphically on Figures 2 through 8 (all data). We now have three years of background data to analyze and can start to make some general assumptions and potential trends regarding concentration levels. A graph was not generated for the parameter grease and oil since all grease and oil concentrations in 2021 were reported as non-detected below the laboratory reporting limit (RL). Since the inception of storm water sampling in 2019, the grease and oil concentration has only been detected once above the RL at a concentration of 5.9 mg/L just above the RL of 5.1 mg/L.

As shown on Figure 2, the highest chloride concentration reported at all four sample locations is occurring during the 1st quarter event (except for the 2nd quarter event in 2019) and then decreases each subsequent quarter. A plausible explanation for this trend could be related to the seasonal effect of snowfall and the runoff of "salt" placed on local roads, residential driveways, and sidewalks as a deicer. A check of historical snowfall amounts showed on April 14, 2019, the Peoria area received 5.0 inches of snow. The second quarter 2019 stormwater sample was collected on April 29, 2019, which could explain the high chloride concentration for the 2nd quarter 2019 event.

A total suspended solid (TSS) is a waterborne particle that exceeds 2 microns in size, micron thickness is 0.001mm. A particle smaller than 2 microns is considered a total dissolved solid (TDS). TSS can be anything that floats or is suspended in water and can affect water clarity. Common suspended solids are bacteria, and sediments, such as clay, gravel, sand, and silt. Common causes of TSS in water are erosion and runoff from rainfall or snow melting. Excluding the 2nd quarter 2019 event, TSS concentrations have been consistent with an occasional spike in concentrations mostly occurring at Sampling Point 2. The EPA secondary drinking water standard for a TDS concentration is 500 ppm which is considerably higher than the TSS concentrations currently being reported at Sampling Points 1-4.

The majority of total nitrogen (Figure 4), phosphorous (Figure 5), and TKN ammonia (Figure 6) concentrations reported at all four sampling points are below the RL with an occasional concentration reported above the RL. The nitrate concentration (Figure 7) is being detected at all four sample locations, but at concentration levels considerably below the Class I Groundwater Quality Standard (Potable Resource Groundwater) of 10 mg/L. The concentrations detected above the RL could be related to runoff from the application of fertilizers, herbicides and insecticides at residences and businesses. Typical application of these chemicals usually take place in the 2nd and 4th quarters (spring and fall) which corresponds when most of the higher concentrations for these parameters are reported.

The fecal coliform concentrations in 2021 for each quarter were consistent across all four sampling points. There does not appear to be a disparity in fecal coliform concentrations between the sampling locations. For the last three years the trend has been when the fecal coliform concentration is high, they are high across all four sample locations, likewise when fecal concentrations are lower, they are low across all four sample locations. There does appear to be a trend that the higher fecal coliform concentrations are occurring during the 3rd and 4th quarter sampling events and this trend continued in 2021. The first two quarters of 2021, the fecal coliform concentration ranged between 162 and 488 CFU/100 ml while the third and fourth quarter concentrations ranged from 1410 to >2420 CFU/100 ml. The average fecal coliform concentration across all four sample locations for the 1st and 2nd quarters of 2021 were the lowest for the three years samples have been collected at these locations. In the graphical trend analysis (Figure 8) concentration levels reported at >2420 are shown at a concentration level of 2420 CFU/100 ml. There does not appear to be a clear trend for the fecal coliform concentrations in relation to location, precipitation amount, visible turbidity, or flow. Currently the only trend appears to be higher fecal coliform concentrations are reported during the 3rd and 4th quarter events.

There are options that can be explored to further investigate the fecal coliform and the other parameter concentrations.

- ◆ Increase the number of sample locations and consider timed collection of storms, such as the TMDL study commencing in 2022.
- ◆ Collect samples during non-rain events to establish a normal flow background concentration (not effected by precipitation) for all parameters.
- ◆ At a minimum, collect monthly fecal coliform samples from June to December to try and determine when the increased concentrations occur and compare the sample concentrations between sample locations.
- ◆ Record snowfall total and amount of salt or other deicer products the City/County applied to roads during the month, analyzing whether corresponds with increased chloride concentrations in water samples.
- ◆ Track monthly precipitation amounts with date samples were collected looking for indications of runoff from erosion or application of landscaping chemicals.
- ◆ To explore further whether precipitation amounts are affecting the TSS concentration, a sample could be collected across the storm event not just once per storm event.

A baseline is being established for each individual parameter concentration. However, there are only three years of data (twelve sample events) collected so far. Even with the limited data collected, some general assumptions can be made.

1. The detections of concentrations of chloride, nitrogen, phosphorous, TKN ammonia and nitrate could be related to either deicing chemicals applied after snowfall or runoff from the application of landscaping chemicals.

2. Early indications are it appears precipitation amounts are not affecting the TSS concentration. However, this should be explored further.
3. There is not a disparity between fecal coliform concentration and the four sample point locations. The fecal coliform concentration is consistent across all four sample locations with higher concentrations being reported for the 3rd and 4th quarter sampling events.

Additional data collected will assist in building a better baseline data set and help to determine if the periodic or seasonal spikes in concentrations could be related to the effects of road deicing after a snowfall event or runoff related to the application of landscape chemicals. Baseline data can then be used to determine whether water quality is improving, remaining stable, or decreasing.

Sincerely,

Foth Infrastructure & Environment, LLC



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Lead Environmental Engineer
Licensed in IL, IA, AR, GA



Mark A. Williams
Lead Environmental Scientist

Enclosures:

- Figure 1: Map of Sample Point Locations
- Figure 2: Total Chloride Concentration Graph
- Figure 3: Total Suspended Solids Concentration Graph
- Figure 4: Total Nitrogen Concentration Graph
- Figure 5: Total Phosphorous Concentration Graph
- Figure 6: Total TKN Ammonia Concentration Graph
- Figure 7: Total Nitrate Concentration Graph
- Figure 8: Total Fecal Coliform Concentration Graph
- Table 1 – Sampling Point 1 Laboratory Analytical Results
- Table 2 – Sampling Point 2 Laboratory Analytical Results
- Table 3 – Sampling Point 3 Laboratory Analytical Results
- Table 4 – Sampling Point 4 Laboratory Analytical Results
- Attachment 1 – Field Observation Sheets

Figures

Streams in the CSO Area

Centerlines	Combined Through StormSewers
Creeks & Streams	Partially Separate
Creeks & Streams	Separate
City Boundaries	Zoning
City Boundaries	Commercial
CSO Area	Industrial
Combined Direct	Residential
	★ Sample Points

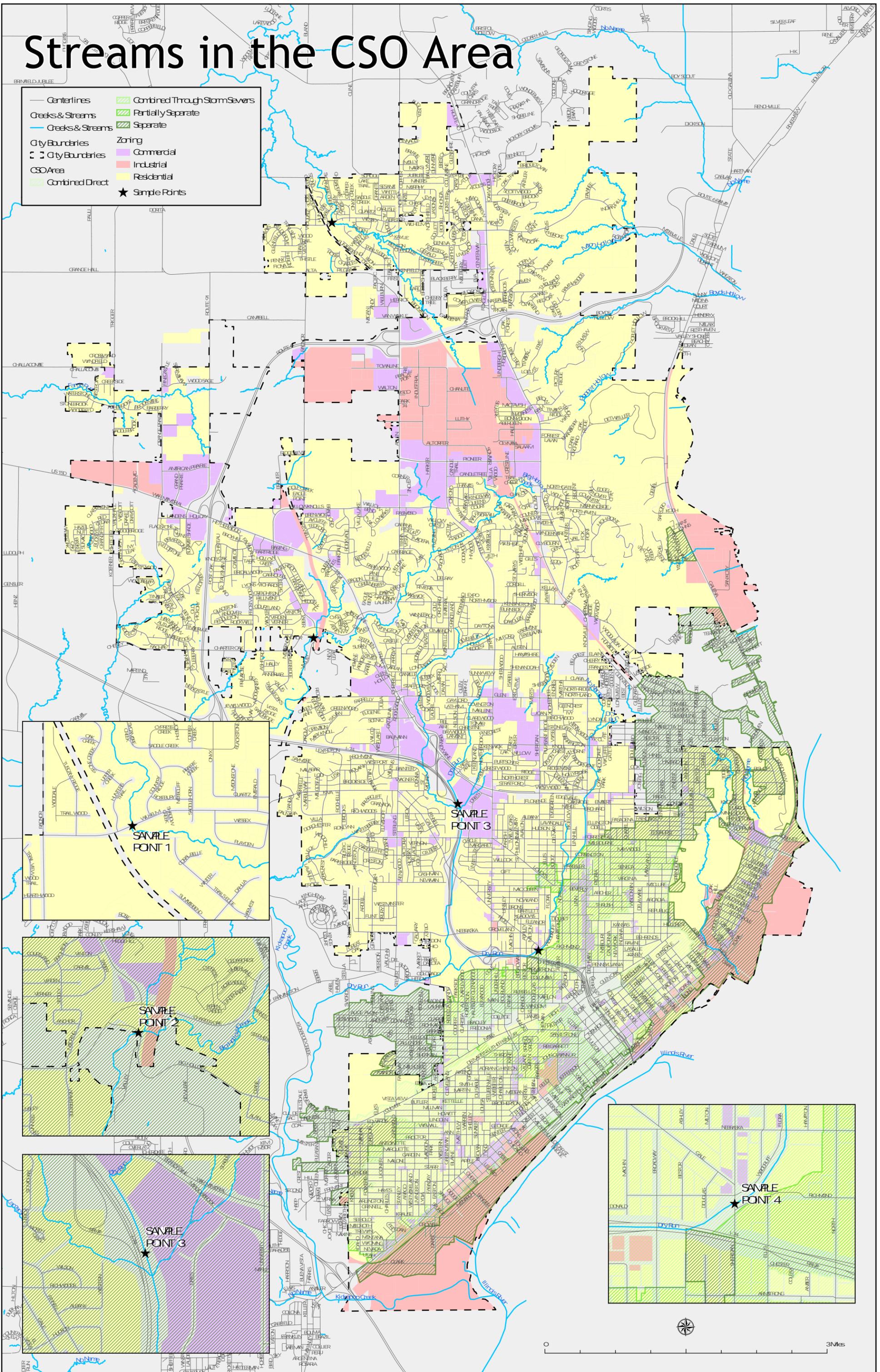
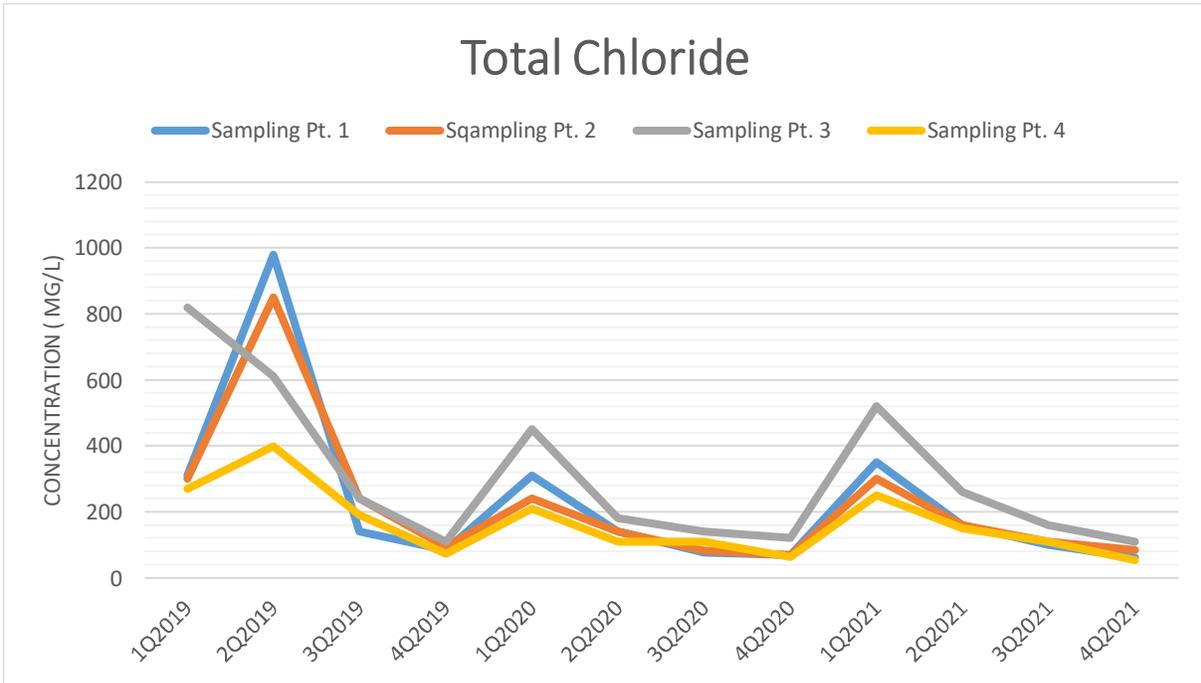
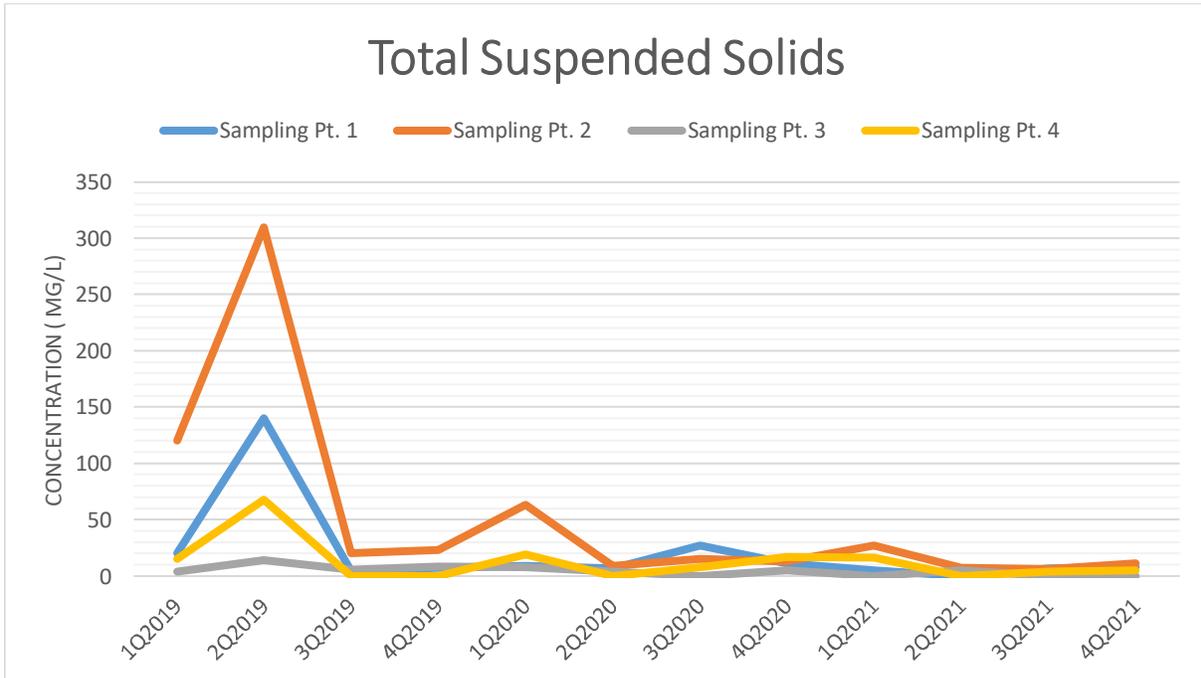


Figure 2
Total Chloride
1Q2019-4Q2021



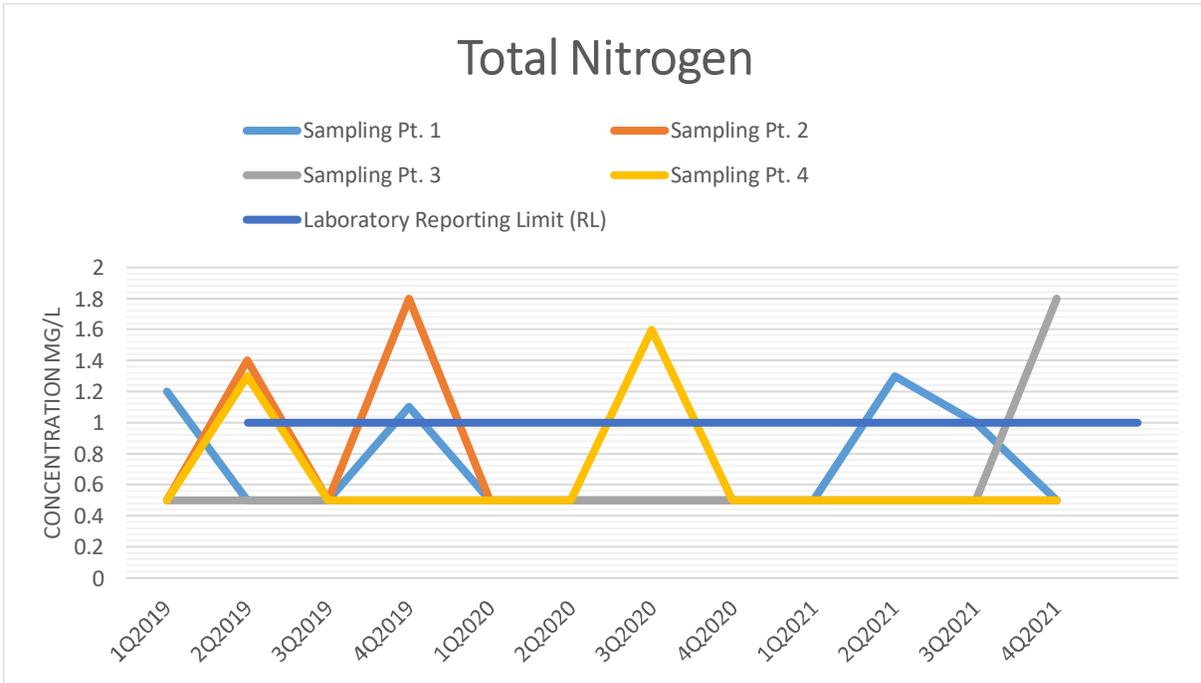
Chloride	Pt 1	Pt 2	Pt 3	Pt 4
1Q2019	310	300	820	270
2Q2019	980	850	610	400
3Q2019	140	240	240	190
4Q2019	85	94	110	72
1Q2020	310	240	450	210
2Q2020	140	140	180	110
3Q2020	77	82	140	110
4Q2020	69	69	120	64
1Q2021	350	300	520	250
2Q2021	160	160	260	150
3Q2021	100	110	160	110
4Q2021	62	84	110	55

Figure 3
Total Suspended Solids (TSS)
1Q2019-4Q2021



TSS	Pt 1	Pt 2	Pt 3	Pt 4
1Q2019	20	120	4	15
2Q2019	140	310	14	68
3Q2019	4.4	20	5.6	<4
4Q2019	7.2	23	8.4	<4
1Q2020	8.8	63	8	19
2Q2020	6.4	8.8	4	<4.0
3Q2020	27	15	<4.0	8
4Q2020	11	13	4.8	17
1Q2021	4.8	27	<4.0	16
2Q2021	<4	7.2	4.8	<4.0
3Q2021	6.4	6.4	<4.0	4
4Q2021	8	11	<4.0	4.8

Figure 4
Total Nitrogen
1Q2019-4Q2021

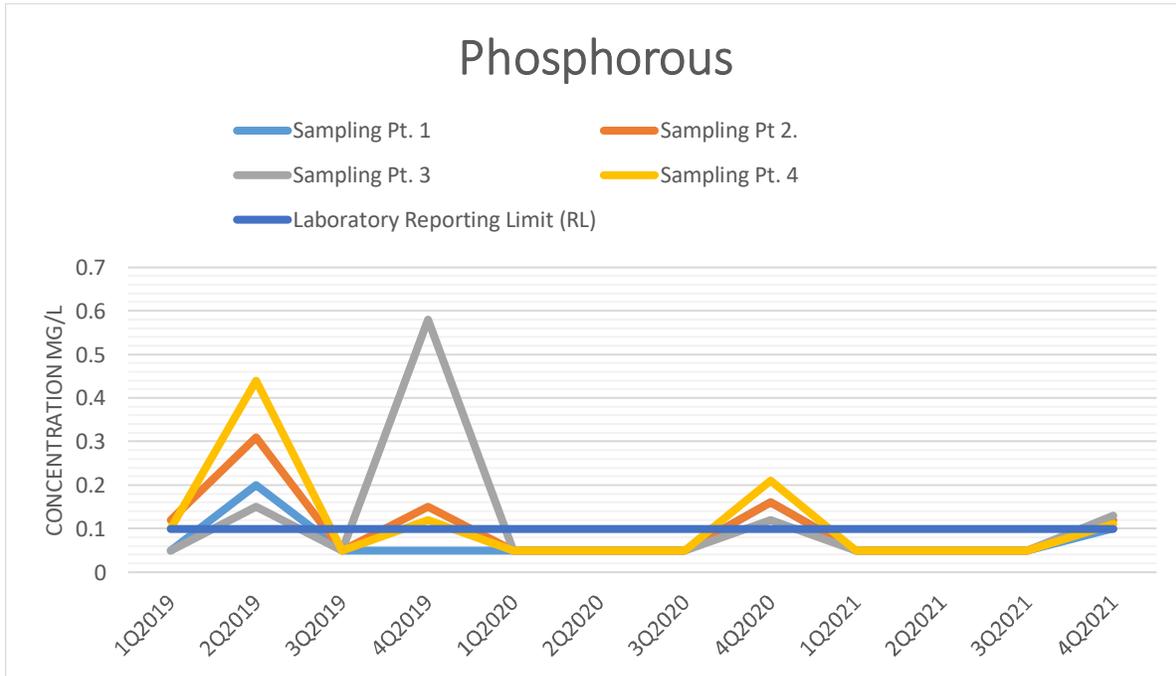


Nitrogen	Pt 1	Pt 2	Pt 3	Pt 4
1Q2019	1.2	<1.0	<1.0	<1.0
2Q2019	<1.0	1.4	<1.0	1.3
3Q2019	<1.0	<1.0	<1.0	<1.0
4Q2019	1.1	1.8	<1.0	<1.0
1Q2020	<1.0	<1.0	<1.0	<1.0
2Q2020	<1.0	<1.0	<1.0	<1.0
3Q2020	<1.0	<1.0	<1.0	1.6
4Q2020	<1.0	<1.0	<1.0	<1.0
1Q2021	<1.0	<1.0	<1.0	<1.0
2Q2021	1.3	<1.0	<1.0	<1.0
3Q2021	1	<1.0	<1.0	<1.0
4Q2021	<1	<1.0	1.8	<1.0

Note:

Non-detect values are shown at 1/2 the reporting limit

Figure 5
Total Phosphorous
1Q2019-4Q2021

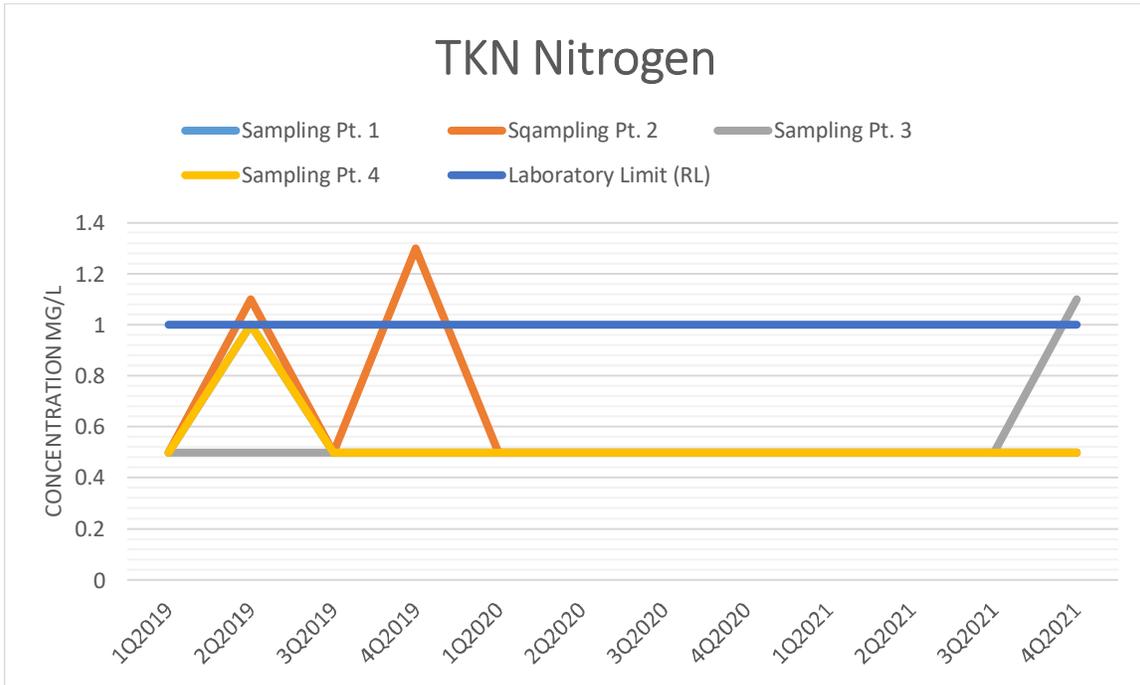


Phosphorous	Pt 1	Pt 2	Pt 3	Pt 4
1Q2019	<0.10	0.12	<0.1	0.1
2Q2019	0.2	0.31	0.15	0.44
3Q2019	<0.1	<0.1	<0.1	<0.1
4Q2019	<0.1	0.15	0.58	0.12
1Q2020	<0.1	<0.1	<0.1	<0.1
2Q2020	<0.1	<1.0	<0.1	<0.1
3Q2020	<0.1	<0.1	<0.1	<0.1
4Q2020	0.16	0.16	0.12	0.21
1Q2021	<0.1	<0.1	<0.1	<0.1
2Q2021	<0.1	<0.1	<0.1	<0.1
3Q2021	<0.1	<0.1	<0.1	<0.1
4Q2021	0.1	0.12	0.13	0.11

Note:

Non-detect values are shown at 1/2 the reporting limit

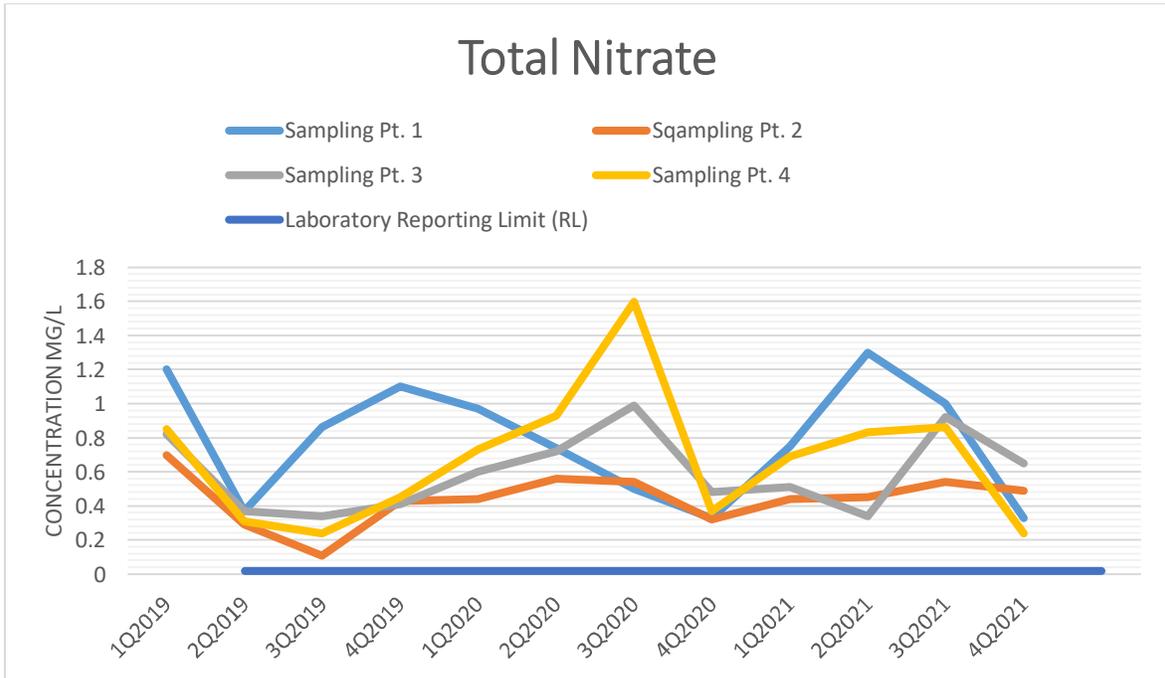
Figure 6
TKN Ammonia
1Q2019-4Q2021



TKN	Pt 1	Pt 2	Pt 3	Pt 4
1Q2019	<1.0	<1.0	<1.0	<1.0
2Q2019	1	1.1	<1.0	1
3Q2019	<1	<1.0	<1.0	<1.0
4Q2019	<1	1.3	<1	<1
1Q2020	<1	<1.0	<1.0	<1.0
2Q2020	<1	<1.0	<1.0	<1.0
3Q2020	<1	<1.0	<1.0	<1.0
4Q2020	<1	<1.0	<1.0	<1.0
1Q2021	<1.0	<1.0	<1.0	<1.0
2Q2021	<1.0	<1.0	<1.0	<1.0
3Q2021	<1.0	<1.0	<1.0	<1.0
4Q2021	<1.0	<1.0	1.1	<1.0

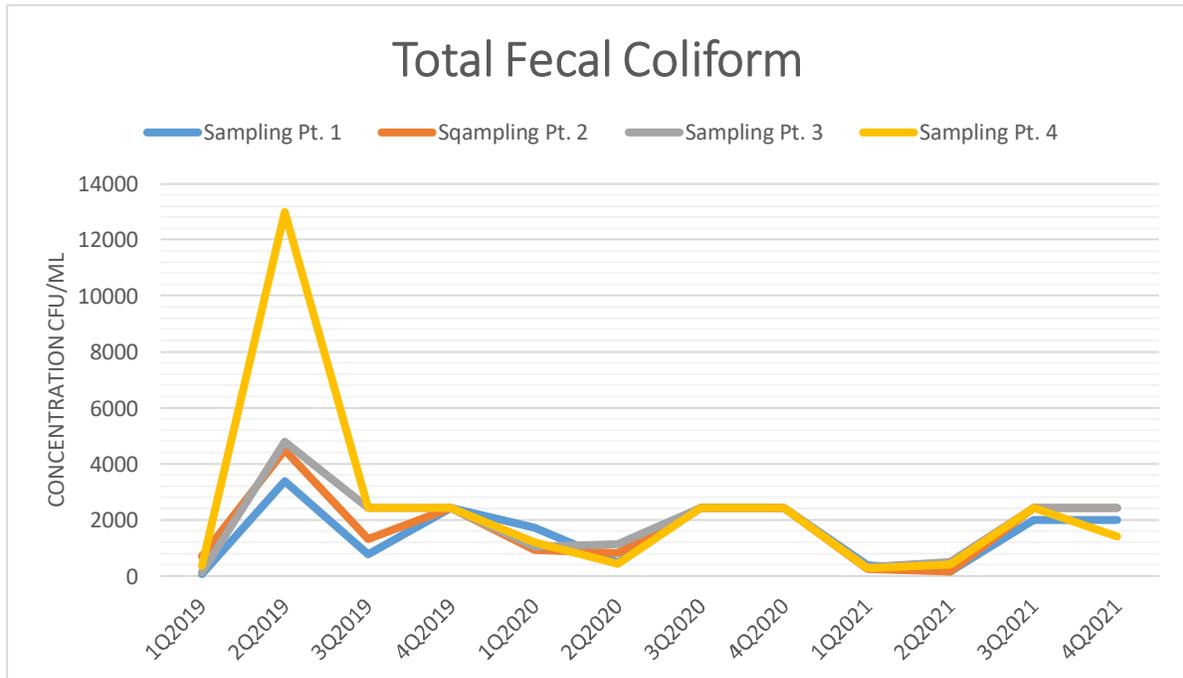
Note:
 Non-detect values are shown at 1/2 the reporting limit

Figure 7
Total Nitrate
1Q2019-4Q2021



Nitrate	Pt 1	Pt 2	Pt 3	Pt 4
1Q2019	1.2	0.7	0.82	0.85
2Q2019	0.37	0.29	0.37	0.31
3Q2019	0.86	0.11	0.34	0.24
4Q2019	1.1	0.43	0.41	0.45
1Q2020	0.97	0.44	0.6	0.73
2Q2020	0.74	0.56	0.72	0.93
3Q2020	0.5	0.54	0.99	1.6
4Q2020	0.33	0.32	0.48	0.37
1Q2021	0.75	0.44	0.51	0.69
2Q2021	1.3	0.45	0.34	0.83
3Q2021	1	0.54	0.92	0.86
4Q2021	0.33	0.49	0.65	0.24

Figure 8
Total Fecal Coliform
1Q2019-4Q2021



Fecal Coliform	Pt 1	Pt 2	Pt 3	Pt 4
1Q2019	81	700	140	350
2Q2019	3400	4500	4800	13000
3Q2019	770	1300	2420	2420
4Q2019	2420	2420	2420	2420
1Q2020	1730	921	1050	1200
2Q2020	461	816	1120	435
3Q2020	2420	2420	2420	2420
4Q2020	2420	2420	2420	2420
1Q2021	387	238	308	276
2Q2021	162	172	488	403
3Q2021	1990	2420	2420	2420
4Q2021	1990	2420	2420	1410

Tables

Table 1
Sample Point 1 Analytical Results from
1Q21-4Q21

Parameters	Units	1Q2021	2Q2021	3Q2021	4Q2021
Chloride	mg/L	350	160	100	62
Oil and Grease	mg/L	<5	<5	<5.0	<5
Total Suspended Solids (TSS)	mg/L	4.8	<4	6.4	8
Total Nitrogen	mg/L	<1.0	1.3	1	<1
Fecal Coliform	CFU/100 mL	387	162	1990	1990
Nitrate/Nitrite	mg/L	0.75	1.3	1	0.33
Phosphorous Total as P	mg/L	<0.1	<0.1	<0.1	0.1
	mg/L	<1.0	<1.0	<1.0	<1.0
Precipitation					
Last 24 hours	inch	0.79	0.08	0.25	1.03
Last 48 hours	inch	0.83	3.13	0.44	1.16

Notes:

CFU/100 mL = colony forming units per 100 milliliters

mg/L = milligrams per liter

Prepared by: MAW

Checked by: JCG1

Table 2
Sample Point 2 Analytical Results
1Q/2021-4Q2021

Parameters	Units	1Q2021	2Q2021	3Q2021	4Q2021
Chloride	mg/L	300	160	110	84
Oil and Grease	mg/L	<5.0	<5.1	<5.0	<5.1
Total Suspended Solids (TSS)	mg/L	27	7.2	6.4	11
Total Nitrogen	mg/L	<1.0	<1.0	<1.0	<1.0
Fecal Coliform	CFU/100 mL	238	172	>2420	2420
Nitrate/Nitrite	mg/L	0.44	0.45	0.54	0.49
Phosphorous Total as P	mg/L	<0.1	<0.1	<0.1	0.12
Total Kjeldahl-Nitrogen (TKN)	mg/L	<1.0	<1.0	<1.0	<1.0
Precipitation					
Last 24 hours	inch	0.79	0.08	0.25	1.03
Last 48 hours	inch	0.83	3.13	0.44	1.16

Notes:

CFU/100 mL = colony forming units per 100 mL

mg/L = milligrams per liter

Prepared by: MAW

Checked by: JCG1

Table 3
Sample Point 3 Analytical Results
1Q2021-4Q2021

Parameters	Units	1Q2021	2Q2021	3Q2021	4Q2021
Chloride	mg/L	520	260	160	110
Oil and Grease	mg/L	<5	<5.1	<5.0	<5.1
Total Suspended Solids (TSS)	mg/L	<4.0	4.8	<4.0	<4.0
Total Nitrogen	mg/L	<1.0	<1.0	<1.0	1.8
Fecal Coliform	CFU/100 mL	308	488	2420	>2420
Nitrate/Nitrite	mg/L	0.51	0.34	0.92	0.65
Phosphorous Total as P	mg/L	<0.1	<0.1	<0.1	0.13
Total Kjeldahl-Nitrogen (TKN)	mg/L	<1.0	<1.0	<1.0	1.1
Precipitation					
Last 24 hours	inch	0.79	0.08	0.25	1.03
Last 48 hours	inch	0.83	3.13	0.44	1.16

Notes:

CFU/100 mL = colony forming units per 100 milliliters

mg/L = milligrams per liter

Prepared by: MAW

Checked by: JCG1

Table 4
Sample Point 4 Analytical Results
1Q2021-4Q2021

Parameters	Units	1Q2021	2Q2021	3Q2021	4Q2021
Chloride	mg/l	250	150	110	55
Oil and Grease	mg/l	<5	<5.1	<5	<5.1
Total Suspended Solids (TSS)	mg/l	16	<4.0	4	4.8
Total Nitrogen	mg/l	<1.0	<1.0	<1.0	<1.0
Fecal Coliform	CFU/100 ml	276	403	>2420	1410
Nitrate/Nitrite	mg/l	0.69	0.83	0.86	0.24
Phosphorous Total as P	mg/l	<0.1	<0.1	<0.1	0.11
Total Kjeldahl-Nitrogen (TKN)	mg/l	<1.0	<1.0	<1.0	<1.0
Precipitation					
Last 24 hours	inch	0.79	0.08	0.25	1.03
Last 48 hours	inch	0.83	3.13	0.44	1.16

Attachment 1
Field Observation Sheets

Field Sheet
1st Quarter 2021



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	03/16/2021	
Sampling Location Point:	Sample Pt 1	
Sampling Personnel:	Mark Williams & Dakota Ladwig	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal debris at sampling pt.	
	Last 24 hours	Last 48 hours
Precipitation:	0.79"	0.83"
Current Outdoor Air Temperature:		
Current Weather Conditions:		

Water Sample Observations

Odor:	No odor	
Appearance:		
Color:	Light brown	
Turbidity:	Slight Turbidity	
Other:		

Additional Information/Comments



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	03/16/2021	
Sampling Location Point:	Sample Pt 2	
Sampling Personnel:	Mark Williams & Dakota Ladwig	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal debris at sampling pt.	
	Last 24 hours	Last 48 hours
Precipitation:	0.79"	0.83"
Current Outdoor Air Temperature:		
Current Weather Conditions:		

Water Sample Observations

Odor:	None	
Appearance:	medium flow	
Color:	Light Brown	
Turbidity:	Slight Turbidity	
Other:		

Additional Information/Comments



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	03/16/2021	
Sampling Location Point:	Sample PE 3	
Sampling Personnel:	Mark Williams & Dakota Ludwig	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Brush upstream	
	Last 24 hours	Last 48 hours
Precipitation:	0.79"	0.83"
Current Outdoor Air Temperature:		
Current Weather Conditions:		

Water Sample Observations

Odor:	None
Appearance:	low-flow
Color:	Brown
Turbidity:	low
Other:	

Additional Information/Comments



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	03/16/2021		
Sampling Location Point:	Sample Pt 4		
Sampling Personnel:	Mark Williams & Dakota Ludwig		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Debris upstream (T.V. etc)	
	Last 24 hours	Last 48 hours
Precipitation:	0.79"	0.83"
Current Outdoor Air Temperature:		
Current Weather Conditions:		

Water Sample Observations

Odor:	None
Appearance:	low flow
Color:	Light brown
Turbidity:	Low
Other:	

Additional Information/Comments

Field Sheet
2nd Quarter 2021



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	4-30-2021	
Sampling Location Point:	Sample Point 1	
Sampling Personnel:	Dakota Ludwig + Alisha Weatherspoon	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):		
	Last 24 hours	Last 48 hours
Precipitation:	0.08"	3.13"
Current Outdoor Air Temperature:		
Current Weather Conditions:		

Water Sample Observations

Odor:	None
Appearance:	
Color:	Light-brown
Turbidity:	Slight
Other:	

Additional Information/Comments

Time of Sampling 11:05 AM



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	4-30-2021	
Sampling Location Point:	Sample Point 2	
Sampling Personnel:	Dakota Ludwig, Alisha Weatherspoon	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):		
	Last 24 hours	Last 48 hours
Precipitation:	0.08"	3.13"
Current Outdoor Air Temperature:		
Current Weather Conditions:		

Water Sample Observations

Odor:	None
Appearance:	
Color:	Light-brown
Turbidity:	Slight
Other:	

Additional Information/Comments

Time of Sampling 10:45 AM



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	04-30-2021	
Sampling Location Point:	Sample Point #3	
Sampling Personnel:	Dakota Ludwig & Alisha Weatherspoon	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):		
	Last 24 hours	Last 48 hours
Precipitation:	0.08"	3.13"
Current Outdoor Air Temperature:		
Current Weather Conditions:		

Water Sample Observations

Odor:	None	
Appearance:		
Color:	Light Brown	
Turbidity:	slight	
Other:		

Additional Information/Comments

Time of Sampling 10:20 AM



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	04-30-2021	
Sampling Location Point:	Sample Point #4	
Sampling Personnel:	Dakota Ludwig, Alisha Weatherspoon	
Conditions of Sampling Point Location		

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Debris upstream	
	Last 24 hours	Last 48 hours
Precipitation:	0.08"	3.13"
Current Outdoor Air Temperature:		
Current Weather Conditions:		

Water Sample Observations		
Odor:	None	
Appearance:		
Color:	Lt-brown	
Turbidity:	slight	
Other:		

Additional Information/Comments

Time of Sampling 10:00 AM

Field Sheet
3rd Quarter 2021



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	07/13/2021		
Sampling Location Point:	Sample Pt 1		
Sampling Personnel:	Mark Williams and Dakota Ladwig		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal / overgrown vegetation	
Precipitation:	Last 24 hours 0.25"	Last 48 hours 0.44"
Current Outdoor Air Temperature:	73°F	
Current Weather Conditions:	M.P. Cloudy	

Water Sample Observations

Odor:	None
Appearance:	lt brn
Color:	''
Turbidity:	slight
Other:	

Additional Information/Comments

TOS 10/10



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	07/13/2021	
Sampling Location Point:	Sample Pt 2	
Sampling Personnel:	Mark Williams and Dakota Ladwig	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal	
Precipitation:	Last 24 hours 0.25"	Last 48 hours 0.44"
Current Outdoor Air Temperature:	73°F	
Current Weather Conditions:	Cloudy	

Water Sample Observations

Odor:	Normal	
Appearance:	v. lt brn	
Color:	11	
Turbidity:	none	
Other:		

Additional Information/Comments

TOS 0938



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	07/13/2021	
Sampling Location Point:	Sample Pt 3	
Sampling Personnel:	Mark Williams and Dakota Ladwig	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal flow	
Precipitation:	Last 24 hours 0.25"	Last 48 hours 0.44"
Current Outdoor Air Temperature:	73°F	
Current Weather Conditions:	Cloudy	

Water Sample Observations

Odor:	algae
Appearance:	v. lt brn
Color:	"
Turbidity:	none
Other:	

Additional Information/Comments

TOS: 09:13



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	07/13/2021		
Sampling Location Point:	Sample Pt 4		
Sampling Personnel:	Mark Williams and Dakota Ladwig		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	concrete debris upstream, some trees	
Precipitation:	Last 24 hours 0.25"	Last 48 hours 0.44"
Current Outdoor Air Temperature:	73°F	
Current Weather Conditions:	Cloudy	

Water Sample Observations

Odor:	None
Appearance:	lt brn
Color:	"
Turbidity:	low
Other:	

Additional Information/Comments

TOS 0858

Field Sheet
4th Quarter 2021



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	10-08-2021	
Sampling Location Point:	Sample Pt 1	
Sampling Personnel:	Dakota Ludwig & Johannes Fisseha	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	creek level up. Normal debris	
	Last 24 hours	Last 48 hours
Precipitation:	1.03"	1.16"
Current Outdoor Air Temperature:	68°F	
Current Weather Conditions:	P. Cloudy, Wind SW 3 mph	

Water Sample Observations

Odor:	Earthy
Appearance:	
Color:	lt brn
Turbidity:	Moderate
Other:	

Additional Information/Comments

TOS 1010



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	10-08-2021		
Sampling Location Point:	Sample Pt 2		
Sampling Personnel:	Dakota Ludwig & Johannes Fisseha		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal debris (down trees)	
	Swift flow	
	Last 24 hours	Last 48 hours
Precipitation:	1.03"	1.16"
Current Outdoor Air Temperature:	68°F	
Current Weather Conditions:	P. Cloudy, Wind SW 2-3 mph	

Water Sample Observations

Odor:	Earthy
Appearance:	
Color:	lt brn
Turbidity:	Moderates
Other:	

Additional Information/Comments

TOS 0950



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	10-08-2021	
Sampling Location Point:	Sample Pt 3	
Sampling Personnel:	Dakota Ludwig & Johannes Fisseha	
Conditions of Sampling Point Location		
Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	No debris, evidence on sides of swift flow	
	bent grass etc.	
	Last 24 hours	Last 48 hours
Precipitation:	1.03"	1.16"
Current Outdoor Air Temperature:	68°F	
Current Weather Conditions:	P. Cloudy Wind SW 3 mph	
Water Sample Observations		
Odor:	None	
Appearance:		
Color:	v. lt brn	
Turbidity:	Slight	
Other:		

Additional Information/Comments TOS 0925



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	10-08-2021	
Sampling Location Point:	Sample Pt 4	
Sampling Personnel:	Dakota Ludwig & Yohannes Fisseha	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal Debris, concrete rubble, & few trees up stream	
	Last 24 hours	Last 48 hours
Precipitation:	1.03"	1.16"
Current Outdoor Air Temperature:	67°F	
Current Weather Conditions:	P. Cloudy, Wind SW 2mph	

Water Sample Observations

Odor:	Earthy
Appearance:	
Color:	lt brn
Turbidity:	moderate
Other:	

Additional Information/Comments

TOS 0910

Cost Summary By Task

Task	Activities	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Cleaning Inlet Tops	23	210.00	\$8,385.08	\$3,165.10	\$0.00	\$0.00	\$0.00	\$11,550.18
Concrete	71	1,252.00	\$41,806.74	\$29,795.70	\$15,341.59	\$455.76	\$0.00	\$87,464.79
Concrete Work	17	247.00	\$8,170.30	\$4,888.66	\$5,260.55	\$122.33	\$0.00	\$18,441.84
Headwall Cleaning	1	15.00	\$494.61	\$669.48	\$0.00	\$0.00	\$0.00	\$1,164.09
Inlet Inspection	5	70.00	\$2,315.70	\$974.89	\$0.00	\$0.00	\$0.00	\$3,290.59
Inspection Of Pipes	70	528.50	\$13,592.12	\$496.02	\$0.00	\$0.00	\$0.00	\$14,088.13
Storm Sewer Repair	110	2,055.50	\$67,951.12	\$55,660.81	\$16,373.60	\$74.14	\$0.00	\$141,002.17
Storm Sewers Cleaning	76	553.50	\$18,116.59	\$15,604.01	\$84.00	\$0.00	\$0.00	\$34,157.35
Street Sweeping	763	8,629.04	\$290,701.77	\$516,745.76	\$124.68	\$0.00	\$0.00	\$807,572.20
Tasks:	9	1,136	13,560.54	\$628,000.43	\$451,534.02	\$37,184.42	\$652.23	\$1,118,731.34
							\$0.00	

APPENDIX B - TMDL STRATEGY

CITY OF PEORIA, IL
BACTERIA TMDL – WATER QUALITY SAMPLING PLAN

Total Maximum Daily Load (TMDL) sampling is needed to either confirm or refute only the fecal coliform concentrations in the TMDL report prepared by USEPA ⁽¹⁾. Separate from the ILR40 permit sampling currently being conducted at four locations within the Kickapoo Creek watershed, it is recommended that wet weather sampling for fecal coliform be performed at two locations: one in the Kickapoo Creek watershed (Dry Run Creek at North Park Road) and one in Illinois River Main Stem watershed (IL Rt. 6 over Moon Hollow Creek). Proposed sampling locations are shown in Figures 1 and 2.

Automated sampling equipment is recommended to improve the chances of collecting samples outside normal business hours. This requires purchasing and installing various pieces of equipment. The sampler will have to be iced down prior to the storm event to preserve the samples for laboratory testing. This means persons responsible for maintaining the samplers and taking samples to the laboratory will have to monitor the weather and anticipate storm events worthy of producing runoff. Automated sampling sites will essentially consist of a sampler containing a carousel of 24 bottles where the samples are collected and stored for retrieval. The sampler will be programmed to start collecting samples when water level in the stream begins to rise and will continue until the water level drops back to ambient conditions or all the bottles are full, depending on the sampling interval. Sampler activation is triggered by a flow meter in the channel that is connected to the sampler, which tells the sampler when to begin collecting samples. A modem will be connected to the sampler to notify personnel via text message when sampling has been initiated and when complete. Samplers will be powered by batteries that will have to be recharged or replaced depending on the type of sampler. Recommended equipment is the ISCO Model 6712 Sampler and ISCO Signature Flow Meter.

A minimum of two rainfall events should be sampled between May 1 and October 31 each year for the foreseeable future.

Rainfall data from the MS4 area should also be collected to correlate the runoff and sampling events. Peoria’s rain gauge network does not cover the central and northern parts of the city. Two additional recording rain gauges are recommended to supplement the existing network: one in the vicinity of Dries Lane and the other in the vicinity of Wilhelm Road (See Figures 1 and 2). Rain gauges should be purchased from the vendor being used to monitor CSO events and linked together for efficiency.

Table 1 provides an opinion of cost (2020 \$s) to purchase and install the sampling and rain gauge equipment.

Item #	Item Description	Quantity	Unit	Unit Price	Amount
1	Teledyne ISCO 6712 Portable Sampler	2	Each	\$4,071	\$8,142
2	24 Bottle Carriage for Discrete Sampling	2	Each	\$236	\$473
3	Rechargeable Ni-Cad Battery	2	Each	\$287	\$573
4	Ni-Cad Battery Charger	2	Each	\$152	\$305
5	External Battery Cable - 6 FT Long	2	Each	\$104	\$208
6	3/8" vinyl suction tubing - 100 FT Long	2	Each	\$93	\$187
7	3/8" vinyl suction tubing coupler	2	Each	\$22	\$44
8	3/8" vinyl suction tubing - SS Strainer	2	Each	\$66	\$132
9	6712Ci modem module	2	Each	\$2,374	\$4,748
10	4-20 mA input interface cable	2	Each	\$173	\$347
11	Liquid Level Actuator	2	Each	\$492	\$985
12	Equipment Shipping Freight	1	LS	\$700	\$700
13	Installation Site Scoping Visit (2 hours/site)	2	Each	\$760	\$1,520
14	Equipment Enclosures	2	Each	\$1,600	\$3,200
15	Teledyne ISCO Signature A-V Meter & Attachments	2	Each	\$6,300	\$12,600
16	Marine Batteries	2	Each	\$210	\$420
17	Rain Gauge w/ installation	2	Each	\$3,675	\$7,350
18	Sampler & A-V Meter Installation (12 hours/site)	2	Each	\$4,560	\$9,120
19	Miscellaneous Equipment / Expenses (Cellular Plan)	1	LS	\$2,100	\$2,100
20	Contingencies	1	LS	\$13,000	\$13,000
TOTAL					\$66,153

Figure 1 – Kickapoo Creek Watershed Sampling Location and Associated Rain Gauge

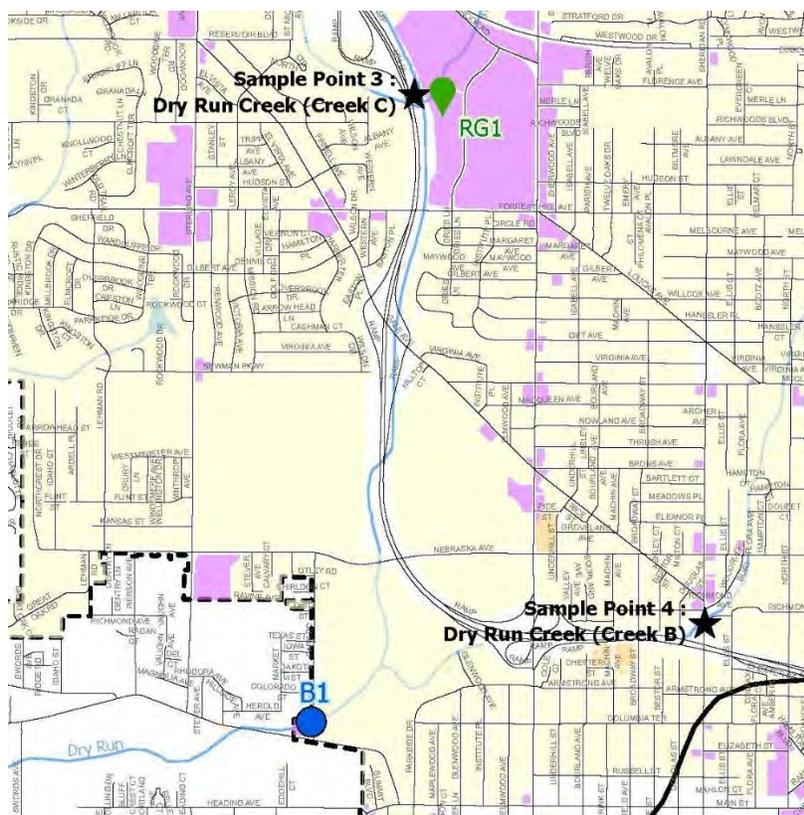
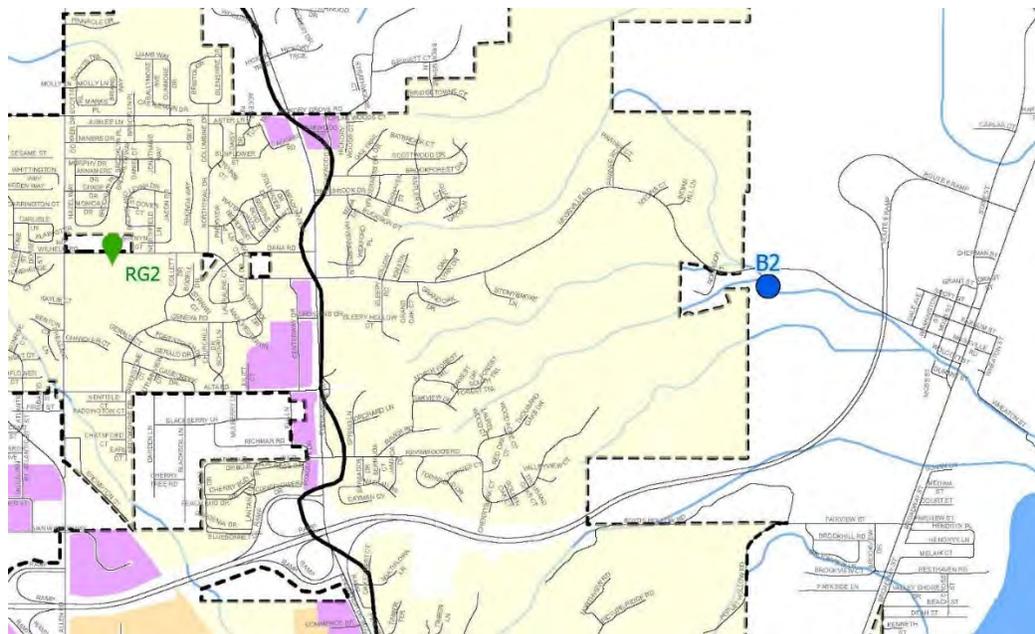


Figure 2 – Illinois River Main Stem Sampling Location and Associated Rain Gauge



APPENDIX C - MS4 WATER QUALITY SAMPLING RESULTS



2314 West Altorfer Drive
Peoria, IL 61615
(309) 691-5300
foth.com

February 28, 2023

Andrea Klopfenstein, P.E.
Deputy Director – City Engineer
City of Peoria Public Works Department
3505 N. Dries Lane
Peoria, IL 61604

Re: Review of Storm Water Samples Collected for the Separate Storm Sewer System –
MS4 Permit for Calendar Year 2022

Dear Andrea Klopfenstein:

The following is a summary report for storm water samples collected in 2022 from Sampling Points P1 through P4. Included in this summary report are:

- ◆ Goals of the MS4 Permit, Sampling Point Location and Descriptions
- ◆ Summary of Procedures Utilized to Collect Storm Water Samples
- ◆ Analytical Data Summary Including Trends and Potential Areas of Concern
- ◆ Figure showing Sampling Point Locations
- ◆ Laboratory Analytical Data

Goals of the MS4 Permit, Sampling Point Location and Descriptions

Four sampling locations (P1 through P4) were selected to meet requirements of the MS4 Permit and determine whether surface water quality is improving, remaining stable, or decreasing. The sampling point locations are located outside of the known Combined Sewer Overflows (CSO) system and should be storm water flowing within the City of Peoria (City) boundaries. Sampling Point P1 is located the farthest to the north and encompasses a mix of residential, industrial, and commercial properties. Sampling Point P2 covers the northwest and some of the middle parts of the city with a mix of residential, commercial, and industrial properties. Sampling Point P3 is a mix of residential and commercial properties, and Sampling Point P4 encompasses the eastern portions of the City and is predominately residential. The four sampling point locations are shown on attached Figure 1.

Summary of Procedures Utilized to Collect Storm Water Samples

Per General National Pollutant Discharge Elimination System (NPDES) Permit ILR40, storm water samples must be collected within 48 hours of a precipitation event greater than or equal to 0.25 inch of precipitation in a 24-hour period. Only one storm water grab sample per location is required to be collected per quarter. If there is insufficient precipitation during a quarter, storm water samples would not be collected. Storm water samples were collected every quarter in 2022.

Analytical Data Summary Including Trends and Potential Areas of Concern

Storm water samples were grab samples and were collected directly from the stream. Flow rate is not factored in sample collection as flow monitoring devices are not installed at the sampling point. Field observation sheets noting precipitation amount, weather conditions, sample appearance, etc. were completed at each sampling point every quarter, and are attached in Attachment 1. There were no observed factors that appeared to bias sample results. Some of those factors (if present) could be sheens, discoloration, smell, animal carcass/feces, etc. The parameters analyzed are required under General NPDES Permit ILR40 Part V.(A)(2)(c) and are shown in attached Tables 1 through 4 (2022 Analytical Laboratory Results) and graphically on Figures 2 through 8 (Data Graphs). A graph was not generated for the parameter grease and oil since all grease and oil concentrations have been reported as non-detect (ND) below the laboratory reporting limit (RL).

As shown on Figure 2, the trend continued from previous years that the highest chloride concentration reported for the year occurred during the first quarter event. A plausible explanation for this trend could be related to the seasonal effect of snowfall and the runoff of "salt" placed on local roads, residential driveways, and sidewalks as a deicer. A total of 10.6 inches of snowfall was recorded for Peoria for the month of February 2022.

A total suspended solid (TSS) is a waterborne particle that exceeds 2 microns in size (micron thickness is 0.001 millimeter [mm]). TSS can be anything that floats or is suspended in water and can affect water clarity. Common suspended solids are bacteria and sediments, such as clay, gravel, sand, and silt. Common causes of TSS in water are erosion and runoff from rainfall or snow melting. TSS concentrations in 2022 were consistent with historical concentrations except for the third quarter TSS concentration at Sampling Point P4, as shown on Figure 3. Field sheets for that event did not note any observations of additional debris or turbidity in the stream when samples were taken. The TSS concentration at Sampling Point P4 was reported as less than (<)4 milligrams per liter (mg/L) for the following fourth quarter event.

A particle smaller than 2 microns is considered a total dissolved solid (TDS). The United States Environmental Protection Agency (USEPA) secondary drinking water standard for a TDS concentration is 500 parts per million (ppm), which is considerably higher than the TSS concentrations currently being reported at Sampling Points P1 through P4 on a routine basis.

Most of the total nitrogen (Figure 4), phosphorous (Figure 5), and Total Kjeldahl Nitrogen (TKN) ammonia (Figure 6) concentrations were reported as ND at the laboratory RL for all four sampling points, with an occasional concentration reported above the RL. For illustrative purposes, ND values in the Figures are shown at the laboratory RL. Total nitrate (Figures 7 through 7D) is being detected at all four sampling locations, and concentration levels at each sampling point are consistent with what has been reported historically. Figures 7A through 7D illustrate the total nitrate concentration at each individual sampling point. There does not appear to be a concentration trend between the sampling points. Concentration levels are considerably below the Class I Groundwater Quality Standard (Potable Resource Groundwater) of 10 mg/L. The concentrations detected above the RL could be related to runoff from the application of fertilizers, herbicides, and insecticides at residences and businesses.

As shown in Figure 8, the fecal coliform concentrations in 2022 were consistent with historical concentrations across all four sampling points. There does not appear to be a disparity in fecal coliform concentrations between the sampling locations. There does appear to be a seasonal trend in that the higher fecal coliform concentrations have occurred during the third and fourth quarter sampling events for all four locations; this trend continued in 2022. Fecal coliform concentrations reported at greater than (>)2420 colony forming units per 100 milliliters (CFU/100 mL) are shown at a concentration level of 2420 CFU/100 mL in Figure 8. At this time there does not appear to be a clear trend for the fecal coliform concentrations in relation to location, precipitation amount, visible turbidity, or flow. After the TMDL (total maximum daily load) study sampling locations are finalized and fecal coliform concentrations are collected across a storm water event, a timeline of concentration levels across a storm event should help to determine peak load times.

In 2022 additional samples were collected during dry months to establish background values that storm events sample analysis could be compared with to determine if there is an impact from storm water on water quality. A background sample was collected on July 21 and tested for the same parameters that are tested for during a storm water event. Three other background samples were collected during non-rain events and only tested for fecal coliform concentrations. Attached Tables 1 through 4 show the parameters analyzed at each sampling point, including the analysis on samples collected during non-storm events.

As illustrated in Tables 1 through 4, the reported concentrations for parameters chloride, TSS, nitrate, phosphorus, and TKN were generally lower than storm events. However, there is not a significant difference between the non-storm (background) and storm events. The parameter grease and oil was not detected during background or storm events. The fecal coliform concentrations do not exhibit a clear distinction between the samples collected during non-storm events and storm events. For instance, the fecal coliform concentration of 1410 most probable number per 100 milliliters (MPN/100 mL) reported at Sampling Point P1 during the June 6, 2022, non-storm event is higher than fecal coliform concentrations reported for storm events in quarters 1 and 2.

The following items could be used to further investigate the fecal coliform and the other parameter concentrations:

- ◆ Collect background samples from upgradient watersheds that flow into the City's creeks and streams to determine a background value prior to entering the City's waterways.
- ◆ Continue to collect periodic samples during non-precipitation events to check "normal" flow background concentrations (not affected by precipitation) for all parameters.
- ◆ Collect grab samples during a storm event to evaluate concentration levels across a time period.
- ◆ Increase the number of sampling locations and consider timed collection of storm samples to evaluate concentrations across a storm event, such as the TMDL study commencing in 2023.
- ◆ Track snowfall total and amount of salt or other deicer products the City/County has applied to roads during the month, analyzing whether this corresponds with increased chloride concentrations in water samples.

- ◆ Track monthly precipitation amounts with date samples were collected, looking for indications of runoff from erosion or application of landscaping chemicals.
- ◆ Identify high fecal watershed, and sample multiple points along streams at the same time to narrow potential pollutant sources.

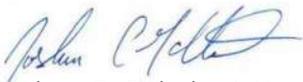
Some general assumptions are.

1. The periodic detection of concentrations of chloride, nitrogen, phosphorous, TKN ammonia, and nitrate could be related to either deicing chemicals applied after snowfall or runoff from the application of landscaping chemicals.
2. It appears the TSS concentration is not affected by precipitation amounts; however, this will continue to be investigated.
3. There is not a disparity between the fecal coliform concentration and the four sampling point locations. The fecal coliform concentration is consistent across all four sampling locations with higher concentrations being reported for the third and fourth quarter sampling events.
4. The concentrations of some parameters (chloride, nitrogen, phosphorous, TKN ammonia, and nitrate) analyzed during non-storm events (normal flow) are not significantly different than concentrations collected during storm events.

Early indications are that the concentrations of some parameters collected during non-storm events (background concentrations) were not significantly different than concentrations collected during storm events. Concentrations will continue to be collected periodically during non-storm events to determine if the periodic or seasonal spikes in concentrations could be related to the effects of road deicing after a snowfall event or runoff related to the application of landscape chemicals. Baseline data can then be used to determine whether water quality is improving, remaining stable, or decreasing.

Sincerely,

Foth Infrastructure & Environment, LLC



Joshua C. Gabehart, P.E.
Client Team Leader
Licensed in IL, IA, AR, & GA



Mark A. Williams
Lead Environmental Scientist

Enclosures

Figures

- Figure 1: Map of Sample Point Locations
- Figure 2: Total Chloride Concentration Graph
- Figure 3: Total Suspended Solids Concentration Graph
- Figure 4: Total Nitrogen Concentration Graph
- Figure 5: Total Phosphorous Concentration Graph
- Figure 6: Total TKN Ammonia Concentration Graph

Figure 7: Total Nitrate Concentration Graph

Figure 8: Total Fecal Coliform Concentration Graph

Tables

Table 1 – Sampling Point 1 Laboratory Analytical Results

Table 2 – Sampling Point 2 Laboratory Analytical Results

Table 3 – Sampling Point 3 Laboratory Analytical Results

Table 4 – Sampling Point 4 Laboratory Analytical Results

Attachment 1 Field Observation Sheets

Streams in the CSO Area

Centerlines	Combined Through StormSewers
Creeks & Streams	Partially Separate
Creeks & Streams	Separate
City Boundaries	Zoning
City Boundaries	Commercial
CSO Area	Industrial
Combined Direct	Residential
★ Sample Points	

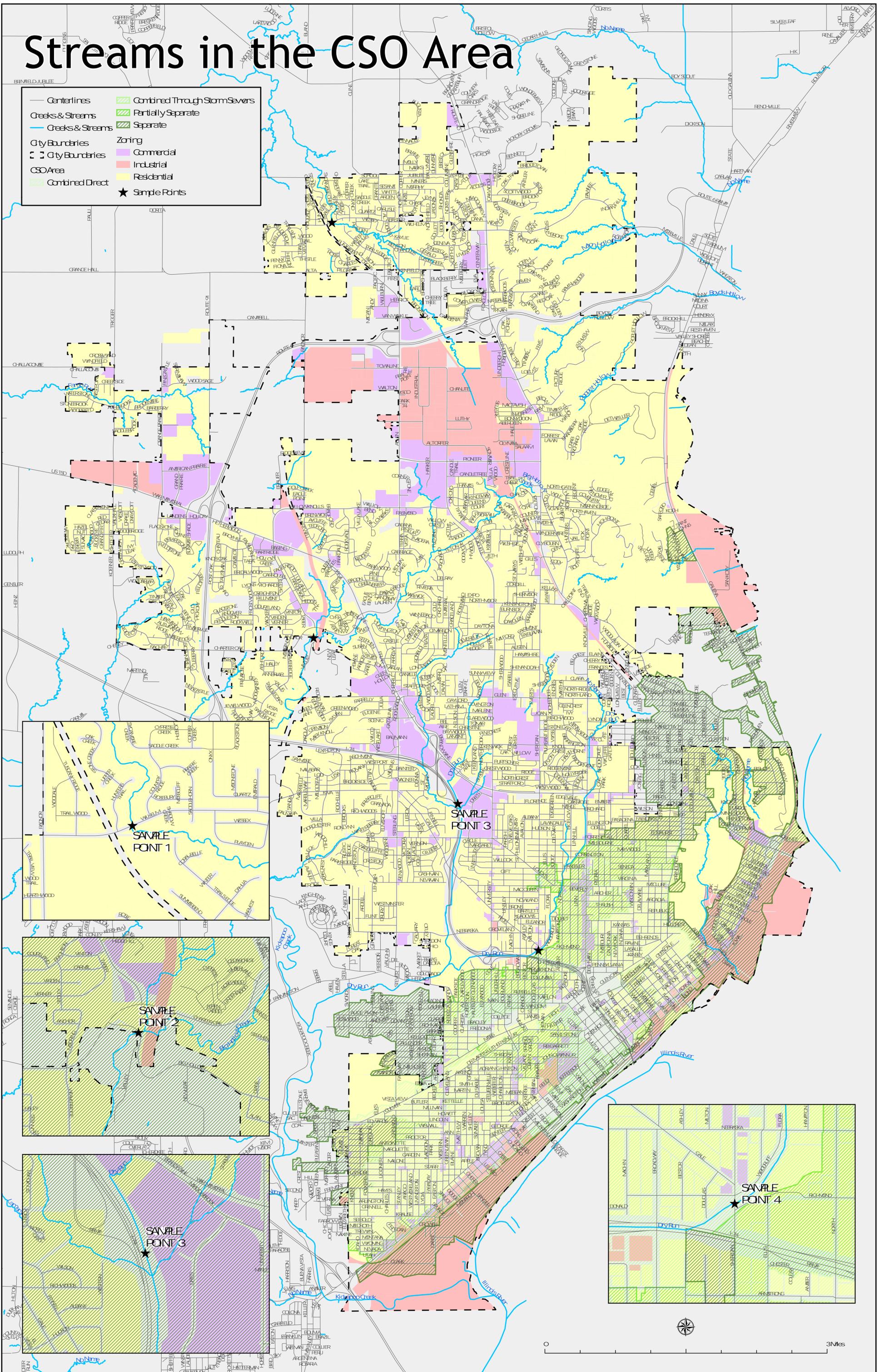


Figure 2
Total Chloride
First Quarter 2019 through Fourth Quarter 2022

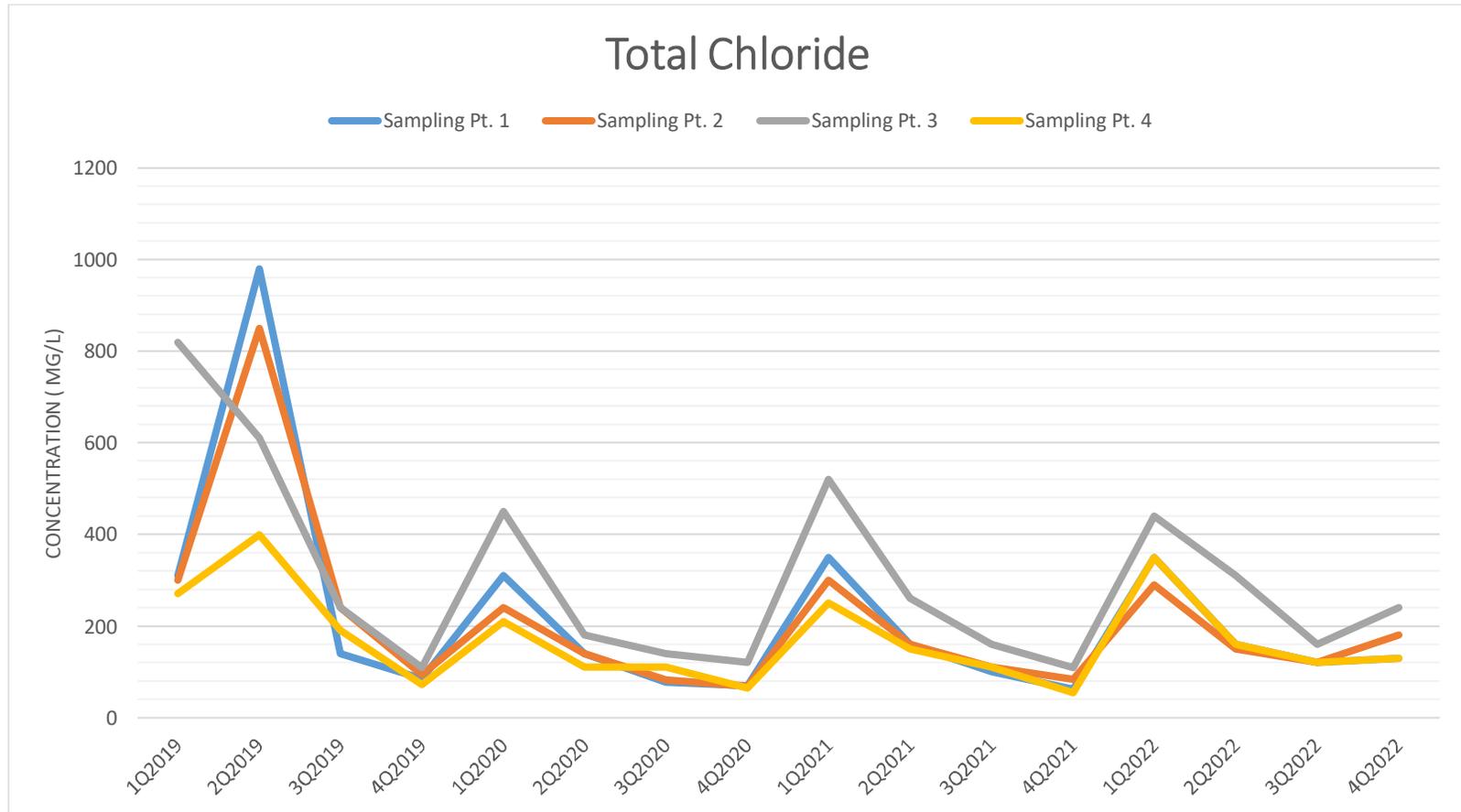


Figure 3
Total Suspended Solids (TSS)
First Quarter 2019 through Fourth Quarter 2022

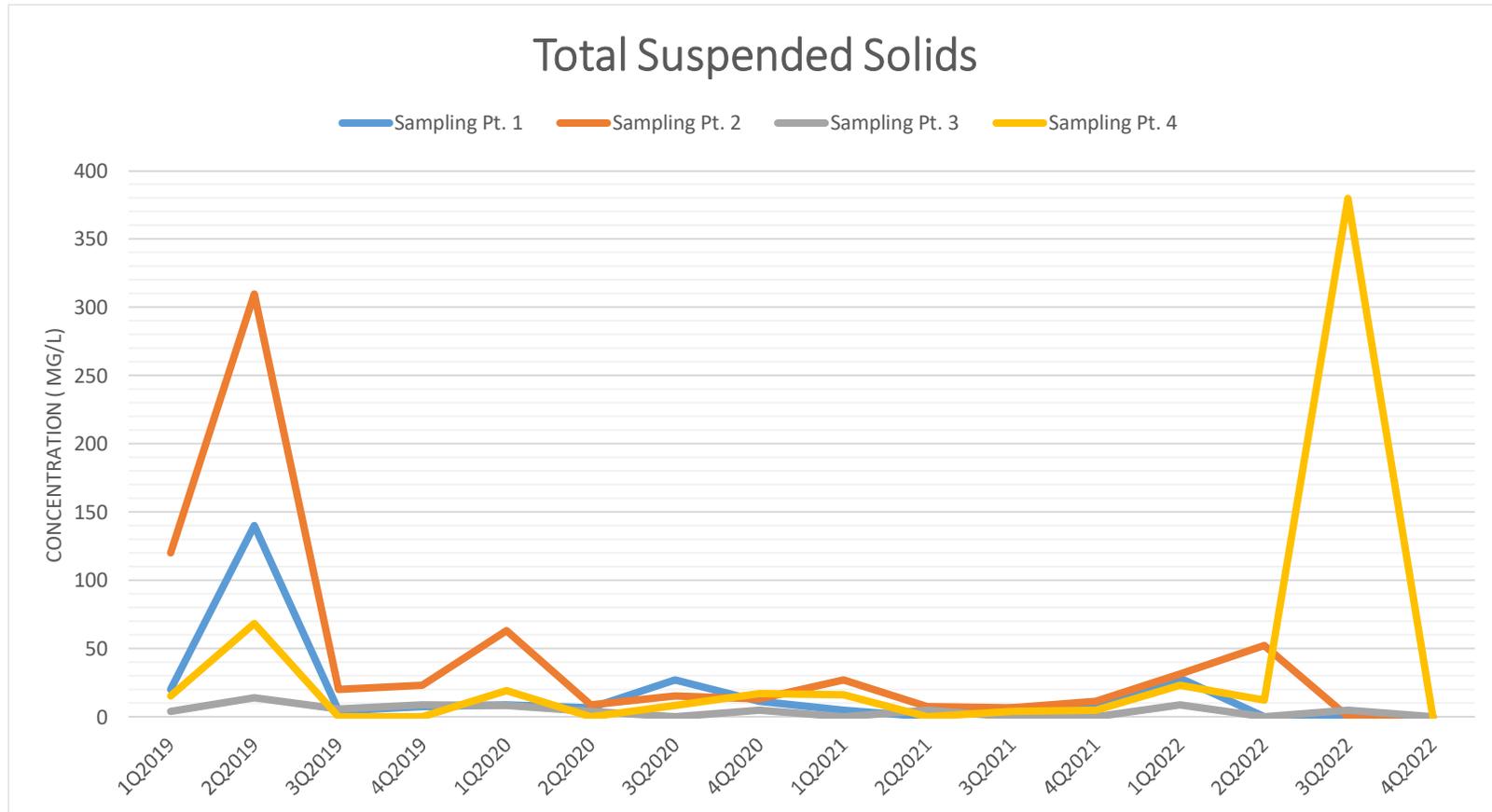
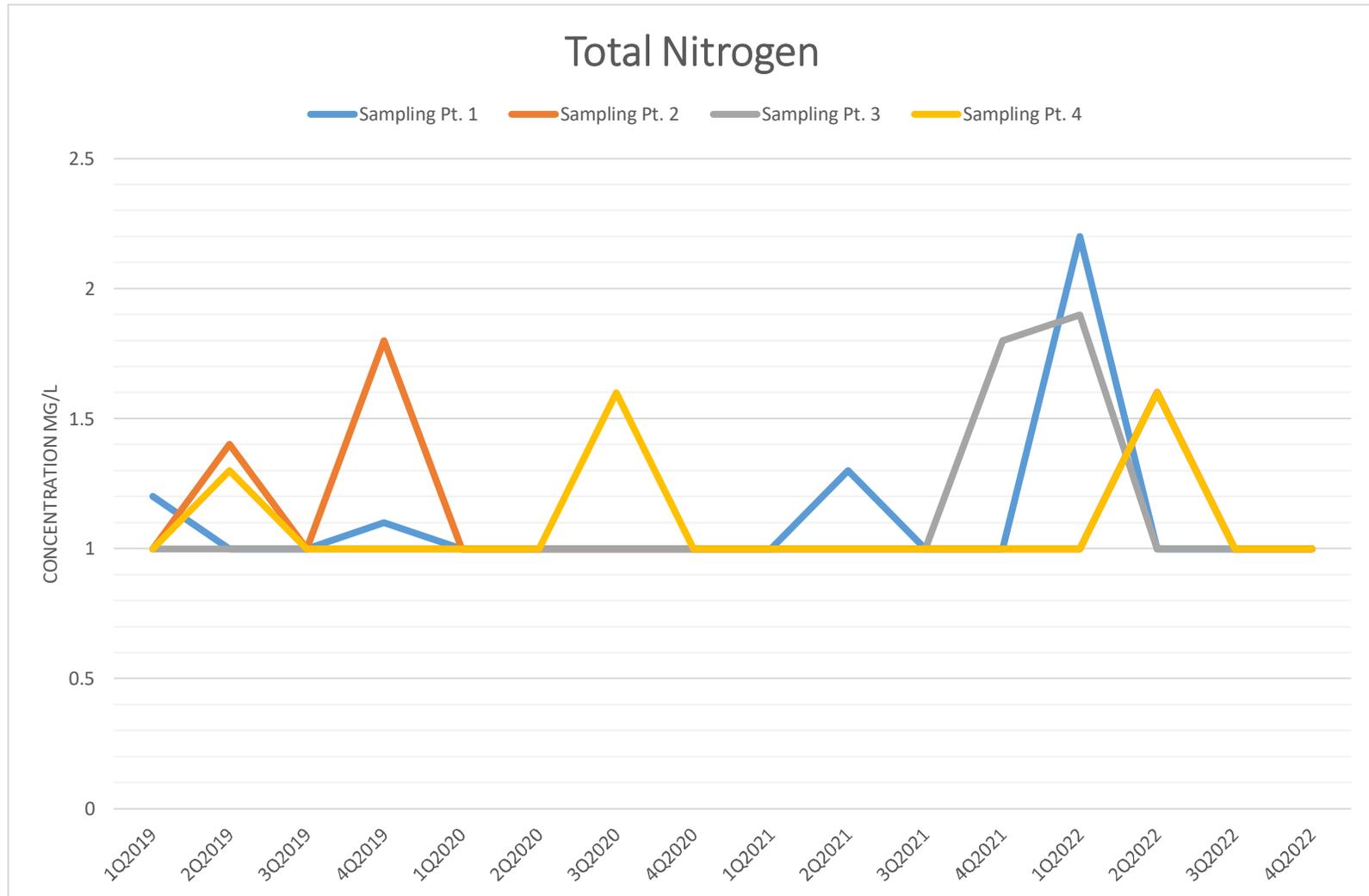


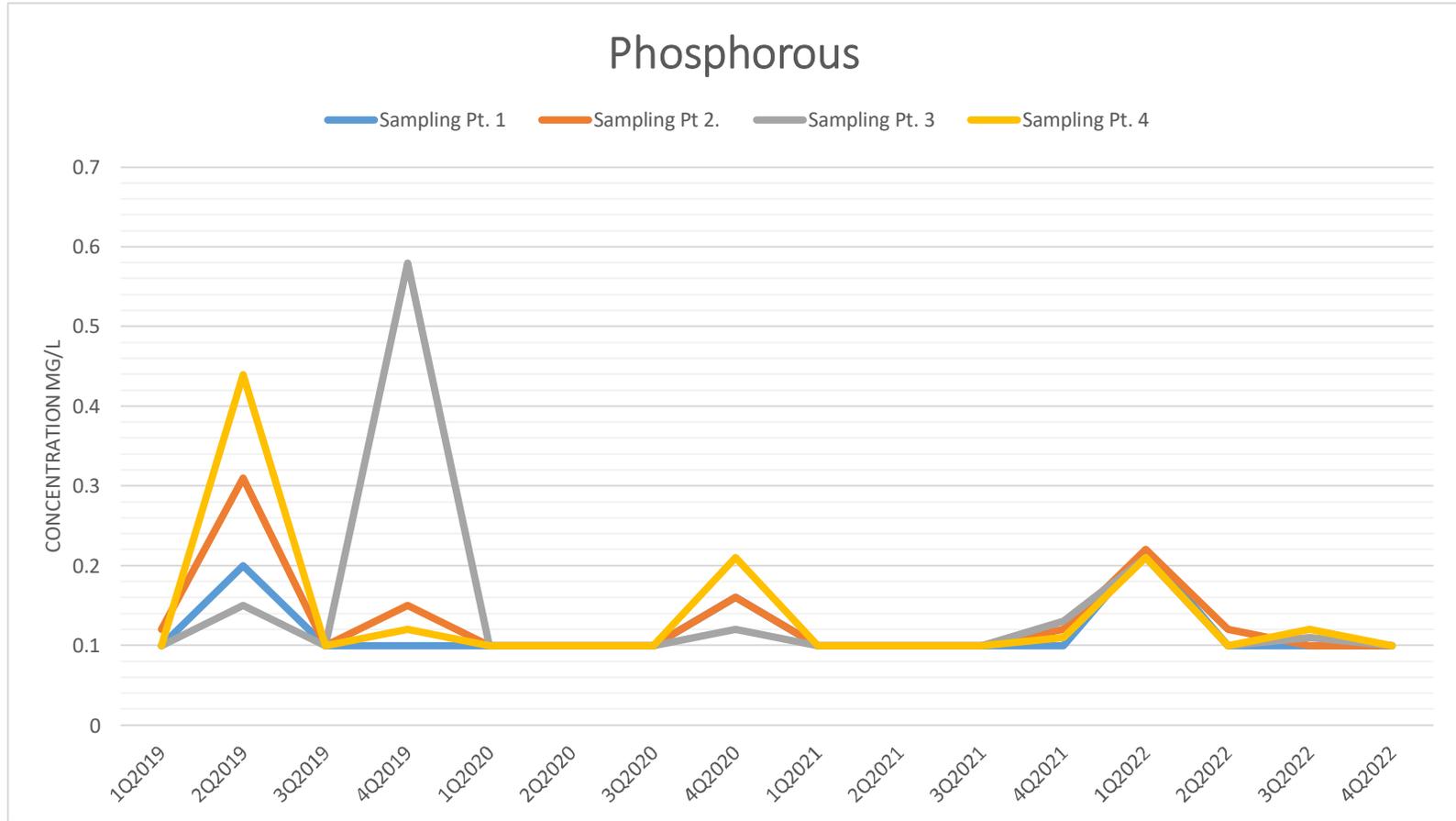
Figure 4
Total Nitrogen
First Quarter 2019 through Fourth Quarter 2022



Note:

Non-detect values are shown at the laboratory reporting limit of 1.0 mg/l

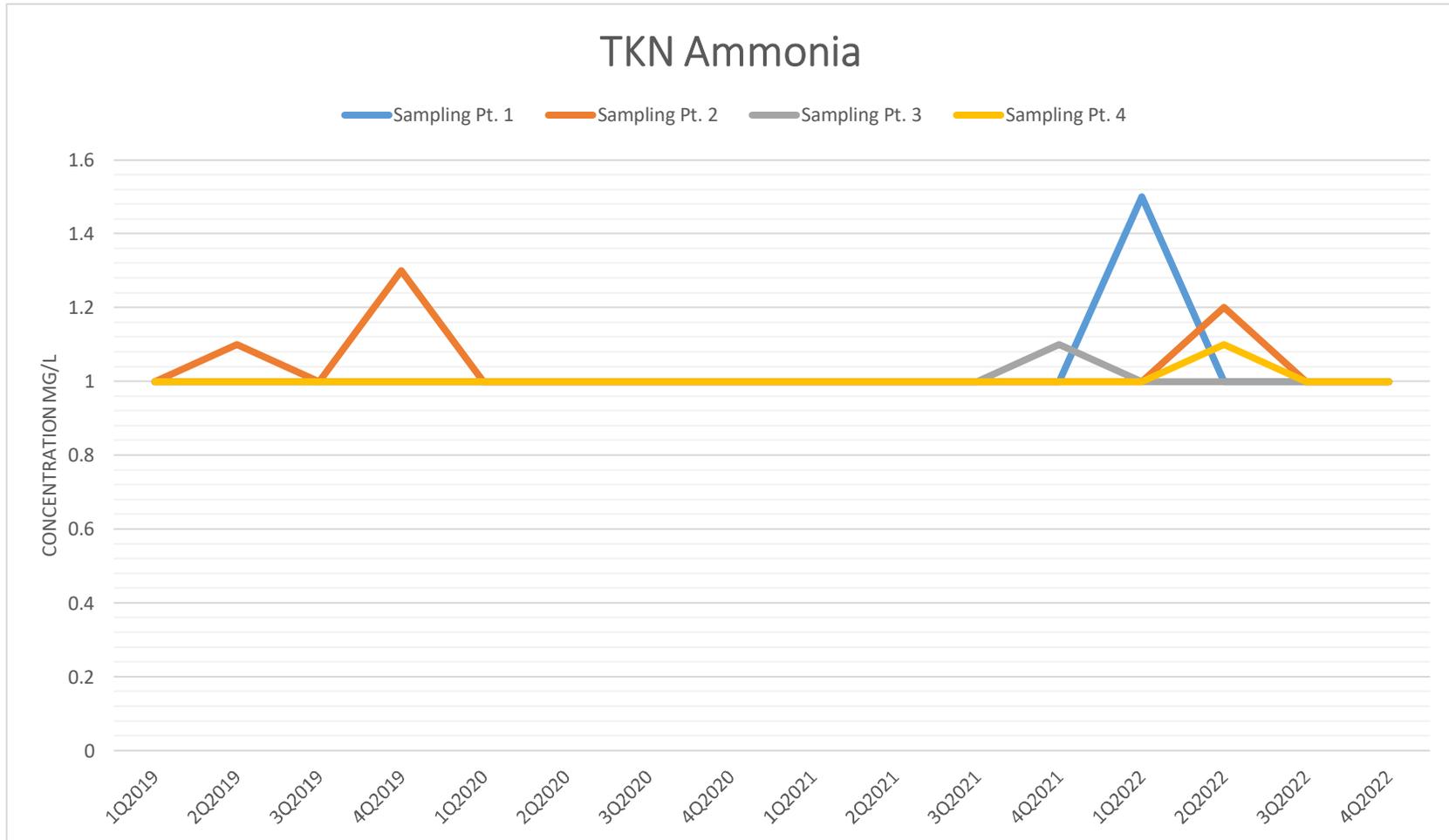
Figure 5
Total Phosphorous
First Quarter 2019 through Fourth Quarter 2022



Note:

Non-detect values are shown at the laboratory reporting limit of 0.1 mg/l

Figure 6
TKN Ammonia
First Quarter 2019 through Fourth Quarter 2022



Note:

Non-detect values are shown at the laboratory reporting limit of 1.0 mg/l

Figure 7
Total Nitrate
First Quarter 2019 through Fourth Quarter 2022

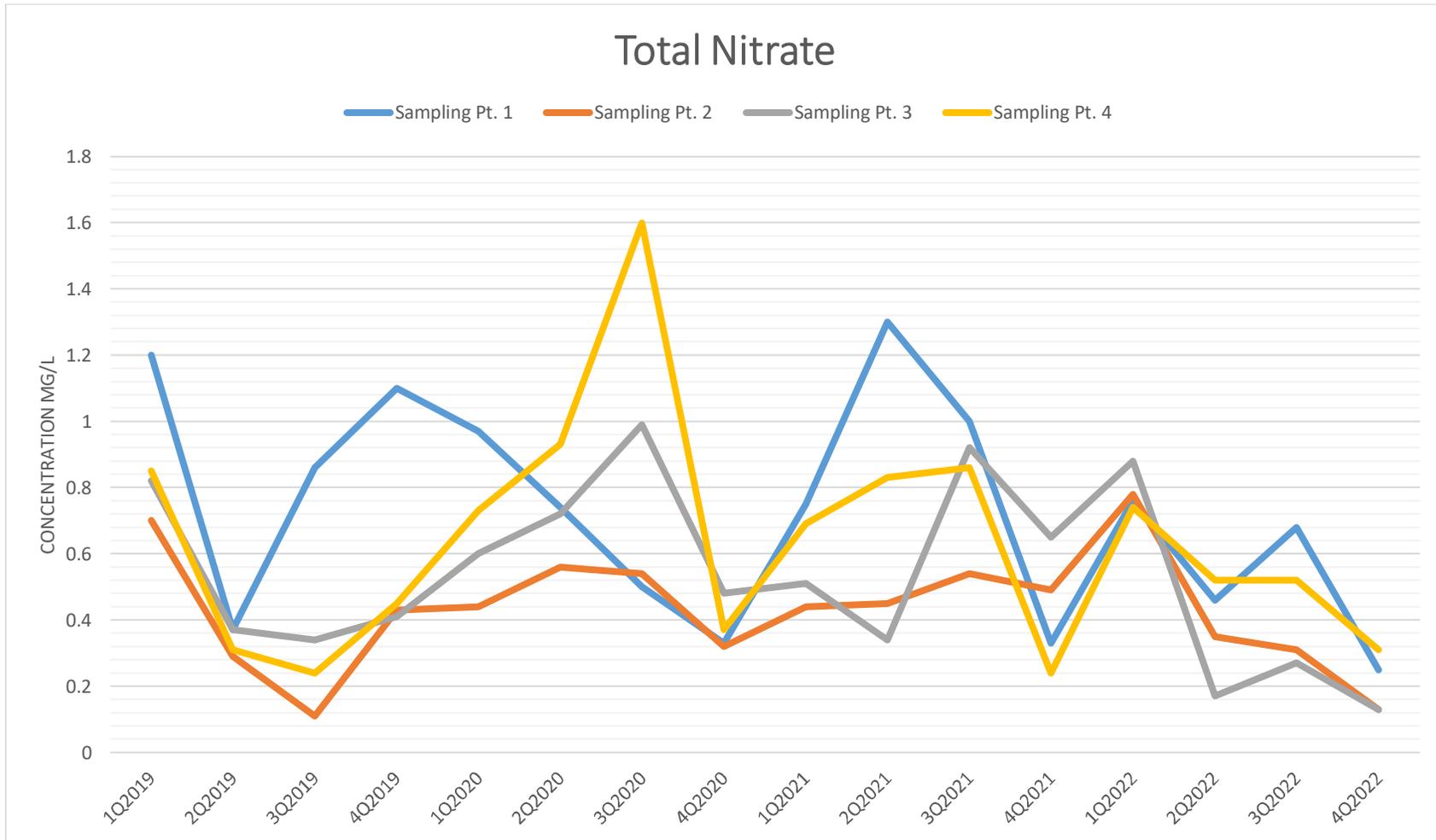


Figure 7A
Total Nitrate Concentration at
Sampling Pt. 1
First Quarter 2019 through Fourth Quarter 2022

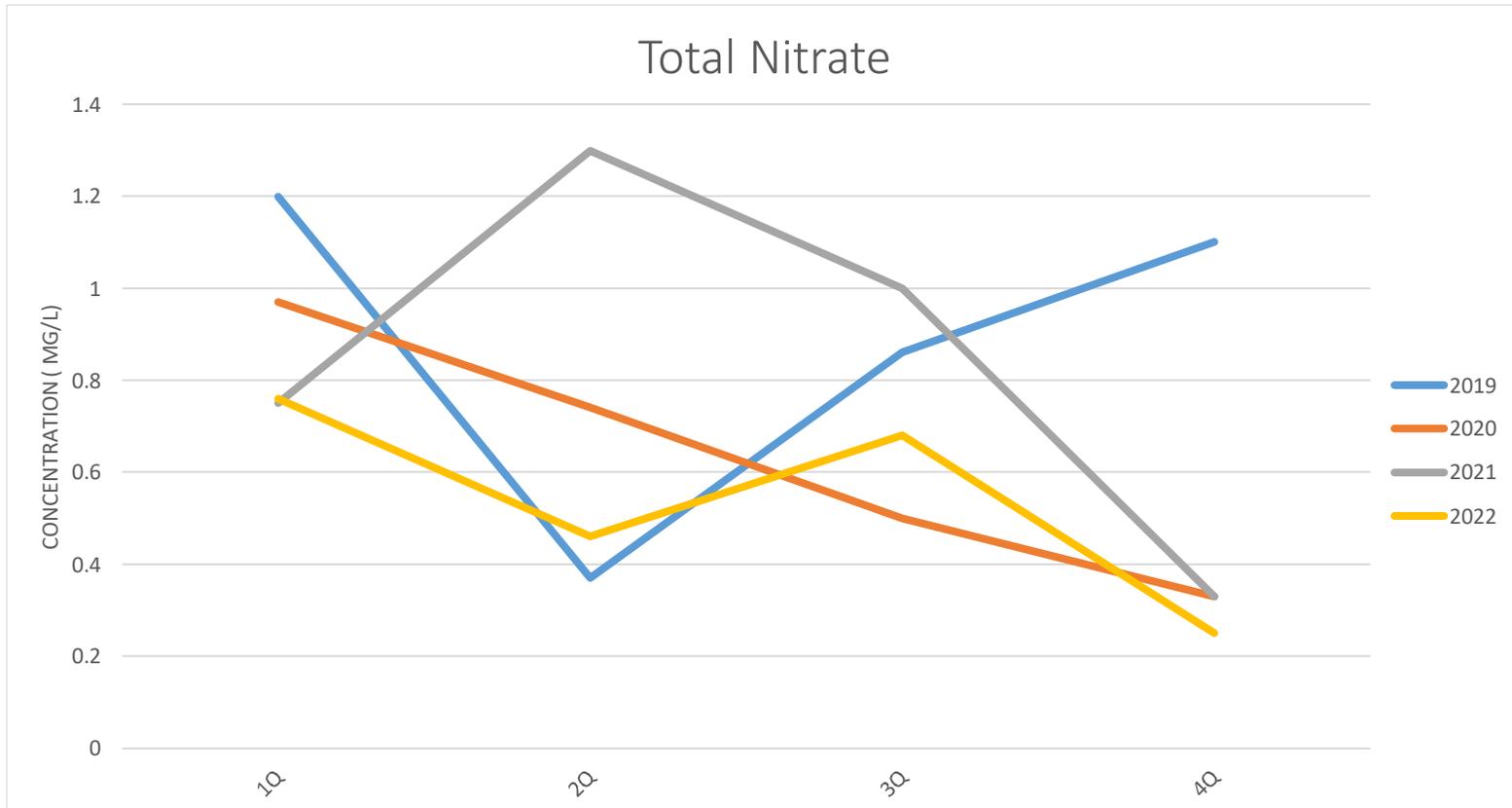


Figure 7B
Total Nitrate Concentration at
Sampling Pt. 2
First Quarter 2019 through Fourth Quarter 2022

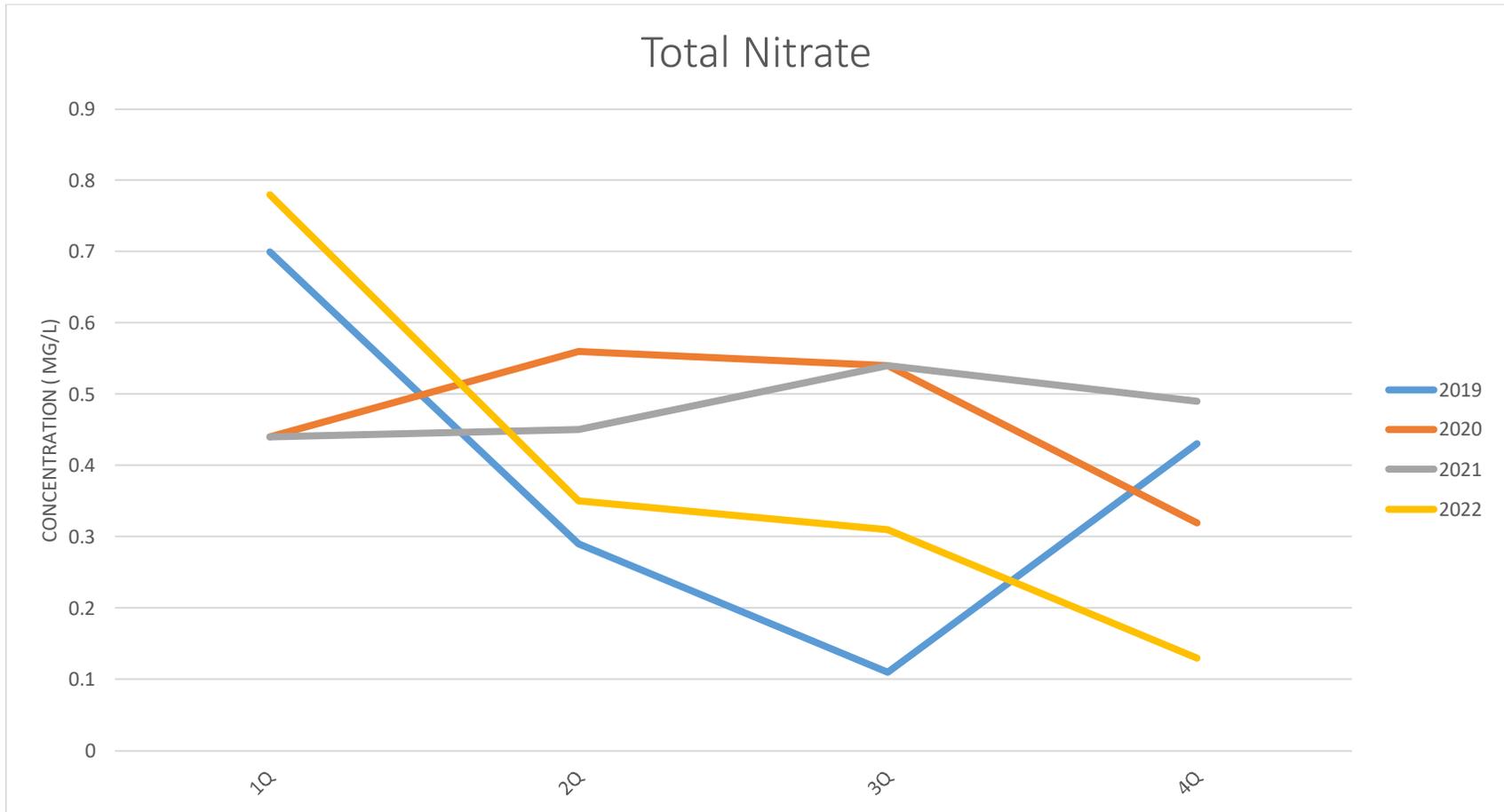


Figure 7C
Total Nitrate Concentration at
Sampling Pt. 3
First Quarter 2019 through Fourth Quarter 2022

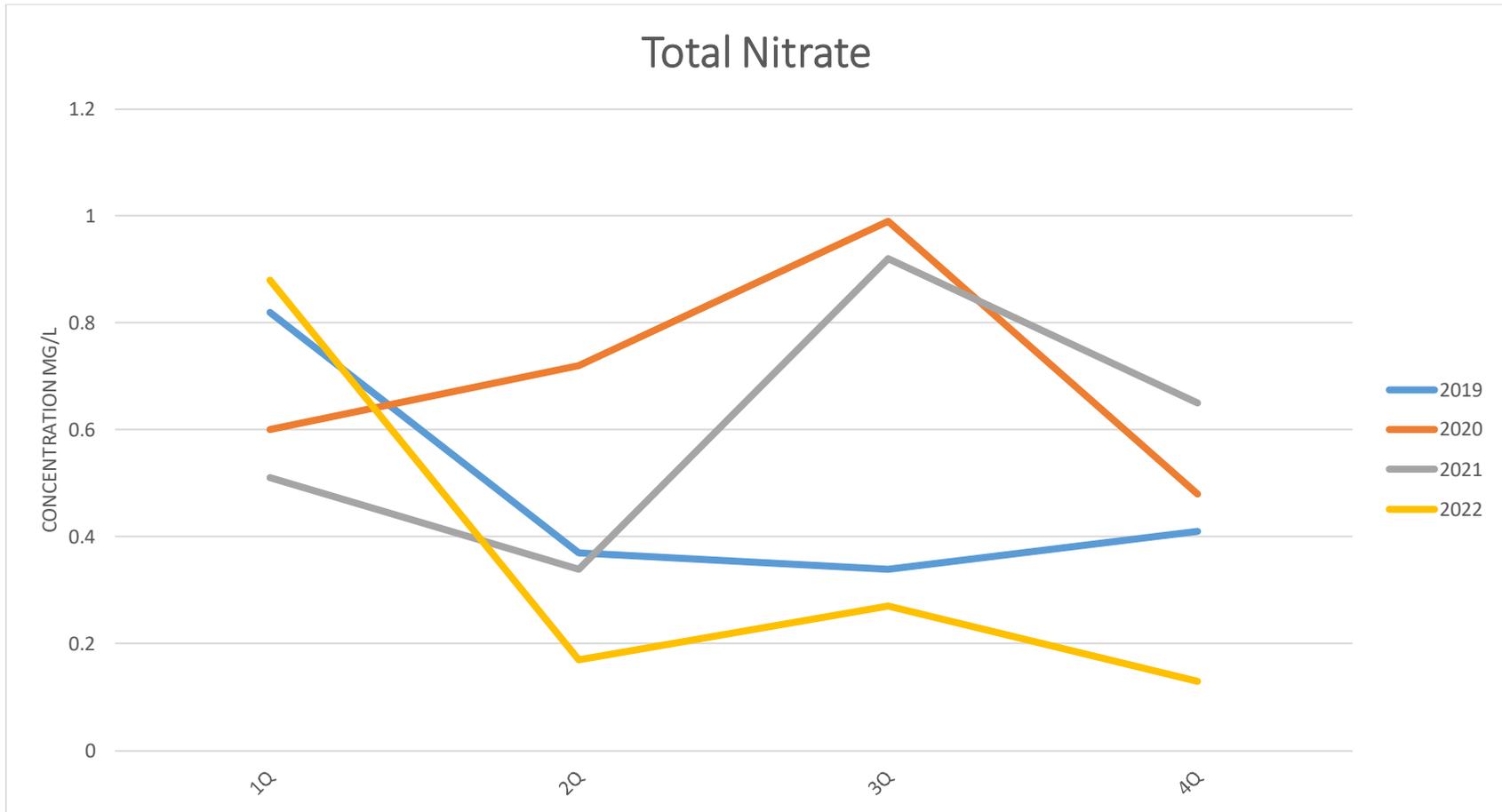


Figure 7D
Total Nitrate Concentration at
Sampling Pt. 4
First Quarter 2019 through Fourth Quarter 2022

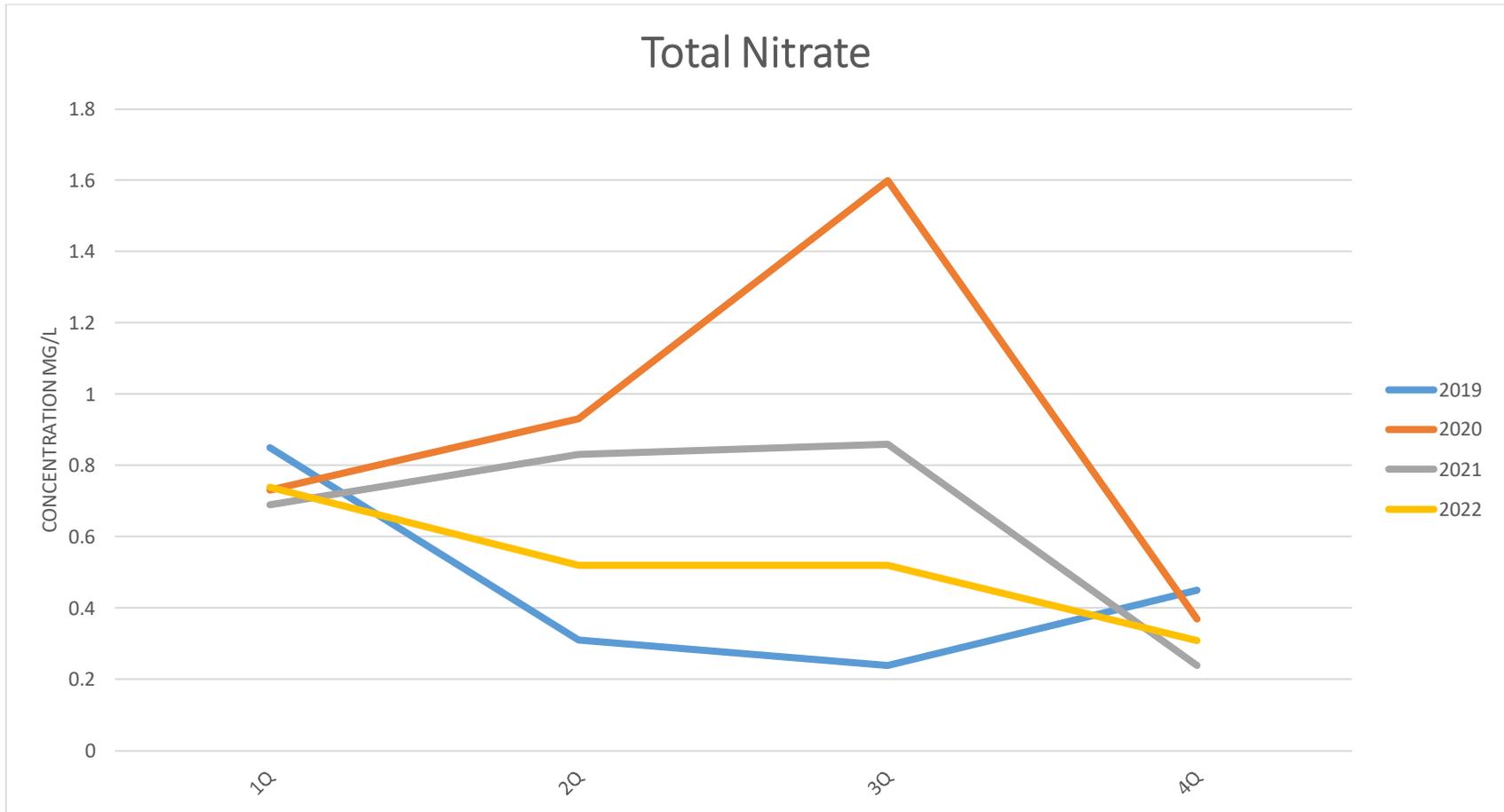


Figure 8
Total Fecal Coliform
First Quarter 2019 through Fourth Quarter 2022

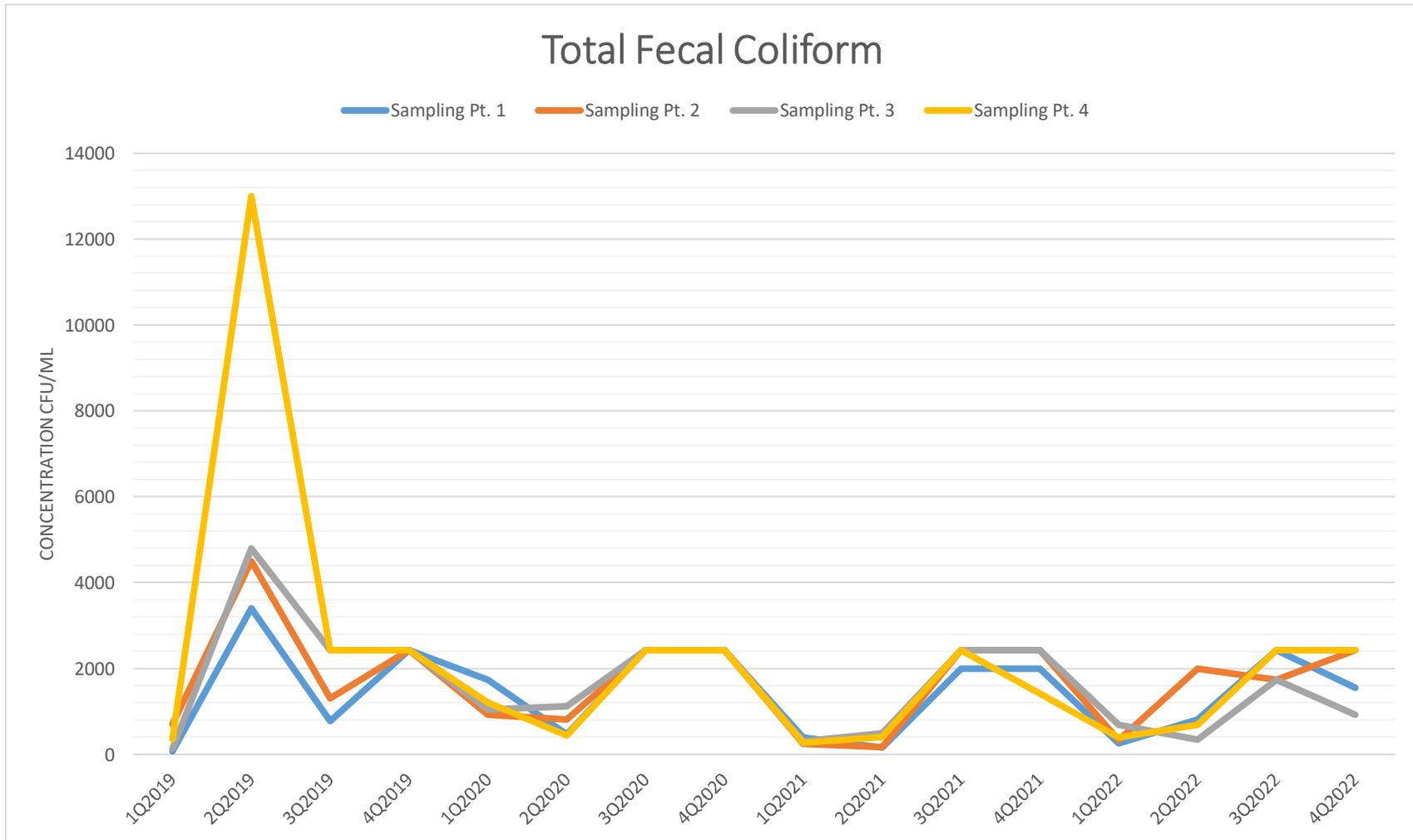


Table 1
Sampling Point 1 Laboratory Analytical Results
First through Fourth Quarters 2022

Parameters	Units	1Q2022	2Q2022	6/6/2022 (Dry)	7/21/2022 (Dry)	3Q2022	9/8/2022 (Dry)	11/21/2022 2 (Dry)	4Q2022	1Q2023
Chloride	mg/L	350	160	180		140			160	220
Oil and Grease	mg/L	<5	<5.1	<5.1		<5.0			<5	<5
Total Suspended Solids (TSS)	mg/L	28	<4	<4		<4			<4	8.8
Total Nitrogen	mg/L	2.2	<1.0	1.6		<1.0			<1	<1
Fecal Coliform	CFU/100 mL	261	816	1410	980	>2420	365	62.4	1550	488
Nitrate/Nitrite	mg/L	0.76	0.46	1.6		0.68			0.25	0.84
Phosphorous Total as P	mg/L	0.22	<0.1	<0.10		<0.10			<0.10	<0.1
Total Kjeldahl-Nitrogen (TKN)	mg/L	1.5	<1.0	<1.0		<1.0			<1.0	<1.0
Precipitation										
Last 24 hours	inch	0.73	0.6	0	0	0.26	0	0	0.74	0.67
Last 48 hours	inch	0.73	0.97	0	0	0.26	0	0	0.74	0.68

Notes:

> = greater than

< = less than

CFU/100 mL = colony forming units per 100 milliliters

mg/L = milligrams per liter

Prepared by: MAW

Checked by: JCG1

Table 2
Sampling Point 2 Laboratory Analytical Results
First through Fourth Quarters 2022

Parameters	Units	1Q2022	2Q2022	6/6/2022 (Dry)	7/21/2022 (Dry)	3Q2022	9/8/2022 (Dry)	11/21/2022 2 (Dry)	4Q2022	1Q2023
Chloride	mg/L	290	150	250		120			180	190
Oil and Grease	mg/L	<5	<5	<5.1		<5.1			<5.1	<5.1
Total Suspended Solids (TSS)	mg/L	31	52	<4		<4.0			<4	22
Total Nitrogen	mg/L	<1.0	1.6	<1		<1.0			<1.0	<1.0
Fecal Coliform	CFU/100 mL	326	1990	411	138	1730	145	46.4	>2420	980
Nitrate/Nitrite	mg/L	0.78	0.35	0.15		0.31			0.13	0.34
Phosphorous Total as P	mg/L	0.22	0.12	<0.1		<0.10			<0.10	<0.1
Total Kjeldahl-Nitrogen (TKN)	mg/L	<1.0	1.2	<1.0		<1.0			<1.0	<1.0
Precipitation										
Last 24 hours	inch	0.73	0.6	0	0	0.25	0	0	0.86	0.5
Last 48 hours	inch	0.73	0.97	0	0	0.25	0		0.86	0.5

Notes:

> = greater than

< = less than

CFU/100 mL = colony forming units per 100 milliliters

mg/L = milligrams per liter

Prepared by: MAW

Checked by: JCG1

Table 3
Sampling Point 3 Laboratory Analytical Results
First through Fourth Quarters 2022

Parameters	Units	1Q2022	2Q2022	6/6/2022 (Dry)	7/21/2022 (Dry)	3Q2022	9/8/2022 (Dry)	11/21/2022 2 (Dry)	4Q2022	1Q2023
Chloride	mg/L	440	310	340		160			240	280
Oil and Grease	mg/L	<5	<5	<5		<5.1			<5	<5.0
Total Suspended Solids (TSS)	mg/L	8.8	<4	<4		4.8			<4	4.4
Total Nitrogen	mg/L	1.9	<1.0	<1.0		<1.0			<1.0	<1.0
Fecal Coliform	CFU/100 mL	687	345	1300	687	1730	135	18.7	921	866
Nitrate/Nitrite	mg/L	0.88	0.17	0.4		0.27			0.13	0.32
Phosphorous Total as P	mg/L	0.21	<0.1	<0.10		0.11			<0.10	<0.1
Total Kjeldahl-Nitrogen (TKN)	mg/L	1	<1.0	<1.0		<1.0			<1.0	<1.0
Precipitation										
Last 24 hours	inch	0.73	0.6	0	0	0.25	0	0	0.86	0.5
Last 48 hours	inch	0.73	0.97	0	0	0.25	0		0.86	0.5

Notes:

> = greater than

< = less than

CFU/100 mL = colony forming units per 100 milliliters

mg/L = milligrams per liter

Prepared by: MAW

Checked by: JCG1

Table 4
Sampling Point 4 Laboratory Analytical Results
First through Fourth Quarters 2022

Parameters	Units	1Q2022	2Q2022	6/6/2022 (Dry)	7/21/2022 (Dry)	3Q2022	9/8/2022 (Dry)	11/21/2022 2 (Dry)	4Q2022	1Q2023
Chloride	mg/L	350	160	210		120			130	140
Oil and Grease	mg/L	<5	<5.1	<5		<5.1			<5.1	<5.1
Total Suspended Solids (TSS)	mg/L	23	12	<4		380			<4	8
Total Nitrogen	mg/L	<1	1.6	<1.0		<1.0			<1.0	<1.0
Fecal Coliform	CFU/100 mL	387	687	345	816	2420	345	308	>2420	>2420
Nitrate/Nitrite	mg/L	0.74	0.52	0.86		0.52			0.31	0.44
Phosphorous Total as P	mg/L	0.21	<0.1	0.1		0.12			<0.10	<0.1
Total Kjeldahl-Nitrogen (TKN)	mg/L	<1.0	1.1	<1.0		<1.0			<1.0	<1.0
Precipitation										
Last 24 hours	inch	0.73	0.6	0	0	0.41	0	0	0.87	0.4
Last 48 hours	inch	0.73	0.97	0	0	0.41	0		0.87	0.4

Notes:

> = greater than

< = less than

CFU/100 mL = colony forming units per 100 milliliters

mg/L = milligrams per liter

Prepared by: MAW

Checked by: JCG1



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	09-17-2002	
Sampling Location Point:	Sample Pt 1	
Sampling Personnel:	Dakota Ludwig	
Conditions of Sampling Point Location		

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	high volume	
	normal flow	
	no debris	
	Last 24 hours	Last 48 hours
Precipitation:	0.73"	0.73"
Current Outdoor Air Temperature:	32°F	
Current Weather Conditions:	Cloudy, Wind N 19 mph	

Water Sample Observations		
Odor:	none	
Appearance:		
Color:	brown	
Turbidity:	moderate	
Other:		

Additional Information/Comments

TOS 0950



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	02-17-2022	
Sampling Location Point:	Sample Pt 2	
Sampling Personnel:	Dakota Ludwig	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	v. swift flow	
	milky brn in-site	
	no debris	
	Last 24 hours	Last 48 hours
Precipitation:	0.73"	0.73"
Current Outdoor Air Temperature:	31°F	
Current Weather Conditions:	Cloudy, wind N 17 mph	

Water Sample Observations

Odor:	none
Appearance:	brown
Color:	L
Turbidity:	high
Other:	

Additional Information/Comments

TOS 09:30



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	02-17-2022	
Sampling Location Point:	Sample Pt 3	
Sampling Personnel:	Dakota Ludwig	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Volume seem higher, normal flow no debris	
Precipitation:	Last 24 hours 0.73"	Last 48 hours 0.73"
Current Outdoor Air Temperature:	31°F	
Current Weather Conditions:	Cloudy, wind 15 mph	

Water Sample Observations

Odor:	none
Appearance:	
Color:	lt brn
Turbidity:	some
Other:	

Additional Information/Comments

TOS 09:15



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	02-17-2022		
Sampling Location Point:	Sample Pt 4		
Sampling Personnel:	Dakota Ludwig		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Swift flow	
	no visible debris	
Precipitation:	Last 24 hours	Last 48 hours
	0.73"	0.73"
Current Outdoor Air Temperature:	31°F	
Current Weather Conditions:	Cloudy, wind N 12 mph	

Water Sample Observations

Odor:	none		
Appearance:			
Color:	lt brown		
Turbidity:	moderate		
Other:			

Additional Information/Comments

TAS 0900



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	05-05-2022		
Sampling Location Point:	Sample Point 1		
Sampling Personnel:	Dakota Ladwig & Mark Williams		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Higher level, swift flow, no debris seen	
	upstream	
Precipitation:	Last 24 hours 0.60"	Last 48 hours TE DL 5-5-22 1.02"
Current Outdoor Air Temperature:	54°F	
Current Weather Conditions:	Rain	

Water Sample Observations

Odor:	None
Appearance:	light brown
Color:	"
Turbidity:	Medium
Other:	

Additional Information/Comments

TOS; 11:50



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	05-05-2022	
Sampling Location Point:	Sample Point 2	
Sampling Personnel:	Dakota Ludwig & Mark Williams	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	V. swift flow over rocks, high volume	
	Last 24 hours	Last 48 hours
Precipitation:	0.60"	0.97"
Current Outdoor Air Temperature:	54°F	
Current Weather Conditions:	Rain	

Water Sample Observations

Odor:	Earthy
Appearance:	Milky brown
Color:	"
Turbidity:	high
Other:	

Additional Information/Comments

TDS; 11:30



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	05-05-2022		
Sampling Location Point:	Sample Point 3		
Sampling Personnel:	Dakota Ludwig & Mark Williams		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	High volume, swift flow. Some brush upstream.	
Precipitation:	Last 24 hours	Last 48 hours
	0.60"	0.77"
Current Outdoor Air Temperature:	50°F	
Current Weather Conditions:	Rain / Mist	

Water Sample Observations

Odor:	Earthy
Appearance:	v. light brown
Color:	"
Turbidity:	low
Other:	

Additional Information/Comments

TOS; 09:30



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	05-05-2022		
Sampling Location Point:	Sample Point 4		
Sampling Personnel:	Dakota Ladwig & Mark Williams		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal debris upstream; concrete rubble, tires, some downed trees.	
	Swift Flow	
	Last 24 hours 0.60"	Last 48 hours 0.77"
Precipitation:		
Current Outdoor Air Temperature:	50°F	
Current Weather Conditions:	Rain / Mist	

Water Sample Observations

Odor:	Earthy		
Appearance:	v. light brown		
Color:	"		
Turbidity:	low		
Other:			

Additional Information/Comments

TOS; 09:20



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	07/25/2022	
Sampling Location Point:	Sample Pt 1	
Sampling Personnel:	Mark Williams and Dakota Ladwig	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	no visible debris	
Precipitation:	Last 24 hours 0.26'	Last 48 hours 0.26"
Current Outdoor Air Temperature:	82°	
Current Weather Conditions:	P. Cloudy	

Water Sample Observations

Odor:	none
Appearance:	clear
Color:	v. lt brn
Turbidity:	low
Other:	

Additional Information/Comments

TOS 1220

PRISM weather station "PEORIA-RGHAWLEY"



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	07/25/2022
Sampling Location Point:	Sample Pt 2
Sampling Personnel:	Mark Williams and Dakota Ladwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	low level, low → moderate flow	
	no visible debris	
Precipitation:	Last 24 hours 0.25"	Last 48 hours 0.25"
Current Outdoor Air Temperature:	85°F	
Current Weather Conditions:	P. cloudy	

Water Sample Observations

Odor:	none
Appearance:	clear
Color:	lt brn
Turbidity:	low
Other:	

Additional Information/Comments

TOS 1200

PRISM weatherstation "PEORIA-RGPWF"



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	07/25/2022	
Sampling Location Point:	Sample Pt 3	
Sampling Personnel:	Mark Williams and Dakota Ladwig	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	low level/flow	
Precipitation:	Last 24 hours 0.25"	Last 48 hours 0.25"
Current Outdoor Air Temperature:	85°	
Current Weather Conditions:	P. Cloudy	

Water Sample Observations

Odor:	none
Appearance:	clear
Color:	lt brn
Turbidity:	Moderate
Other:	

Additional Information/Comments

TOS 1135

PRISM weather station "PEORIA-RGPWF"



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	07/25/2022	
Sampling Location Point:	Sample Pt 4	
Sampling Personnel:	Mark Williams and Dakota Ladwig	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	low level, moderate flow	
	normal debris	
Precipitation:	Last 24 hours 0.41"	Last 48 hours 0.41'
Current Outdoor Air Temperature:	82°F	
Current Weather Conditions:	P. Cloudy	

Water Sample Observations

Odor:	none
Appearance:	clear
Color:	lt brown
Turbidity:	low - moderate
Other:	

Additional Information/Comments

TOS: 1100



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	11/28/2022
Sampling Location Point:	Sample Pt 1
Sampling Personnel:	Dakota Ladwig & Mark Williams

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	medium water level	
	moderate flow	
Precipitation:	Last 24 hours	Last 48 hours
	0.74"	0.74"
Current Outdoor Air Temperature:	50°F, M. Cloudy, wind S 0-5mph	
Current Weather Conditions:		

Water Sample Observations

Odor:	low
Appearance:	lt brn
Color:	"
Turbidity:	moderate
Other:	

Additional Information/Comments

Weather Station: PRISM "Peoria-IGHAWLEY"

TOS: 11:15 AM



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	11/28/2022		
Sampling Location Point:	Sample Pt 2		
Sampling Personnel:	Dakota Ladwig & Mark Williams		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	low water level	
	moderate flow	
Precipitation:	Last 24 hours 0.86"	Last 48 hours 0.86"
Current Outdoor Air Temperature:	47°F	
Current Weather Conditions:	M. Cloudy, Wind S 0-5mph	

Water Sample Observations

Odor:	low
Appearance:	light brown
Color:	''
Turbidity:	moderate
Other:	

Additional Information/Comments

Weather Station: PRISM "Peoria-RGPWF"

TOS; 11:00



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	11/28/2022		
Sampling Location Point:	Sample Pt 3		
Sampling Personnel:	Dakota Ladwig & Mark Williams		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	low water levels	
	moderate flow	
Precipitation:	Last 24 hours	Last 48 hours
	0.86"	0.86"
Current Outdoor Air Temperature:	45°F	
Current Weather Conditions:	M. Cloudy, Wind S 0-5 mph	

Water Sample Observations

Odor:	low
Appearance:	light brown
Color:	''
Turbidity:	moderate
Other:	

Additional Information/Comments

Weather Station: PRISM "Peoria - RG PWF"

TOS: 10:40 AM



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	11/28/2022		
Sampling Location Point:	Sample Pt 4		
Sampling Personnel:	Dakota Ladwig & Mark Williams		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	low water level	
	moderate flow	
Precipitation:	Last 24 hours 0.87"	Last 48 hours 0.87"
Current Outdoor Air Temperature:	42°F	
Current Weather Conditions:	M. Cloudy, Wind S 0-5 mph	

Water Sample Observations

Odor:	low
Appearance:	light brown
Color:	" "
Turbidity:	moderate
Other:	

Additional Information/Comments

Weather Station: PRISM "Peoria-RGBRADLEY"

TOS: 10:10 AM



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	06/06/2022
Sampling Location Point:	Sample Pt 1
Sampling Personnel:	Mark Williams & Dalesta Ludwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	v. low water level, slow flow	
Precipitation: *	Last 24 hours 3 days 0"	Last 48 hours 7 days 0.02"
Current Outdoor Air Temperature:	88°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	None
Appearance:	v. clear
Color:	none
Turbidity:	v. low
Other:	

Additional Information/Comments

TOS 12:55

* Via PRISM "Peoria - RGHAWLEY"

Dry weather background



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	06/06/2022
Sampling Location Point:	Sample Pt 2
Sampling Personnel:	Mark Williams & Dakota Ludwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	v. low water level, v. slow flow	
Precipitation:*	Last 24 hours 3 days 0"	Last 48 hours 7 days 0.04"
Current Outdoor Air Temperature:	88°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	None
Appearance:	Clear
Color:	None
Turbidity:	v. low
Other:	

Additional Information/Comments

	TOS 1235
	* Via PRISM "PEORIA_RGPWF"
	Dry weather background



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	06/06/2022
Sampling Location Point:	Sample Pt 3
Sampling Personnel:	Mark Williams & Dakota Ludwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	low water level, low flow rate	
Precipitation: *	Last 24 hours - 3 days 0"	Last 48 hours 7 days 0.04"
Current Outdoor Air Temperature:	88°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	None
Appearance:	Clear
Color:	v. light brown
Turbidity:	low
Other:	

TOS 12:20

Additional Information/Comments

* Via PRISM "PEORIA - RG PWF"

Dry weather background



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	06/06/2022
Sampling Location Point:	Sample Pt 4
Sampling Personnel:	Mark Williams & Dakota Ludwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	v. low level, v. low flow rate	
	Last 24 hours 3 days	Last 48 hours 7 days
Precipitation: *	0"	0.11"
Current Outdoor Air Temperature:	87°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	None
Appearance:	Clear
Color:	None
Turbidity:	v. low
Other:	

Additional Information/Comments

TOS 1205

* Via PRISM "PEORIA-RGBRADLEY"

Dry weather background



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	07/21/2022
Sampling Location Point:	Sample Pt 1
Sampling Personnel:	Dakota Ludwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	v. low flow/level	
	no visible debris upstream	
	Last 24 hours 3 days	Last 48 hours 7 days
Precipitation:	0"	0.52"
Current Outdoor Air Temperature:	92°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	none
Appearance:	clear
Color:	none
Turbidity:	v. low
Other:	

Additional Information/Comments

TOS ; 11:55

* Via PRISM "Peoria - RG HAWLEY"

Dry Weather Background



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	07/21/2022
Sampling Location Point:	Sample Pt 2
Sampling Personnel:	Dakota Ludwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	v. low level / flow	
	no debris visible	
Precipitation:	Last 24 hours 3 days 0.09"	Last 48 hours 7 days 0.50"
Current Outdoor Air Temperature:	94°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	none
Appearance:	clear
Color:	none
Turbidity:	v. low
Other:	

Additional Information/Comments

TOS ; 11:40

* Via PRISM "Peoria - RGPWF"

Dry weather Background



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	07/21/2022		
Sampling Location Point:	Sample Pt 3		
Sampling Personnel:	Dalesta Ludwig		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	v. low flow / level	
	No visible debris	
Precipitation:	Last 24 hours 3 days 0.09"	Last 48 hours 7 days 0.50"
Current Outdoor Air Temperature:	93°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	none
Appearance:	clear
Color:	none
Turbidity:	v. low
Other:	

Additional Information/Comments

TOS: 11:20 AM
 * Via PRISM "Peoria - RGPWF"

Dry Weather Background



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	07/21/2022		
Sampling Location Point:	Sample PE 4		
Sampling Personnel:	Dakota Ladwig		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	V. low water level	
	usual concrete & tire upstream	
Precipitation:	Last 24 hours 3 day 0"	Last 48 hours 7 day 0.43"
Current Outdoor Air Temperature:	91° F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	Earthy
Appearance:	Clear
Color:	1"
Turbidity:	v. low
Other:	

Additional Information/Comments	TOS 11:05
	* Via PRISM "Peoria - RGBRADLEY"
	Dry Weather Background



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	09/08/2022
Sampling Location Point:	Sample Pt 1
Sampling Personnel:	Dakota Ladwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal conditions	
	low water level	
Precipitation:	Last 24 hours 3 days 0.00"	Last 48 hours 7 days 0.00"
Current Outdoor Air Temperature:	75°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	none
Appearance:	clear
Color:	none
Turbidity:	none
Other:	

Additional Information/Comments

PRISM Weather Station "PEORIA-RGHAWLEY"
 Dry weather sample
 TOS: 1135



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	09/08/2022		
Sampling Location Point:	Sample Pt 2		
Sampling Personnel:	Dakota Ladwig		

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal conditions	
	Low water level	
Precipitation:	Last 24 hours 3 days	Last 48 hours 7 days
	0.00"	0.00"
Current Outdoor Air Temperature:	75°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	none
Appearance:	v. lt brown
Color:	1"
Turbidity:	low
Other:	

Additional Information/Comments

PRISM Weather Station "PEORIA_RGPWF"
 Dry weather sample
 TOS 11:20



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	09/08/2022	
Sampling Location Point:	Sample Pt 3	
Sampling Personnel:	Dakota Ladwig	

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal conditions	
	low water level	
Precipitation:	Last 24 hours 3 days 0.00"	Last 48 hours 7 days 0.00"
Current Outdoor Air Temperature:	74°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	None
Appearance:	v. lt brown
Color:	"
Turbidity:	low
Other:	

Additional Information/Comments

PRISM Weather Station "PEORIA_RGPWF"
 Dry weather sample
 TOS 11:05



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	09/08/2022
Sampling Location Point:	Sample Pt 4
Sampling Personnel:	Dakota Ladwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	More trash (plastic bags, bottles, etc.) in addition to normal tires & concrete debris	
	low water level	
Precipitation:	Last 24 hours 3 days 0.00"	Last 48 hours 7 days 0.18"
Current Outdoor Air Temperature:	73°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	none
Appearance:	v. lt brn
Color:	"
Turbidity:	low
Other:	

Additional Information/Comments

PRISM weather station "PEORIA-RGBRADLEY"
 Dry weather sample
 TOS 1045
 Bradley Park Stormwater site checked, dry



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling		
Date:	11-21-2022		
Sampling Location Point:	Sample Pt 1		
Sampling Personnel:	Dakota Ladwig ; Mark Williams		
Conditions of Sampling Point Location			
Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal debris, frozen upstream		
	Water level low, v. slow rate of flow		
Precipitation:	Last 24 hours 3 days	Last 48 hours 7 days	
	0.00"	0.18"	
Current Outdoor Air Temperature:	48°F		
Current Weather Conditions:	Sunny, wind SW 10 mph		
Water Sample Observations			
Odor:	Algae		
Appearance:	M. Clear		
Color:	None		
Turbidity:	Moderate		
Other:			
Additional Information/Comments	Dry weather background, Fecal only		
	Rain Gauge : "PEORIA-AGHAWLEY"		
	TOS; 11:25 AM		



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	11-21-2022	
Sampling Location Point:	Sample Pt 2	
Sampling Personnel:	Dakota Ladwig & Mark Williams	
Conditions of Sampling Point Location		
Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal debris upstream	
	v. low water level, low flow rate	
Precipitation:	Last 24 hours 3 days	Last 48 hours 7 days
	0.00"	0.25"
Current Outdoor Air Temperature:	46°F	
Current Weather Conditions:	Sunny, Wind SW 10 mph	
Water Sample Observations		
Odor:	None	
Appearance:	W. Clear	
Color:	None	
Turbidity:	Moderate	
Other:		
Additional Information/Comments	Weather Station; PRISM "PEORIA-RG PWF"	
	Dry weather background, fecal only	
	TOS; 10:55 AM	



Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	11-21-2022	
Sampling Location Point:	Sample Pt 3	
Sampling Personnel:	Dakota Ladwig & Mark Williams	
Conditions of Sampling Point Location		
Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Slightly frozen upstream	
Precipitation:	Last 24 hours 3 days	Last 48 hours 7 days
	0.00"	0.25"
Current Outdoor Air Temperature:	38°F	
Current Weather Conditions:	Sunny, Wind SW 10mph	
Water Sample Observations		
Odor:	none	
Appearance:	clear	
Color:	none	
Turbidity:	low	
Other:		
Additional Information/Comments	Dry weather background, fecal only	
	Weather Station; PRISM "PEORIA - RG PWF"	
	TOS; 10:40 AM	

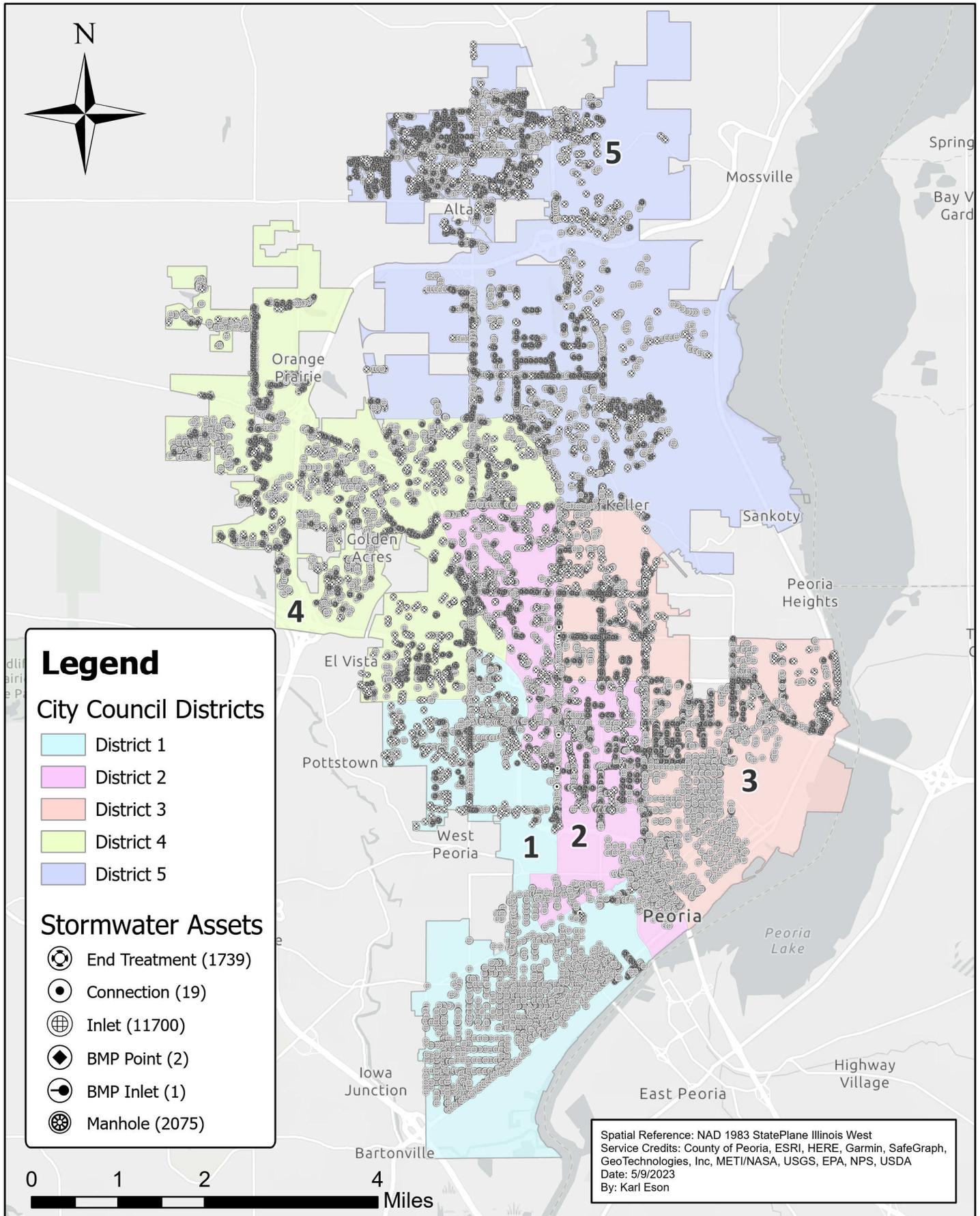


Storm Water Sample Collection Form

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	11-21-2022	
Sampling Location Point:	Sample Pt 4	
Sampling Personnel:	Dakota Ladwig & Mark Williams	
Conditions of Sampling Point Location		
Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Normal debris	
	v. low water level & flow	
Precipitation:	Last 24 hours 3 days 0.00"	Last 48 hours 7 days 0.22"
Current Outdoor Air Temperature:	38°F	
Current Weather Conditions:	Sunny, Wind SW 10 mph	
Water Sample Observations		
Odor:	none	
Appearance:	clear	
Color:	none	
Turbidity:	low	
Other:		
Additional Information/Comments	Dry weather background, fecal only	
	PRISM Weather Station: "PEORIA-RGBRADLEY"	
	TOS; 10:30 AM	

APPENDIX D - DRAINAGE SYSTEM MAPPING

Mapped Stormwater Assets



APPENDIX E - OUR WATER, OUR WAY

2018

OUR WATER, OUR WAY

Peoria must address problems caused by wet weather.
Let's choose solutions that add beauty, save money and
protect our beloved waterways.



LEARN THE ISSUES

After a storm or snowmelt, where does the water go? Peoria is facing major problems as a result of how the water currently drains.

AGING INFRASTRUCTURE

When infrastructure fails, it can pose a major safety threat to citizens. Due to funding constraints, the city does not know the safety condition of miles of underground storm sewers.

To save taxpayers money and keep citizens safe, we must extend the life of our existing infrastructure and make repairs before they become costly emergencies.

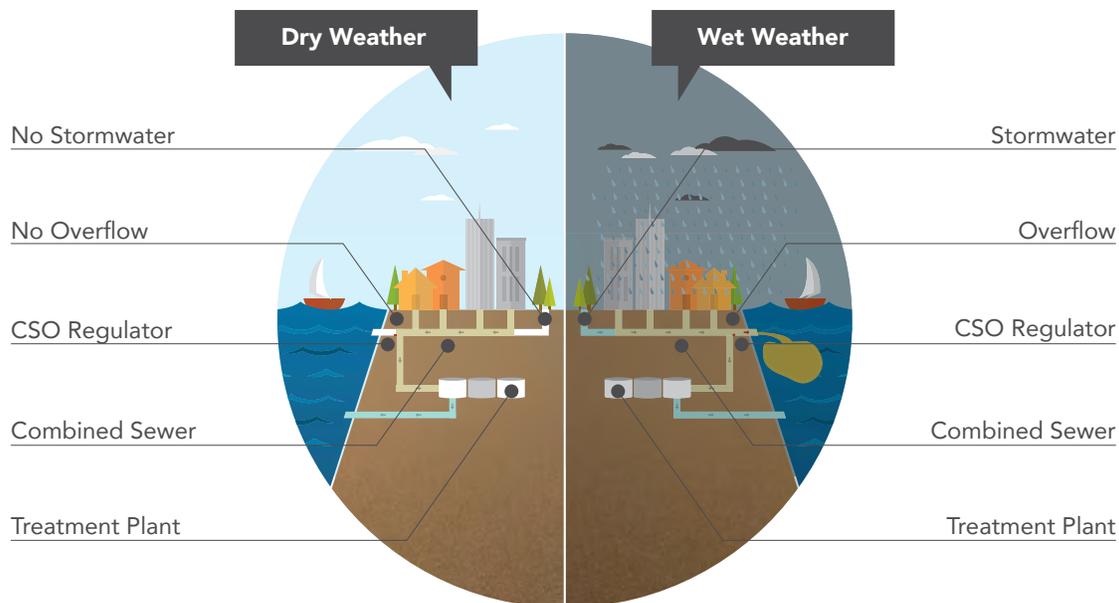
GROWING LIST OF PROBLEMS TO FIX

Public Works has received nearly **1,250 citizen service requests** for drainage related issues since 2014. Due to funding constraints, Peoria has not been able to keep up with maintenance and upgrades.

As of October 2017, the total backlog of 400+ stormwater-related projects included 19 high-severity capital projects. The actual funding needed would be up over **\$17 million** if all issues were addressed.

COMBINED SEWER OVERFLOWS (CSOs)

Peoria has combined sewers located in older parts of town carrying both sanitary wastewater and stormwater. While fine in dry weather, combined sewers present risks during wet weather.



During dry weather

All sewage from homes and businesses is sent to the treatment plant by a "regulator," or small dam.

During wet weather

Between 20 & 30 times a year, rain/snow overloads these sewers. They don't have enough capacity to carry wastewater to the treatment plant, so untreated sewage flows into the Illinois River.

CSOs aren't just gross, they are no longer acceptable. Peoria has an unfunded mandate from the U.S. Environmental Protection Agency to dramatically reduce CSOs. We will face major punitive costs if we do not comply.



RETURNING TO NATURE'S WAY

We are forced to address our CSOs and stormwater issues. But this is a great chance as a community to explore solutions and funding streams that are right for us. Let's be trend-setters, go-getters and make a splash as we find innovative solutions for our city.

GOING GREEN

Peoria has a lot of "impervious" surfaces: parking lots, roofs, patios, driveways, etc. These surfaces don't allow rain and snow to easily soak into the ground. With less land available to allow infiltration, more rain and snow runs off into the sewer system or elsewhere.

To reduce combined sewer overflows and slow down the rate at which stormwater rushes to nearby channels, Peoria plans to use more green infrastructure throughout our city. In fact, we want to address CSOs using 100%

green! Rather than building more "gray" infrastructure (like pipes, tanks or tunnels), the city would install features like pervious pavement and rain gardens to prevent stormwater from entering combined sewers in the first place. This would also lessen the stress placed on aging infrastructure.

Other cities are using green infrastructure as part of their CSO plans. Peoria can do even more.

PEORIA COULD BE THE FIRST CITY IN THE NATION TO USE A 100% GREEN SOLUTION TO COMBAT CSOs. GREEN SOLUTIONS INCLUDE:



Rain Gardens



Bumpouts



Green Alleys

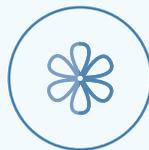
WHY GREEN WORKS



SAVES
MONEY



INVOLVES LOCAL
BUSINESSES



BEAUTIFIES
PUBLIC SPACES



DECREASES
POLLUTANTS

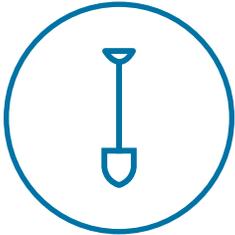


IMPROVES
AIR QUALITY



HOW CAN WE REDUCE POLLUTION IN OUR WATERS?

Stormwater runoff is not treated before it makes its way into local creeks and streams. Rather, rainfall and snowfall pick up whatever chemical compounds and/or trash lie on developed land.



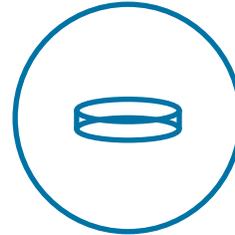
SEDIMENT



CHEMICALS



VEHICLE WASTE



BACTERIA



LITTER

DO YOUR PART

Together we can reduce stormwater runoff and prevent pollution from entering our streams and rivers.

Keep contaminants out of drains, sewers and streams.

NEVER POUR CHEMICALS, cleaning supplies, fats, oils, grease or medicines down the toilet. Small items like bandages or dental floss can also clog pipes.

SWEEP GRASS CLIPPINGS back onto your lawn so they do not get washed into storm drains. Never dump excess dirt or other yard waste into ravines, creek beds or streams.

BE CONSERVATIVE when using pesticides and fertilizer. You can prevent polluted runoff into nearby water resources by opting for greener landscaping maintenance methods.

Capture rainwater.

The more water that runs off your property, the more water the city must divert and manage. Capture rainwater and use it on your lawn by installing rain barrels. You can also direct downspouts and gutters onto your lawn/plant beds. Make your yard thirstier—and prettier—by installing native plants with deep root systems, which hold soil in place.

Minimize impervious surfaces.

Reduce your personal runoff impact and beautify your home by opting for:

PAVERS/BRICKS

POROUS/PERMEABLE CONCRETE

MULCH

GREEN ROOFS

OTHER SUSTAINABLE FEATURES

FUNDING PEORIA'S SUSTAINABLE FUTURE

STORMWATER UTILITY OVERVIEW

A stormwater utility is:



an enterprise fund created to finance wet weather management.



only applicable to wet weather needs.



like a water or electric utility, based on usage (in this case, of the stormwater system).



common – other Illinois cities, like Morton, Bloomington, Champaign and others, also have a stormwater utility.



important for our community to fix and maintain critical infrastructure that could impact public safety.

FAIR & EQUITABLE SOLUTION

A stormwater utility is fair and equitable because:



The fee is based on the amount of stormwater runoff a property contributes to the system.



Property owners may lower their fees by reducing runoff.



Every property, from businesses to schools, churches to homes, participates. All properties contribute runoff, so all properties help fund a responsible solution.



BENEFITS FOR PEORIA

HEALTHIER WATERWAYS & WILDLIFE

Helps Peoria slow, cleanse and recharge groundwater, benefitting people, animals and water sources.

MAINTAIN OUR SYSTEM

Helps Peoria maintain over 150 miles of underground pipes and inlets.

LESS FLOODING

More street sweeping, preventing flooding from pollution-clogged inlets.

EMPLOYMENT OPPORTUNITIES

Will create jobs in construction, design and maintenance.

COMPLETE STREETS

Adding green infrastructure to roads will allow for better water infiltration and can provide a buffer between cars and bike/pedestrian traffic.

FREED UP GENERAL FUND

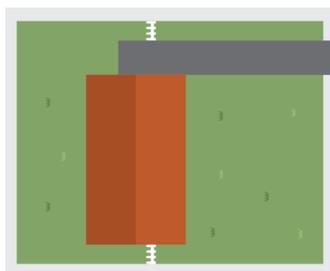
One less competing funding priority lets our city focus on other essentials, such as street repair, fire and police.

HOW THE STORMWATER UTILITY IS CALCULATED

Impervious surface areas, like rooftops, sidewalks, walkways, patio areas, driveways, parking lots and sheds, prevent stormwater from soaking into the ground. Instead, the water flows over the ground as stormwater runoff, which can be very damaging.

The stormwater utility fee is based on the amount of impervious surface area on a property. Each billing unit will be set per 1,000 square feet of impervious area.

Homeowners will also be able to apply for credit and incentives to lessen their bills. Public Works will share details about credits and incentives soon.



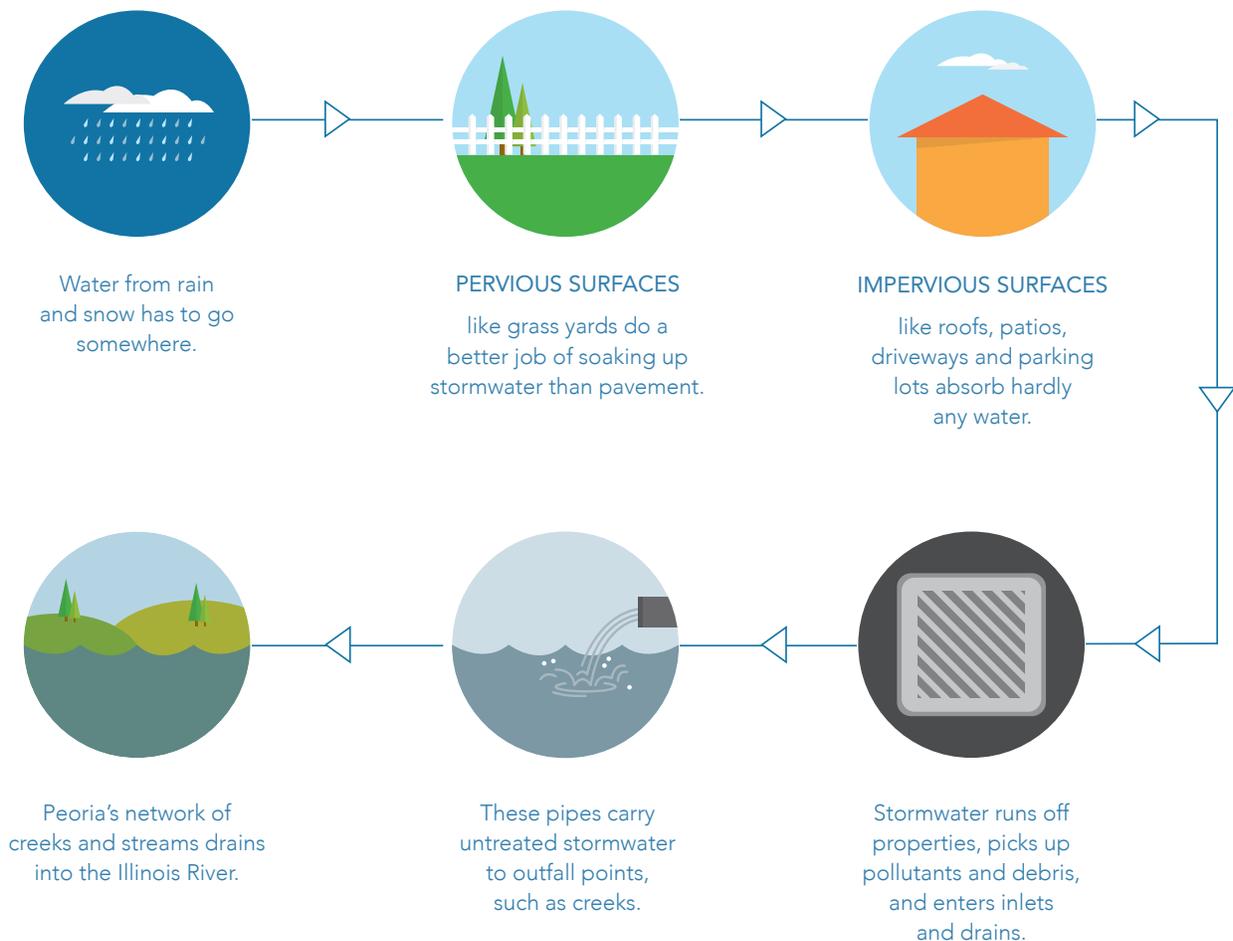
$$\begin{aligned}
 & \text{[Brown Box]} + \text{[Grey Box]} = 2,600 \text{ SF Impervious} \\
 & = 2.6 \text{ Billing Units} \times \$3 \text{ per Billing Unit} \\
 & = \$7.80 \text{ per Month (Average Home)}
 \end{aligned}$$

WILL THIS PAY FOR THE COMBINED SEWER OVERFLOW (CSO) FIX?

The total CSO fix will cost Peoria \$200-250 million. That would be a BIG monthly bill. The stormwater utility will instead pay for a portion of the CSO solution, namely the maintenance of green infrastructure. Green infrastructure is not only good for the combined sewer area, it benefits our whole community. The rest of the CSO funding will likely come from sewer rate increases or tax increases.

PATH OF STORMWATER

Stormwater can take quite the route from the sky to the ground and eventually to the Illinois River. Where the water travels can make a big difference to homeowners and local wildlife alike.



To learn more about the impact of stormwater, please visit peoriastormwater.com

WHAT IS STORMWATER INFRASTRUCTURE?

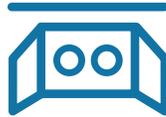
You probably use Peoria's stormwater infrastructure and not even realize it. Stormwater infrastructure is the engineered collection system that drains wet weather, like rain and snowmelt, to nearby waterbodies.



DITCHES



CREEKS



PIPES &
CULVERTS



PONDS &
LAKES



CURBS &
GUTTERS



INLETS &
MANHOLES



WETLANDS



OCEANS



RAIN
GARDENS



BIOSWALES

To learn more about the impact of stormwater, please visit peoriastormwater.com

PROTECTING PEORIA

from POLLUTION

Maybe you're not an engineer just yet.
But you can still do things to help keep our water clean!



DON'T LITTER.

Always remember to "can it" before it goes into the Illinois River. Keeping trash in the garbage can is one of the simplest things you can do to help keep our river clean. Recycle whatever plastics, metal and paper you can.



**CLEAN UP
AFTER PETS.**

When Fido and Fluffy go outside, their waste adds to the problem of stormwater pollution.



**PLANT VEGETATION
ALONG STREAM BANKS.**

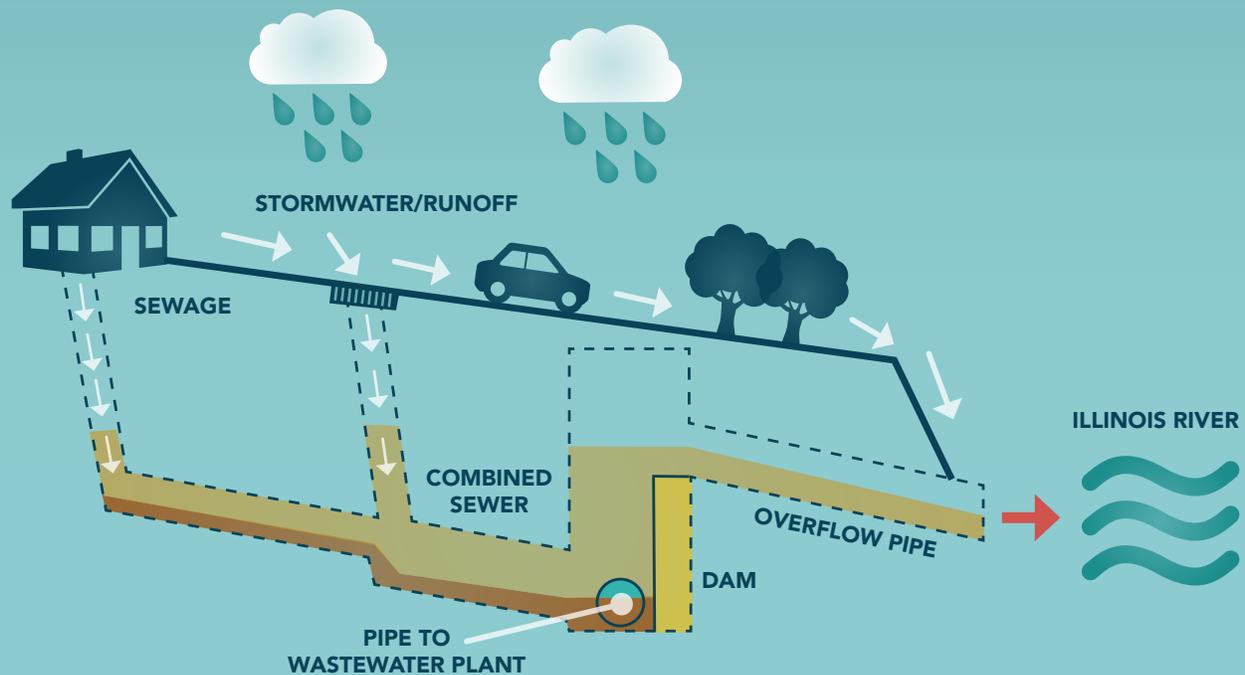
You can ask to organize a project with your school, Scout troop or church to plant things like native grasses and shrubs. The roots from plants keep the soil in place, so it doesn't erode and dirty up the water. Animals like this, too!



**KEEP IT OUT OF
THE DRAIN.**

Never pour chemicals, cleaning supplies or medicines down the toilet. Same thing goes for small items like bandages or dental floss. They can clog pipes and they really add up!

WHERE DOES IT GO WHEN IT OVERFLOWS?



Like many other cities, Peoria built storm sewers in the late 1800s and early 1900s to carry rainwater and melting snow away from homes, businesses and streets. In those horse-and-buggy days, cities didn't have sewage treatment or even indoor plumbing!

When indoor plumbing came later, homeowners and business owners hooked their sewage lines to the existing storm sewers. This combined stormwater/runoff and raw sewage into one pipe. The pipes emptied directly into the Illinois River until the 1930s, when Peoria's sewage treatment plant was built.

During dry weather, a combined sewer system works much like a separate sewer—carrying all sewage including litter to the treatment plant for treatment. However, when it rains or snow melts, the sewers can be overloaded with incoming stormwater.

When rainfall is heavy enough, the sewers don't have enough capacity to carry wastewater to the treatment plant. In these cases, they are designed to overflow into the Illinois River without treatment. (If sewers didn't have this release valve, raw sewage would back up into basements and streets. Gross!)

Today, when building new sewer systems, we build separate sewers for stormwater and sewage. Yet these older combined sewers remain in Peoria and in many older cities throughout the country.

Right now, engineers are coming up with solutions—like using green infrastructure—to help Peoria soak up more rain so it doesn't go down the storm drain.

[DROP BY PEORIALOGV.ORG/PUBLIC-WORKS/COMBINED-SEWER-OVERFLOW](https://www.peoriagov.org/public-works/combined-sewer-overflow) TO LEARN MORE.

== NATURE'S WATER FILTER ==

THE RAIN GARDEN

SOAKS UP AND CLEANS OUR WATER



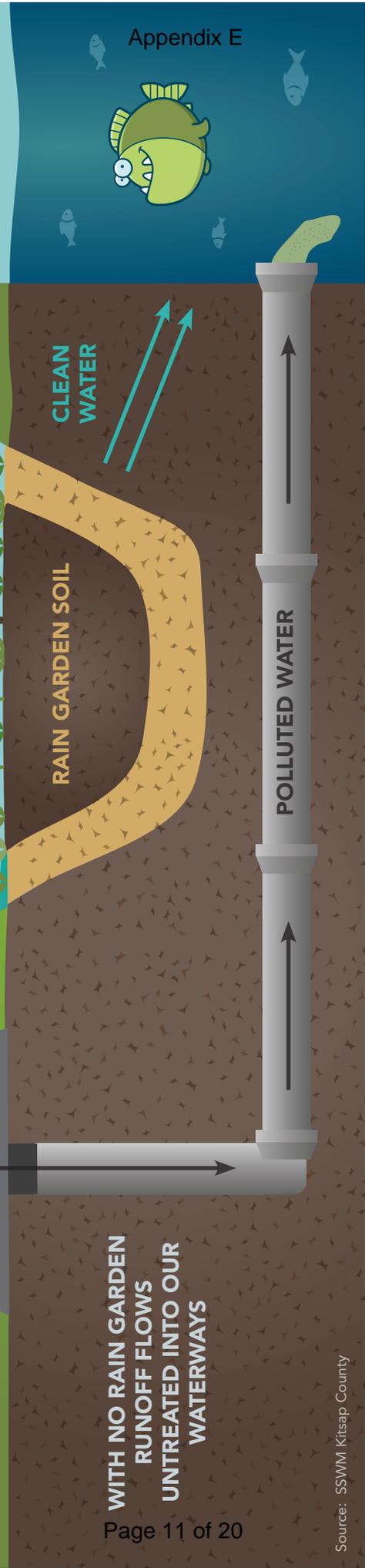
WHAT IS A RAIN GARDEN?

A planted depression that can collect, soak up and filter stormwater runoff from roofs, driveways, streets and parking lots

WHAT ARE THE BENEFITS?

- Reduce flooding
- remove pollutants
- Replenish ground water
- Provide native plants for wildlife

For instructions on how to build your own rain garden please visit: <http://goo.gl/7GZQuM>



WITH NO RAIN GARDEN
RUNOFF FLOWS
UNTREATED INTO OUR
WATERWAYS

CLEAN
WATER

RAIN GARDEN SOIL

POLLUTED WATER

Appendix E



CO-BENEFITS OF GREEN INFRASTRUCTURE



Connections Between People and Places

- Creating physical connections between social infrastructure and public amenities such as schools, museums, community centers, places of worship, grocery stores, medical offices, fitness centers, restaurants and parks
- Creating spaces that foster meaningful contact, provide community identity and draw a diverse population



Safe and Accessible Transportation Infrastructure

- Creating SAFE, ACCESSIBLE AND COMFORTABLE routes for getting from place to place (e.g., safe routes to school, complete streets)
- Creating public spaces that manage stormwater while beautifying streets and neighborhoods



Crime Mitigation

- Creating landscape designs that maintain sight lines, define public and private spaces, control access and calm
- Encouraging residents to spend time outside interacting and building stronger community ties (e.g., pocket parks, community gardens)



Public Health and Wellness

- Creating spaces to promote recreation, fitness and healthy lifestyle choices
- Providing opportunity for improved access to healthy, fresh and whole foods through local production (e.g., community gardens)
- Strengthening community social bonds and associated health outcomes



Ecological Health and Productivity

- Improving air and water quality and providing wildlife habitat and migratory corridors
- Restoring natural hydrologic function (slows, cools, cleanses and recharges groundwater)



Local Jobs and Workforce Training

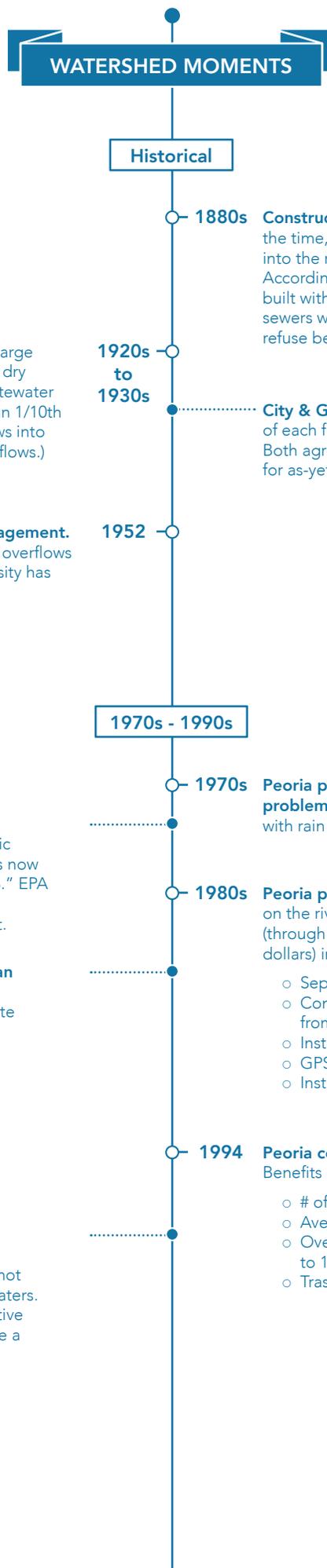
- Providing a scale and scope of design and construction work that can be met by local companies
- Creating a demand for workforce training and education to build capacity for public and private sector jobs



Neighborhood-Scale Economic Development

- Spurring reinvestment and increasing economic activity, including tourism, for nearby businesses
- Increasing surrounding property values by improving public rights-of-way and repurposing vacant/blighted lots

To learn more about green infrastructure and combined sewer overflows, please visit peoriastormwater.com



WATERSHED MOMENTS

Historical

1880s Construction starts on Peoria’s sewer network. Typical for the time, stormwater and sanitary water are discharged directly into the river through the same pipe, called a combined sewer. According to documents, “by 1900, at least 10 sewers had been built with outfalls into the Illinois River. During these early years, sewers were constructed apparently where and when liquid refuse became intolerable.”

1920s to 1930s

Greater Peoria Sanitary & Sewage District forms. A large “interceptor” sewer is built along the riverfront. During dry weather, it delivers sewage to the new Darst Street wastewater treatment plant. During wet weather periods of less than 1/10th of inch of rain, the combined sewer system still overflows into the river at 20 locations. (CSOs = combined sewer overflows.)

City & GPSD sign an agreement defining the responsibilities of each for existing systems and Peoria’s future expansion. Both agree to only build separate sanitary and storm sewers for as-yet-undeveloped areas.

Peoria adopts 1st master plan for wet weather management. It delineates separate storm sewers to relieve flooding, overflows and backups. It explains the effect that impervious density has on runoff.

1952

1970s - 1990s

Federal Clean Water Act created through sweeping amendments to 1948 Water Pollution Control Act. Public awareness of water pollution is growing, and a permit is now required to discharge pollutants into “waters of the U.S.” EPA begins regulating Peoria’s CSOs through a National Pollutant Discharge Elimination System (NPDES) permit.

1970s Peoria prepares a facilities plan to address continued CSO problems. Sewer flow monitors are installed at 10 locations along with rain gauges and wastewater samplers.

A Clean Water Act amendment establishes that urban stormwater conveyance systems are point sources of pollution. NPDES expands to include Municipal Separate Storm Sewer Systems (MS4 for short).

1980s Peoria performs impact study to determine the effect of CSOs on the river and presents findings to Illinois EPA. Starting in 1987 (through 1994), Peoria proactively undertakes about \$10M (in 1980s dollars) in projects to reduce sewer overflows. These include:

- Separating sewers in drainage basins
- Constructing swirl concentrators to remove trash from overflows
- Installing gates to control flow discharged to interceptor
- GPSD treatment plant improvements
- Installing telemetry to monitor sewer flows

U.S. EPA establishes a CSO control policy. This framework compels U.S. municipalities to develop Long-Term Control Plans to ensure that their CSOs do not prevent meeting water quality standards of receiving waters. The policy’s stated principles include finding cost-effective controls, with phased implementation, to accommodate a community’s financial capability.

1994 Peoria completes CSO project improvements. Benefits include reducing:

- # of CSO locations from 20 to 16
- Average days of overflows from 40/year to 28/year
- Overflow volume from estimated 840 million gallon avg. to 160 million gallon avg. in a typical year
- Trash discharging to the Illinois River





NPDES Phase II permit for MS4s applies to Peoria. City submits plan to comply with 6 minimum control measures for storm sewer system O&M.

Peoria's NPDES sanitary sewer permit requires city to develop a Long-Term Control Plan to reduce incidence of CSOs. 20-30 CSO events occur per year, on avg., at 16 locations. Non-compliance will lead to major fines and penalties. Peoria begins developing control plan and performing public outreach.

November. EPA determines Peoria's CSO area is environmentally "sensitive." This mandates a higher level of protection than included in normal CSO control policy. It means CSOs must be eliminated/relocated, to the extent of community affordability.

Peoria explores CSO control plan using all-green infrastructure. With EPA's designation of the Illinois River CSO area as "sensitive"—requiring higher levels of control—City estimates green infrastructure installation could be approx. 2/3 cost of gray.

(December) City Council authorizes a study of ways to fund & manage stormwater infrastructure.

(Spring-Summer) Study of managing Peoria's stormwater infrastructure gets under way. Among other things, it reviews capital improvements, O&M, administrative and regulatory compliance needs. A diverse stakeholder group is invited to join new OneWater Committee; this advisory group examines wet weather system needs and funding options.

(June) City Council begins budget discussions. Stormwater infrastructure and CSO funding needs are among many priorities.

(June 1) Stormwater utility goes into effect, providing Peoria dedicated funding to proactively address wet weather related issues.

2003 Peoria compiles stormwater master plan identifying needs throughout whole city. Nearly 1,000 citizen complaints are documented. It says erosion is threatening houses and other structures. It recommends exploring alternate funding mechanisms to adequately improve and maintain a sustainable stormwater infrastructure.

2008 Public hears 3 options to reduce CSOs. These all involve "gray" infrastructure—building one or more treatment tanks—plus "green" solutions / litter control. At the time, public prefers building 4 tanks along the river at a cost of (in 2008 dollars) \$105M-\$127M. Draft control plan is submitted to EPA.

2009 to 2013 EPA questions Peoria on affordability, saying citizens can afford a control plan of \$500M or more. City analyzes 19 alternate solutions, including sewer separation; City Council hears a preferred option of building 4 storage/treatment tanks + 2 long pipes to the wastewater treatment plant. Negotiations continue in earnest.

Tri-County Regional Planning Commission publishes Stormwater Utility Feasibility Study for 13 participating governmental bodies, including Peoria. The study concludes a user-fee utility approach for funding stormwater management is a viable option for Central Illinois.

2015 (March) Peoria submits draft of 100% green infrastructure CSO control plan to EPA. If approved, it may be nation's 1st all-green solution. The City seeks to employ cost-effective techniques like pervious pavers and natural plantings to keep stormwater from entering combined sewers. This would virtually eliminate CSOs and beautify streetscapes. Current estimate for installing green infrastructure is around \$200M (in 2015 dollars), phased in over a period TBD. The City continues work on a financial model to understand the impacts of the CSO program and to guide planning for anticipated costs. Peoria hopes to partner with EPA on a workable, long-term solution.

2017 (December 5) Peoria City Council approves a stormwater utility. The funding will support wet weather needs.

Today Peoria launches citywide approach. Thanks to the stormwater utility, Peoria responsibly addresses the project backlog and uses green infrastructure to manage stormwater where it falls.



FUNDING A BETTER TOMORROW

Frequently Asked Questions: Stormwater Utility

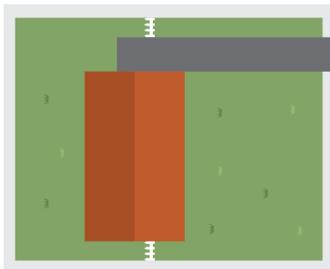
By investing in smart, natural stormwater solutions, we will create a beautiful, sustainable future for Peoria. Learn about the stormwater utility and how it will improve our community.

What is a stormwater utility?

A stormwater utility is an enterprise fund created to finance wet weather management. Similar utilities exist for water, sewer, electricity and other services. Funds raised by the stormwater utility will only apply to wet weather needs and may not be used for any unrelated purposes.

How is the stormwater utility fee calculated?

Impervious surface areas, like rooftops, sidewalks, walkways, patio areas, driveways, parking lots, sheds and more, don't allow stormwater to do what it normally does—soak into the ground. The stormwater utility fee is based on the amount of impervious surface area on a property. Each billing unit will be initially set at \$3 per 1,000 square feet of impervious area.



$$\begin{aligned}
 & \text{Brown Rectangle} + \text{Grey Rectangle} = 2,600 \text{ SF Impervious} \\
 & = 2.6 \text{ Billing Units} \times \$3 \text{ per Billing Unit} \\
 & = \$7.80 \text{ per Month (Average Home)}
 \end{aligned}$$

Homeowners will be able to apply for credits if they are able to successfully manage runoff on their property. More details about credits will come soon.

Why is the stormwater utility based on impervious surface area?

Stormwater runoff directly correlates to the amount of impervious surfaces on a property. Impervious surfaces allow the water to fill up our pipes and streams faster, increasing the potential for street and/or storm system flooding during heavy rains and increasing maintenance and repair requirements of the storm sewer system. Each property owner will pay for the water their property contributes to the system.

How is this fee different from a tax?

Unlike a tax, a utility is a fee for service. Just like we pay water bills for the amount of water we use, or electricity fees for the amount of electricity we use, the stormwater utility fee is based on the impact that a property owner's impervious surface has on the community's stormwater system as a whole. All properties participate. Everyone who uses the system contributes financially.

What do you mean by “stormwater system”?

Many elements make up our stormwater infrastructure, including ditches, creeks, pipes and culverts, ponds and lakes, curbs and gutters, inlets and manholes, wetlands, rain gardens and bioswales. Almost all properties use the stormwater system.

Why was a stormwater utility chosen as the right funding solution?

A stormwater utility fee is the right option for Peoria for a number of reasons:

- » A fair solution: The stormwater utility fee is based on the amount of runoff you contribute to the system. This approach, rather than increasing property or sales tax (which has no relation to the runoff that a property contributes), is the most equitable way to fund the stormwater program.
- » Competition for funds: The City currently funds a portion of stormwater management through the General Fund. The problem is that a lot of important programs are funded through the General Fund, and these different priorities—roads, fire, police—compete with one another. With this dedicated funding stream, we will ensure that the appropriate amount of monetary support and attention is given to our wet weather needs.
- » Accountability and transparency: Because user fees are dedicated to funding specific programs, citizens can see exactly how the City is using the revenues that are collected.

What does the stormwater utility fund?

The stormwater utility will fund the following:

- » System planning and asset management
- » Infrastructure maintenance and replacement
- » Runoff and pollution reduction
- » Stream/channel improvements
- » Public Works equipment
- » Private property drainage program
- » Total capital and maintenance expenses
- » Green infrastructure maintenance

Will this pay for the combined sewer overflow (CSO) fix?

The total CSO fix will cost Peoria \$200-250 million. The City Council will ultimately decide how this will be funded. The stormwater utility will pay for a portion of the CSO solution, namely the maintenance of green infrastructure. Green infrastructure is not only good for the combined sewer area, it benefits our whole community.

Why now?

We must address the ever-growing backlog of stormwater projects (like erosion, failing culverts and blocked inlets) now before they worsen into emergencies. We need to reduce pollution in our streets and streams, and we must address the outdated and decaying pipes that pose a risk to public safety. By making positive changes now, we can stop responding to these issues reactively and become proactive in protecting our river and bettering the health of our community.

The U.S. EPA has mandated that we eliminate combined sewer overflows, which is when raw sewage is dumped into the Illinois River after heavy rain or snowmelt. The stormwater utility will help fund the maintenance of green infrastructure that will not only help us address CSOs, but alleviate the burden on our stormwater system.

How will the stormwater utility benefit our community?

There are many benefits of the stormwater utility. Not only will we have the funding needed to repair crucial infrastructure, we will be able to beautify and strengthen our community. The stormwater utility will help us maintain green infrastructure, like rain gardens, permeable pavers, bioswales and more. These elements have co-benefits, including:

HEALTHIER STREAMS, RIVER AND WILDLIFE

Rainfall and snowmelt pick up whatever chemical compounds and/or trash lie on pavement and flow directly into our creeks, streams and river. The stormwater utility will help us restore the natural hydrologic function we disrupted with pavement and other impervious surfaces, and would slow, cleanse and recharge groundwater once again. This reversal would not only benefit people, but also the animals and fish that rely on those water sources.

LESS FLOODING

The stormwater utility will help Peoria afford more street sweeping, preventing flooding from pollution-clogged inlets. Also, green infrastructure will help absorb and retain water, lessening the occurrence of flooding.

POSITIVE ECONOMIC IMPACT

We will increase surrounding property values by improving public rights-of-way and repurposing vacant/blighted lots. We will also spur reinvestment and increase economic activity, including tourism, for nearby businesses by creating green spaces and roads that encourage multiple types of transportation.

EMPLOYMENT OPPORTUNITIES

A portion of the stormwater utility will be used for green infrastructure maintenance, which would provide a scale and scope of design and construction work that could be met by local companies. Green infrastructure could create a demand for workforce training and education to build capacity for these public and private jobs.

PEACEFUL GREEN SPACES

Using green infrastructure (bump-outs, bioswales, green streets, rain gardens) to address CSOs and stormwater runoff will beautify areas of town, especially parts of older neighborhoods. Studies have shown that green spaces are linked to improvements in mental health, stress reduction and can foster community.

CRIME MITIGATION

We can create landscape designs that maintain sight lines, define public and private spaces, control access and encourage residents to spend time outside interacting and building stronger community ties.

Do other Illinois communities charge stormwater utility fees?

There are at least 16 other cities in Illinois that have adopted similar fees, including:

- » Morton
- » Eureka
- » Bloomington
- » Normal
- » Champaign
- » Urbana
- » Moline
- » Rock Island
- » Rolling Meadows
- » And more

How do I calculate the amount of impervious surface on my property?

We will calculate the amount of impervious surface on properties using geographic information system, or GIS, data. This information will be available online soon.

Are any properties exempt from the stormwater utility fee?

All properties are subject to the stormwater utility fee except the public right-of-way. Public streets are designed to be part of the stormwater system and therefore are exempt from the fee.

When and how will I receive my bill?

The utility will go into effect June 1, with the first billing being mailed out summer 2018. There will be an option to pay your stormwater utility bill online.

Nobody likes new fees, but the cost of ignoring our wet weather issues will be much higher for our community—and far less equitable or predictable.

How can I reduce my fee?

We are currently exploring credits and incentives that make sense for our community. These fee reductions will be given to property owners who lessen their properties' runoff by making positive changes, like installing a rain garden or using permeable pavers.

Do you have ideas for possible credits and incentives? Please contact Public Works; we are open to suggestions.

How can I get involved?

There are many ways you can make a difference. Take steps to reduce runoff and pollution on your property by exploring sustainable solutions, like rain gardens, permeable pavers, porous concrete, green roofs and other options.

Where can I learn more?

To discuss specifics related to your property and its stormwater contribution, please contact Public Works at stormwater@peoriagov.org. To learn more about these wet weather issues, please visit PeoriaStormwater.com.

FREQUENTLY ASKED QUESTIONS

Stormwater Utility Credits and Grants

Stormwater management is a community-wide responsibility. The credits and grants reward property owners for managing stormwater and maintaining stormwater infrastructure on properties not owned by the City. To learn more about credits and grants, please read the draft of the Credit Manual available at <http://www.peoriagov.org/wetweather/library/> under “Stormwater Utility.”

1. Can my existing best management practice (rain garden, detention pond, permeable pavement, etc.) be used?

Your existing best management practice may qualify for a credit if it was built to the required credit design standards, has been properly maintained and functions as it was designed to function. Your existing best management practice must have its original capacity to qualify.

2. Can brick or gravel be considered permeable?

Both brick and gravel are considered impervious surfaces as they are typically not designed for stormwater infiltration. However, in the rare instance that these materials are used in a way designed for stormwater infiltration, the project may qualify for a green infrastructure or rate reduction credit.

3. Do cisterns qualify for credits?

Most cisterns will not qualify for credits. Cisterns are underground tanks that can hold stormwater. Many cisterns are old and filled with rock (which is challenging to see as they are underground). Cisterns must have a pump in order to drain the water to have the capacity to hold more water. Most cisterns do not have a pump and a mere hand/manual pump wouldn't be sufficient for the amount of water the cistern holds. It might take a person hours to pump out all of that water, which isn't realistic. If an automatic pump was installed, the project may qualify for an innovation credit.

4. If I drain my downspouts to grass, do I need to pay the utility fee?

You would still need to pay the utility fee because most surfaces, including grass, generate stormwater runoff. Native prairies and woodlands still generate runoff. Grass just generates less runoff than impervious surfaces. The City is using impervious area to determine each property's use of the system. This methodology is used by many other cities for their stormwater utilities.

If the City were to do an actual drainage analysis of every property (that would be over 46,800 properties!), the administrative cost would be high and the general outcome of that effort would result in a cost distribution similar to using impervious area information.

5. Are there options for residents with low or fixed income?

The City is exploring solutions to lessen the impact of the stormwater utility on residents who have low income. We have discovered that most stormwater utilities do not offer a low or fixed income program.

6. If I drain to a creek, ravine, pond or lake, am I exempt from paying or would I qualify for a credit/grant?

Property owners who drain to a creek, ravine, pond or lake still must pay the stormwater utility fee. These waterbodies are important parts of the stormwater infrastructure system. Lakes often feature overflow structures that drain water into the stormwater system when the level rises too high.

The stormwater system is made up of City-owned and privately-owned infrastructure and the utility will provide funds to help maintain that infrastructure. The Private Property Drainage Assistance Program and Stormwater Infrastructure Investment Grant are two programs to help private infrastructure maintenance.

7. If I drain to the County/Peoria Heights/etc., do I pay?

Property owners who drain to the County or Peoria Heights will still pay a stormwater utility fee because their property has access to the stormwater system. Everyone benefits from good stormwater infrastructure and drainage even if their property drains elsewhere. Their property would be impacted if the stormwater infrastructure failed. The City of Peoria is following industry standard and is charging everyone who is within city limits.

8. If I construct a best management practice because it's mandated by ordinance, can I receive a grant or credit?

If you are required to construct something by ordinance, you cannot receive a grant but you may be eligible for a credit. Grants reward green infrastructure construction when it isn't mandated, but rather the property owner is taking extra steps to improve their property.

Learn more at OneWaterPeoria.com

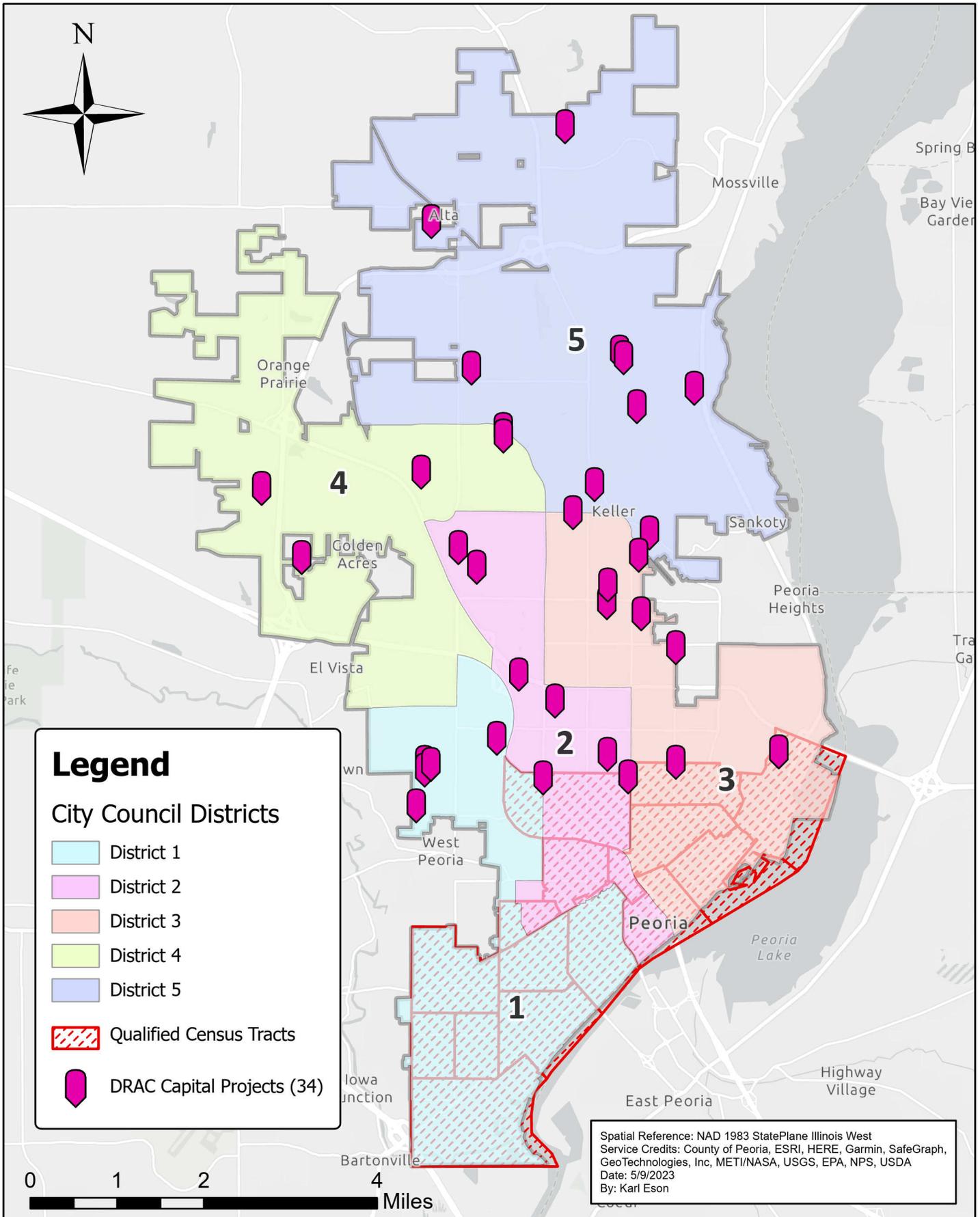
APPENDIX F - CAPITAL EXPENSES

Appendix F
Capital Expenses

TYPE	FUND	ORG	OBJ	PROJECT	PROJECT NAME	ACCOUNT DESCRIPTION	REVISED BUDGET	2022 EXPENDED	ENCUMBRANCE	AVAILABLE BUDGET		
AM	801	8013001	513999	O1903	STORM WATER MGMT - CLEAN WATER ACT	CONTRACT - OTHER	\$ -	\$ 4,884	\$ -	\$ (4,884)		
AM	801	8013001	523655	O2008	STORM WATER MGMT - CLEAN WATER ACT	SEWER	\$ 84,010	\$ 85,226	\$ 77	\$ (1,293)		
AM	801	8013001	523655	O2108	STORM WATER MGMT - CLEAN WATER ACT	SEWER	\$ (84,010)	\$ 89,738	\$ -	\$ (173,748)		
AM	801	8013001	513655	O2110	STORM WATER ASSET MGMT	SEWER	\$ -	\$ 8,778	\$ -	\$ (8,778)		
AM	801	8013001	523655	O2212	NPDES MS4 PERMIT	SEWER	\$ 365,000	\$ 104,732	\$ 79,243	\$ 181,025		
AM	801	8013001	523655	O2214	STORM WATER ASSET MGMT	SEWER	\$ 280,000	\$ -	\$ 10,000	\$ 270,000		
CH	801	8013001	523655	O2201	CHANNEL STABILIZATION - SPRINGDALE	SEWER	\$ 251,000	\$ 135,044	\$ 19,589	\$ 96,368		
CH	801	8013001	523655	O2202	CONCRETE LINE DRAIN CHANNEL REPAIR	SEWER	\$ 519,000	\$ -	\$ -	\$ 519,000		
CUL	801	8013001	523655	O2106	MERLE & KNOXVILLE CULVERT	SEWER	\$ -	\$ 61,547	\$ 59,569	\$ (121,116)		
CUL	801	8013001	523655	O2203	CULVERT AT ABINGTON & MADISON	SEWER	\$ 1,080,000	\$ 25,920	\$ 118,004	\$ 936,076		
CUL	801	8013001	523655	O2204	CULVERT AT GLEN & SHERIDAN	SEWER	\$ 90,000	\$ 74,997	\$ -	\$ 15,003		
ENG	801	8013001	523655	O2102	DRAINAGE ANALYSIS ENGINEERING	SEWER	\$ -	\$ 161,272	\$ 66,636	\$ (227,908)		
ENG	801	8013001	523655	O2206	DRAINAGE ANALYSIS ENGINEERING	SEWER	\$ 112,000	\$ 23,959	\$ 11,081	\$ 76,961		
GI	801	8013001	513655	O2209		SEWER	\$ 240,000	\$ -	\$ -	\$ 240,000		
GI	801	8013001	523655	O2210	NATIVE PLANTING - CITY FACILITIES	SEWER	\$ 255,000	\$ 38,366	\$ 11,214	\$ 205,420		
GI	801	8013001	523655	O2211	NATIVE PLANTING - ORANGE PRAIRIE	SEWER	\$ 55,000	\$ 110	\$ -	\$ 54,890		
ST	801	8013001	523655	O2205	DEERBROOK DRIVE GREEN STREET	SEWER	\$ 3,445,000	\$ 141,553	\$ 152,440	\$ 3,151,007		
ST	801	8013001	523652	R2104	GLEN AVE - WAR DRIVE TO UNIVERSITY	ROADS	\$ -	\$ 127,805	\$ 13,472	\$ (141,277)		
ST	801	8013001	503652	R2203	PROSPECT RD - KNOXVILLE TO BELMONT	ROADS	\$ -	\$ 305,047	\$ -	\$ (305,047)		
ST	801	8013001	523652	R2218	ROADWAY INFRASTRUCTURE OVERLAYS	ROADS	\$ 125,000	\$ 150,000	\$ -	\$ (25,000)		
SWI	801	8013001	513999	O2009	STORM WATER UTILITY GRANTS	CONTRACT - OTHER	\$ -	\$ 28,924	\$ -	\$ (28,924)		
SWI	801	8013001	523655	O2103	DRAINAGE REPAIR PROGRAM	SEWER	\$ -	\$ 6,783	\$ 40,056	\$ (46,839)		
SWI	801	8013001	523655	O2107	STORM WATER INFRASTRUCTURE IMPR	SEWER	\$ -	\$ 568,041	\$ 2,886	\$ (570,927)		
SWI	801	8013001	503999	O2109	STORM WATER UTILITY GRANTS	CONTRACT - OTHER	\$ 650,000	\$ 88,303	\$ -	\$ 561,697		
SWI	801	8013001	523655	O2207	DRAINAGE REPAIR PROGRAM	SEWER	\$ 1,180,000	\$ 1,230,091	\$ 101,051	\$ (151,141)		
SWI	801	8013001	523655	O2208	FLOOD WALL PROTECTION AT RIVERFRONT	SEWER	\$ 870,000	\$ -	\$ -	\$ 870,000		
SWI	801	8013001	523655	O2213	STORM SEWER LINING & REPAIRS	SEWER	\$ 1,000,000	\$ 466,036	\$ 7,422	\$ 526,542		
SWI	801	8013001	523655	O2215	STORM WATER INFRASTRUCTURE IMPR	SEWER	\$ 1,500,000	\$ 285,677	\$ 1,174,497	\$ 39,827		
SWI	801	8013001	523655	O2216	STORM WATER UTILITY GRANTS	SEWER	\$ 555,000	\$ 88,258	\$ 49,313	\$ 417,429		
TOTALS							\$ 12,572,000	\$ 4,301,091	\$ 1,916,548	\$ 6,354,361		
							Asset Management	AM	\$ 645,000	\$ 293,358	\$ 89,320	\$ 262,322
							Channel Stabilization	CH	\$ 770,000	\$ 135,044	\$ 19,589	\$ 615,368
							Culvert Replacement	CUL	\$ 1,170,000	\$ 162,464	\$ 177,573	\$ 829,963
							Engineering Study	ENG	\$ 112,000	\$ 185,231	\$ 77,717	\$ (150,948)
							Green Infrastructure	GI	\$ 550,000	\$ 38,476	\$ 11,214	\$ 500,310
							Street Improvement	ST	\$ 3,570,000	\$ 724,405	\$ 165,912	\$ 2,679,683
							SW Infrastructure	SWI	\$ 5,755,000	\$ 2,762,112	\$ 1,375,224	\$ 1,617,663
									\$ 12,572,000	\$ 4,301,091	\$ 1,916,548	\$ 6,354,361

APPENDIX G - DRAINAGE REPAIR ANNUAL CONTRACT WORK

Drainage Repair Annual Contract Project Locations



APPENDIX H - GRANT LOCATIONS

2314 West Altorfer Drive
Peoria, IL 61615
(309) 691-5300
foth.com

February 15, 2023

TO: Andrea Klopfenstein, City of Peoria, Public Works Department
CC: Josh Gabehart, Foth Infrastructure & Environment, LLC
FR: Adrian Caballero, Foth Infrastructure & Environment, LLC
RE: 2022 Private Property Drainage Assistance (PPDA) Annual Report

1. Introduction

Foth Infrastructure & Environment, LLC (Foth) was contracted by the city of Peoria (City) to assist with administering the Private Property Drainage Assistance (PPDA) program, one of a suite of programs offered by the City's Stormwater Utility (SWU). The PPDA Program Contract helps local property owners make stormwater improvements throughout the City. The City has maintained this reimbursement program for several years to great success.

In 2021, the approved reimbursement budget for the PPDA was \$200,000.00, of which \$174,960.50 was awarded for 24 projects. The remaining amount of \$24,960.50 was carried over into 2022, bringing the total PPDA reimbursement budget for 2022 to \$225,000.

The total 2022 budget reimbursed on PPDA projects was \$96,915.85 of the revised \$225,000.00 budget. The remaining 2022 amount of \$128,084.15 will be transferred to 2023's PPDA program. A summary for each of those parcels utilizing the program in 2022 is provided in Section 2. The 2022 PPDA Summary and PPDA Master Database are attachments to this memorandum.

The PPDA rules and guidelines can be found in the SWU *Credit and Grant Manual*, located here: [Final-Credit-Manual-7-1-2022.-00623693xA20B9.pdf \(peoriastormwater.com\)](#). Within this document, Section 5 discusses credit and grant policies, including eligibility and the application process. Section 6 of the manual discusses the grant funding and selection process and the various programs that a resident may qualify for.

Residents complete the following process to apply for stormwater management credits and grants:

1. The resident prepares the appropriate application forms, as found on the City website, by contacting Public Works, or by picking up physical copies at the Public Works facility.
2. The resident submits the forms, fees, and attachments to the Public Works Department.

3. Foth reviews the application within 30 working days and notifies the applicant of credit or grant determination, including any deficiencies, in cases where the application is not approved.
4. If the credit or grant is denied, the applicant may correct identified deficiencies and resubmit their revised application.
5. If a credit or grant is denied a second time, the applicant may appeal the determination following the guidelines in Article IV of Chapter 31 of the City of Peoria Code of Ordinances.
6. Once accepted, the funding is reserved for 60 days. Construction must be completed within this timeframe unless extenuating circumstances necessitate an extension.
7. Once construction is completed and the contractor has been paid by resident, the applicant submits a reimbursement request, which includes proof of payment for the completed work, within 30 days of the work's completion.

Foth's efforts in 2022 included site investigation, application assistance to residents, application reviews, payment coordination with City staff, and end-of-year reporting.

2. Private Property Drainage Assistance Program

The following summary is for reimbursed projects during the 2022 PPDA program.

2.1 223 W. Wynnwood Dr.

Total project cost = \$3,575.98

Reimbursed amount = \$2,662.50

- ◆ Three drain cleanouts installed for preventative yearly cleaning of the drainage system, as well as for ease of inspection.
- ◆ 25-foot (ft) French drain trenched and installed along back of property line to catch uphill runoff.
- ◆ 5-ft polyethylene vinyl chloride (PVC) hard pipe installed to replace existing corrugated tubing.
- ◆ Newly trenched drain covered with fabric to prevent silting, as well as 3 tons of white rock held in place with three landscape timbers, with rebar driven 4 ft into the ground to prevent heaving.

2.2 513 E. Illinois Ave. and 515 E. Illinois Ave.

(both properties included as one)

Total project cost = \$12,500.00

Reimbursed amount = \$9,375.00

- ◆ Prevented water from running off the alley and flooding the backyards of 513 & 515 E. Illinois Ave.

- ◆ Installed 24-inch precast catch basin with a cast iron lid to catch large flow of water that comes off the top driveway. Created bermed area to the side of the driveway.
- ◆ Used 4- to 8-inch cobblestones to line drainage area.
- ◆ Installed a 10-inch single-walled corrugated pipe that runs to a second catch basin.
- ◆ Graded lawn, seeded, applied fertilizer, and applied straw erosion control blanket.

2.3 2411 W. Marks Pl.

Total project cost = \$2,775.00

Reimbursed amount = \$2,081.25

- ◆ Foundation previously was pooling during modest to heavy rains.
- ◆ Grading work done along the east-facing side of homeowner's property to allow for runoff and for stormwater to flow away from the property foundation.
- ◆ Built a swale to carry the runoff water away from the house; seeded, fertilized, and covered with straw.

2.4 10620 N. Alex Dr.

Total project cost = \$10,000.00

Reimbursed amount = \$7,500.00

- ◆ Maintained weed control.
- ◆ Installed 13 gabion baskets (39 ft) to protect a grove of pine trees from erosion.
- ◆ Recycled concrete infill line (100 ft) of the stream with oversized recycled concrete (4 ft wide).

2.5 2533 Benton Ct.

Total project cost = \$28,000.00

Reimbursed amount = \$7,000.00

- ◆ Straightened creek and performed creek and riprap maintenance and weed control.
- ◆ Restored slope and lawn.
- ◆ Installed a geotextile fabric and a 9-ft wide, 16-inch thick layer of riprap (RR4) and 5 limestone riprap (160 tons).
- ◆ Applied seed, fertilizer, and straw blanket to graded areas along creek.

2.6 2537 Benton Ct.

Total project cost = \$28,000.00

Reimbursed amount = \$7,000.00

- ◆ Straightened creek and performed creek and riprap maintenance and weed control.
- ◆ Restored slope and lawn.

- ◆ Installed a geotextile fabric and a 9-ft wide, 16-inch thick layer of riprap (RR4) and 5 limestone riprap (160 tons).
- ◆ Applied seed, fertilizer, and straw blanket to graded areas along creek.

2.7 2539 Benton Ct.

Total project cost = \$28,000.00

Reimbursed amount = \$7,000.00

- ◆ Straightened creek and performed creek and riprap maintenance and weed control.
- ◆ Restored slope and lawn.
- ◆ Installed a geotextile fabric and a 9-ft wide, 16-inch thick layer of riprap (RR4) and 5 limestone riprap (160 tons).
- ◆ Applied seed, fertilizer, and straw blanket to graded areas along creek.

2.8 2145 N. Hampton Ct.

Total project cost = \$7,650.00

Reimbursed amount = \$5,737.50

- ◆ Application was approved in 2021 and the reimbursement request was completed in April 2022; funded through 2022 funds.
- ◆ Placed riprap boulders at base of site to prevent erosion from under the ties (property lines included).

2.9 7710 N. Derby Rd.

Total project cost = \$8,242.49

Reimbursed amount = \$5,264.50

- ◆ Furnished and placed 16-inch by 36-inch diameter culvert extension (corrugated metal with 24-inch splice band) in a bed of CA6 roadbed.
- ◆ Furnished and placed dirt as top cover.
- ◆ Placed riprap at open end of culvert and remediated ditch.

2.10 2302 E. Grandview Ave.

Total project cost = \$13,500.00

Reimbursed amount = \$10,000.00

- ◆ Installed timber retaining wall along driveway with drainage pipe behind wall to collect water.

2.11 918 W. Deerbrook Dr.

Total project cost = \$37,350.00

Reimbursed amount = \$10,000.00

- ◆ Replaced failing retaining walls (railroad ties) with more permanent stone structure.

2.12 9011 N. Locust Ln.

Total project cost = \$9,680.00

Reimbursed amount = \$7,253.10

- ◆ Constructed a swale and installed two additional catch basins for an existing culvert along Frye Road.
- ◆ Constructed a swale on the back side of an existing catch basin at the head of the ravine.
- ◆ Installed landscape cloth and 2- to 4-inch river rocks in front of that catch basin.

2.13 609 W. Clybourn Ct.

Total project cost = \$5,700.00

Reimbursed amount = \$4,275.00

- ◆ Removed concrete patio and patio door from the lower level of property to eliminate backyard filling with runoff during storms, undermining the patio, and leaking into the crawlspace.
- ◆ Filled in bottom part of old patio door opening with four rows of concrete blocks and put a window in the top part.
- ◆ Filled in old walkout area with dirt to keep the water away from the house.
- ◆ Seeded the area.

2.14 135 E. Oak Cliff Ct.

Total project cost = \$21,000.00

Reimbursed amount = \$7,000.00

- ◆ Rebuilt and resurfaced parking lot from damage caused by culvert underneath City property.

2.15 11032 Moonstone Ct.

Total project cost = \$6,950.00

Reimbursed amount = \$4,767.00

- ◆ Raised grading around the house by 4 to 6 inches to allow rainwater to run away from the foundation and downhill into the yard.
- ◆ Installed a layer of Visqueen™ plastic sheeting to provide a barrier to prevent water from draining along foundation walls.
- ◆ Sealed erosion holes around the window wells.
- ◆ Elevated the grade and slope from the home to the pavers using a dirt mix.
- ◆ Installed a weed fabric and covered with river rock stones to improve drainage.

3. Conclusion

The 2022 program ended on December 31, 2022. A couple of applications have already been submitted, and the program is expected to pick back up as the warmer weather starts in March and April 2023.

In 2023, Foth will continue to assist the City and residents with the PPDA program, working to reduce its efforts and handle as many cases as possible from the office without site visits, as conditions allow.

Attachments:

- Attachment 1: 2022 PPDA Summary
- Attachment 2: PPDA Master Database

Attachment 1
2022 PPDA Summary

**Table 1
2022 Private Property Drainage Assistance Grant Program Projects**

2022 Budget		\$225,000.00	25,000 transferred from 2021 (Actual Foth Cost is \$85,000 per year)
2022 Engineering Budget			
2022 Beginning BALANCE		\$225,000.00	

Project #s o2009

Application Received Date	Application Approved Date	60 day deadline	Applicant Name	Project Address	PIN	Amount Encumbered	Total Amount Encumbered	Reimbursed Amount Paid	Date request to Pay	Date Payment Entered	COMMENTS
5/1/2022	5/13/2022	7/12/2022	Shane Bickett	223 W Wynnwood Dr.	1421378018	\$2,662.50	\$2,662.50	\$2,662.50	6/8/2022	6/13/2022	Two drain cleanouts installed for preventative yearly cleaning of the drainage system as well as for ease of inspection
4/20/2022	5/18/2022	7/17/2022	Richard Mellor	10620 N. Alex Dr.	929304018	\$7,500.00	\$10,162.50	\$7,500.00	6/10/2022	6/10/2022	Maintain weed control, replace eroded material as needed.
5/26/2022	6/10/2022	8/9/2022	Colleen Hubert	2533 Benton Ct.	930327019	\$7,000.00	\$17,162.50	\$7,000.00	6/21/2022	6/21/2022	Creek straightening, creek and riprap maintenance and weed control along creek
5/26/2022	6/10/2022	8/9/2022	Margaret Maddalozzo	2537 Benton Ct.	930327022	\$7,000.00	\$24,162.50	\$7,000.00	6/21/2022	6/21/2022	Creek straightening, creek and riprap maintenance and weed control along creek
5/26/2022	6/10/2022	8/9/2022	Mary Wallace	2539 Benton Ct.	930327021	\$7,000.00	\$31,162.50	\$7,000.00	6/21/2022	6/21/2022	Creek straightening, creek and riprap maintenance and weed control along creek
6/23/2022	7/7/2022	9/5/2022	Jane Genzel	513 E Illinois Ave.	1804230034	\$4,687.50	\$35,850.00	\$4,687.50	9/7/2022	9/12/2022	Prevent water from running off the alley and flooding backyards of 513 & 515 E. Illinois
6/23/2022	7/7/2022	9/5/2022	Jane Genzel	515 E Illinois Ave.	1804230035	\$4,687.50	\$40,537.50	\$4,687.50	9/7/2022	9/12/2022	Prevent water from running off the alley and flooding backyards of 513 & 515 E. Illinois
7/13/2022	7/14/2022	9/12/2022	Ryan Mahoney	2411 W Marks Pl.	919453010	\$2,081.25	\$42,618.75	\$2,081.25	7/22/2022	7/27/2022	Build a swale to carry the runoff water away from the house, seed, fertilize and maintain.
3/24/2021	4/4/2022	6/3/2022	Walter Fitton	2145 N. Hampton Ct.	1433354001	\$5,737.50	\$48,356.25	\$5,737.50	12/14/2021	4/19/2022	Remediate erosion and prevent additional erosion
11/19/2021	1/10/2022	3/2/2022	Andrew Nippert	7710 N Derby Rd.	1410146002	\$5,264.50	\$53,620.75	\$5,264.50	2/8/2022	3/3/2022	Remediate ditch, add new culverts and riprap
8/23/2022	8/26/2022	10/25/2022	Scott Carnahan	2302 E Grandview Ave.	1426177015	\$10,000.00	\$63,620.75	\$10,000.00	9/23/2022	9/29/2022	Repair failing timber retaining wall along property line/driveway
9/7/2022	9/8/2022	12/7/2022	Catherine Humy	918 W. Deerbrook Dr.	929253015	\$10,000.00	\$73,620.75	\$10,000.00	10/20/2022	11/2/2022	Replace retaining walls
8/18/2022	9/7/2022	11/6/2022	Albney Group LLC	135 E Oak Cliff Ct.	1421451005	\$7,000.00	\$80,620.75	\$7,000.00	12/21/2022	12/28/2022	Rebuild and resurface parking lot from damage caused by culvert underneath city property
9/9/2022	10/10/2022	12/9/2022	Curtis Ribando	9011 N Locust Ln	1405227002	\$7,253.10	\$87,873.85	\$7,253.10	12/13/2022	12/14/2022	Mitigate the flooding of the yard during periods of heavy rainfall
11/8/2022	11/9/2022	1/8/2023	Kirk Broders	11032 Moonstone Ct.	930153001	\$4,767.00	\$92,640.85	\$4,767.00	11/22/2022	11/22/2022	Elevate the grading away from the house to prevent further erosion and damage to foundation of the house.
10/12/2022	10/14/2022	12/13/2022	James & Tracey Miller	609 W. Clybourn Ct.	1409351013	\$4,275.00	\$96,915.85	\$4,275.00	11/3/2022	11/17/2022	Grade backyard, remove concrete patio, retaining wall and sliding patio door. Prevent SW from getting into home.
Total Drainage Program						\$96,915.85	\$96,915.85	2022 Amount Paid to Date			
Amount Remaining (less encumbered)						\$128,084.15	\$128,084.15	Amount Remaining (less amount paid)			

Attachment 2
PPDA Master Database

**Table 2 - Private Property Drainage Assistance Program Master Database
City of Peoria, IL**

CITY OF PEORIA PRIVATE PROPERTY DRAINAGE PROGRAM INVENTORY

Updated 4/05/2023

#	House Number	Street Dir	Street Name	Street Extension	PIN	Owner at time of Participation	Date of Agreement	Amount of City Contribution	Comments
1	1418	W	1st	St	1808184001	Little, Frankie	1988		incomplete file-- sanitary backup issues
2	2400	SW	Adams	St	1817330007	Kelly Glass, Inc.	6/21/2002	\$2,646.00	overhead sewer installed
3	2237	W	Albany	Dr	1430454010	Soendlin, Deron and Rhonda	4/21/1997	\$857.25	overhead sewer installed
4	10620	N	Alex	Dr.	929304018	Richard Mellor	5/18/2022	\$7,500.00	Maintain weed control, replace eroded material as needed.
5	6316	N	Allen	Rd	1418251000	Woodside Creek Condominiums	8/25/1998	\$4,028.59	outfall extension
6	6538	N	Allen	Rd	1418201000	Woodside Creek Condominiums	8/9/2004	\$3,476.70	grade parking lot, repair outfall
7	6000	N	Allen	Rd	1418376025	Midwest Orthopaedics Center	4/26/2006	\$7,500.00	gabion wall along creek
8		N	Allen	Rd	919251009	Augusta Estates HOA C/O Doug Cekander	8/12/2020	\$684.00	clean out two detention basins
9	1715	W	Alta	Rd	929351009	Little Friends Learning Center	6/10/1997	\$7,500.00	creek bank stabilization
10	5323	W	Ancient Oaks	Dr	1314156008	Moeckel, Mark	4/27/1995	\$519.77	yard inlet
11	7330	N	Andover	Pl	1409156004	Ackerman, Owen	10/6/1986	\$400.00	reshape drainage ditch
12	5826	N	Andover	Ct.	1313305004	Brumley, Gaylan Michael	11/2/1999	\$1,683.75	retaining wall, rip-rap
13	711	E	Arcadia	Ave	1433431004	Prince of Peace Church	4/1/1996	\$2,250.00	parking lot drain
14	909	W	Armstrong	Ave	1805280010	Cadaqin, Molly	2/19/2016	\$7,500.00	remove from wildcat sewer & connect to City sewer
15	300	W	Aspen	Way	1409328004	Marshall, Douglass and Carol	7/24/2009	\$3,300.00	yard drains and yard grading
16	2204	W	Augusta	Dr	919251009	Doug Cekander	8/12/2020	\$684.00	cleanout 2 detention ditches in golf course- HOA
17	1617	W	Austin	Dr	1417357012	Carr, Mary Pat	7/2/1985	\$432.50	removing leaning trees (erosion)
18	2011	W	Austin	Dr	1418480011	Everhart, Jacqueline	7/29/2005	\$1,496.25	yard drains and regrading of yard
19	3202	N	Avalon	Pl	1429479011	Zweifel, Harold	12/5/1984	\$900.00	driveway regraded
20	3006	N	Avalon	Pl	1432229001	Allonge, Patricia	6/1/2001	\$3,500.00	ejector pump installed
21	7054	N	Aycliffe	Dr	1312402004	Curtin, Kevin	9/8/1994	\$777.19	regrade yard, add yard drains
22	7058	N	Aycliffe	Dr	1312402003	Kumming, Rick	9/12/1995	\$1,518.75	regrade yard
23	7038	N	Aycliffe	Dr	1312402007	VanOsdol, Richard & Tamela	4/22/1997	\$1,976.25	regrade yard, install berm
24	6908	N	Aycliffe	Dr	1312452012	Hasselberg, Eric	6/1/2016	\$4,500.00	gabion basket creek bank protection
25	6916	N	Aycliffe	Dr	1312452011	Waldo, Tripp	6/1/2016	\$7,500.00	gabion basket creek bank protection
26	6920	N	Aycliffe	Dr	1312452010	Trent, Pat	6/1/2016	\$4,500.00	gabion basket creek bank protection
27	2934	W	Bacon	Dr	1418152003	Reuler, Robert	1/10/2010	\$2,850.00	yard drains and pipes
28	3902	N	Baring	Tr	1312376004	WCIC Radio	7/22/2008	\$7,500.00	extend eroded storm sewer outfall
29			Baywood	Ave		NA	10/28/1992	\$4,000.00	6' paved ditch
30	505		Beacon	St	1435134001	Reeves, Verneal	1/18/1991	\$589.95	sanitary gate valve
31	625		Beacon	St	1435133001	Deiss, Barbara	5/3/2011	\$1,200.00	sanitary gate valve
32	505		Beacon	St	1435134001	Joerger, George	9/22/2017	\$1,875.00	swale
33	701	W	Beechwood	Ct	1404101002	Vidas, Michael	7/27/1998	\$7,500.00	extend eroded storm sewer outfall
34	8809	N	Beechwood	Dr	1405229006	Bannon, Patricia	10/13/2010	\$3,900.00	yard drain, piping, regrade yard
35	3637	W	Bennington	Ct	1325251013	Champion, Matt	7/16/2013	\$7,500.00	fixed erosion of gully in ack yard and also erosion of back and side yard
36	2507	W	Benton	Ct	930327051	Erwin, Dave	5/6/2002	\$7,500.00	gabion walls w/ 3 other neighbors
37	2545	W	Benton	Ct	930327024	Trails Edge Condo Assoc, Schicksup, Jack	8/8/2011	\$7,500.00	additional gabions in channel-multi property
38	2547	W	Benton	Ct	930327023	Trails Edge Condo Assoc, Schicksup, Jack	8/8/2011	\$7,500.00	additional gabions in channel-multi property
39	2533	W	Benton	Ct.	930327019	Colleen Hubert	6/10/2022	\$7,000.00	Straighten creek, restore slope, install geofabric, riprap (RR4 &5), seed area, add straw blanket
40	2537	W	Benton	Ct.	930327022	Margaret Moddalozzo	6/10/2022	\$7,000.00	Straighten creek, restore slope, install geofabric, riprap (RR4 &5), seed area, add straw blanket
41	2539	W	Benton	Ct.	930327021	Wallace Mary	6/10/2022	\$7,000.00	Straighten creek, restore slope, install geofabric, riprap (RR4 &5), seed area, add straw blanket
42	1715	N	Bestor	St	1805227026	Burns, Odell	4/23/1997	\$5,220.00	rr tie wall
43	1719	N	Bestor	St	1805227025	Majors, John	4/23/1997	\$4,417.50	rr tie wall
44	5030	N	Bevalon	Pl	1420179004	Hicks, Lester	5/7/1996	\$5,784.74	culvert replacement-- legal issues
45	5353	N	Big Hollow	Rd.	1419151045	Johann, Otto	5/11/1983	None	road side ditch blocked with debris
46			Big Hollow	Creek		Heartland Water Resources	3/28/1994	\$10,000.00	319 grant match bank stabilization
47	5311	N	Big Hollow	Rd	1419105005	Ogolin, Joanne	9/19/2017	\$5,051.25	Timber retaining wall and swale
48	2901	N	Bigelow	St	1433128012	Whitledge, Dale	10/25/1988	\$5,000.00	concrete retaining wall along creek
49	2717	N	Bigelow	St	1433133017	Willi, David	11/20/2001	\$7,500.00	gabion wall
50	3310	N	Biltmore	Ave	1429480001	Lucas, Thomas	2/15/1999	\$1,197.75	sanitary gate valve
51	412	W	Birchwood	Ave	1421305011	Myers, Roxanne	12/8/1995	\$7,500.00	pipe open channel, combine with neighbors
52	2412	E	Bishop	Ave	1426176010	Shekelton, Michael	5/10/2010	\$7,500.00	gabion wall, riprap in channel
53	2321	E	Bishop	Ave	1426128003	Beard, James	2/6/2019	\$7,500.00	grading and rock in swale/creek between 4025 Harmon and 2321 E Bishop
54	6824	N	Bobolink	Rd	1408454018	Young, Cliff	11/14/1989	\$575.00	regrade driveway
55	6808	N	Bobolink	Rd	1408454015	Quiram, Michael and Marilyn	6/13/1995	\$6,114.00	yard drain, piping, retaining wall
56	6814	N	Bobolink	Rd	1408454016	Hill, David	6/23/1995	\$782.64	regrade driveway
57	1304	NE	Bond	St	1803407002	Edwards, Mary Jane	7/20/1992	\$1,000.00	connected old sewer line to current line
58	2612	N	Bootz	Ave	1433159001	Columbia School	7/6/1983	NA	RR tie retaining wall
59	4237	N	Boulevard	Ave	1428226038	Hoffman, Henry	6/18/1983	NA	install storm sewer
60	4547	N	Bournevale	Dr	1421378007	Sharelene, Mead	4/24/1995	\$988.85	Underdrains and sump pump
61	2701	W	Braicliff	Ln	1430328006	Parish, Mattiea	6/15/1994	\$5,186.00	basement waterproofing, regrading, legal issues
62	8339	N	Bramberry	Ln	1408454018	Wilkins, Bob and Marilyn	12/8/1998	\$7,500.00	gabion wall
63	4422	N	Brandywine	Dr	1419477002	Honeywell	9/20/1984	\$3,100.00	retaining wall
64	5827	N	Briarwood	Ln	1417407020	Shah, Mahasukh	5/14/1997	\$7,500.00	retaining wall along creek

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City of Peoria, IL**

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65	802	W	Bridgetowne	Ct	920477014	O'Neill, Michael	10/18/1995	\$6,273.75	rr tie wall
66	709	W	Bridgetowne	Ct	920477006	Khoury, Joseph	9/6/2019	\$7,500.00	
67	4001	N	Brookdale	Pl	1428206008	Richmond, Evelyn	7/10/2001	\$7,500.00	gabion wall in creek
68	904	W	Brookforest	Dr	929252007	Nelson, Roger	5/31/1996	\$1,072.50	regrading yard
69	1128	W	Brookforest	Dr	929251003	Sansone, Robert	5/8/2009	\$750.00	drain tile, yard regrading
70	903	W	Brookforest	Dr	929203020	Scarlata, Tyler & Megan	10/19/2015	\$3,187.50	grading and seeding
71	1128	W	Brookforest	Dr	929251003	Speck, Christopher	5/10/2017	\$4,275.00	10' wide swale
72	2224	W	Brooklyn	Pl	930252023	Webb, Jeff	10/15/2008	\$7,500.00	gabion wall
73	2208	W	Brooklyn	Pl	930227001	Alcenius, Tim & Jenny	10/30/2019	\$7,500.00	
74	2224	W	Brooklyn	PL	930252023	Craig Rohlfis	10/22/2020	\$3,179.25	N/A
75	4012	N	Brookridge	Pl	1428206005	O'Bleness, Gerald	7/1/2001	\$7,500.00	Backyard drainage ditch control
76	4006	N	Brookridge	Pl	1428206010	Fifield, George and Martha	7/2/2001	\$7,500.00	gabion ditch checks w/neighbors
77	4010	N	Brookridge	Pl	1428206011	Gudat, Adam	7/2/2001	\$7,500.00	gabion baskets
78	4004	N	Brookridge	Pl	1428206009	Keener, Johanna	7/9/2001	\$7,500.00	gabion ditch checks w/neighbors
79	502	W	Brookridge	Ln	1421176002	Rantisi, Sharbel	3/27/2018	\$3,712.50	railroad tie retaining wall
80	4006	N	Brookridge	Pl	1428206010	Lawrence, Betty Jane	8/19/2019	\$7,500.00	rip rap to secure creek bank
81	4016	N	Brookridge	Pl	1428206004	Murphy, Sharon	6/30/2001	\$7,500.00	Erosion control project
82	4010	N	Brookridge	Pl	1428206011	Gudal, Adam	7/1/2001	\$7,500.00	erosion control project
83	3906	N	Brookside	Dr	1430181001	Carson, Bill	4/1/1991	\$1,440.00	sink hole repair
84	6620	N	Brookwood	Ln	1418126001	Conner, John & Lois	3/26/2004	\$982.50	Topsoil berm in back yard
85	6401	N	Brookwood	Ln	1418101018	White, Lynda	5/18/2006	\$7,407.00	damage + erosion project, overflow catch basin and piping, 3 neighbors dividing cost
86	6409	N	Brookwood	Ln	1418101017	Heffron, Ron	5/22/2006	\$7,407.00	damage + erosion project, overflow catch basin and piping, 3 neighbors dividing cost
87	6619	N	Brookwood	Ln	1418105014	Horan, Chris	11/14/2017	\$7,500.00	timber wall and drainage tile
88	615	W	Brow	Ct.	1404151007	Vanloo, James	7/6/1999	\$7,500.00	installation and prep work. Grading for gabion
89	621	W	Brow	Ct.	1404151006	Locher, Larry	10/8/1999	\$7,500.00	Gabion, backfill, cloth, grade, seeding
90	11046	N	Buckskin	Ct.	929253016	Tucker, Michael	7/9/2001	\$2,649.00	Install drain tile, create 8 foot wide swale
91	1010	W	Burnside	Dr	1417405016	Rice, Tim	8/13/2004	\$7,500.00	install pipe manhole fill soil
92	1016	W	Burnside	Dr	1417405002	Zych, Richard	8/13/2004	\$7,500.00	install 36" pipe, 60" manhole gabion
93	906	W	Butterfield	Dr	1417228026	Hill, Robert	10/19/1993	\$745.00	60 linear feet of 4" high water control device
94	909	W	Butterfield	Dr	1417228014	Kauffman, Robert & Elizabeth	12/21/1993	\$1,000.00	
95	3409	N	California	Ave.	1428453031	Ogburn, Michael	7/1/2008	\$1,125.00	
96	4610	N	California	Ave	1421426014	Engstrom, Dolores	7/3/2013	\$862.50	Installed drain box
97	3313	W	Capitol	Dr	1312428019	Knaggs, Roger	4/21/1993	\$7,500.00	
98	3417	W	Capitol	Dr.	1312452004	Phillips, Bliss & Marilyn	9/30/1993	\$1,000.00	
99	3317	W	Capitol	Dr.	1312428018	Schneider, Mark	8/12/1999	\$7,500.00	
100	3321	W	Capitol	Dr.	1312428033	Breuhaus, Robert	8/12/1999	\$75,000.00	
101	3325	W	Capitol	Dr.	1312428015	Klimko, Robert	8/23/1999	\$7,500.00	
102	4408	N	Carola	Ct.	1324453006	Winkleman, Ken	1/21/1986	NA	NA
103	4005		Carousel	Ln.	1313106037	Garcia, Arturo	8/2/2019	\$3,000.00	
104	2017	W	Casecreek	Dr	930479021	Horst, Kevin	10/16/2019	\$5,137.50	gabion basket wall in creek
105	1913	W	Casecreek		930479015	Tzeng, Yuyang	12/3/2019	\$7,470.00	
106	1915	W	Casecreek		934479014	Schuh, David	12/3/2019	\$7,470.00	
107	1919	W	Casecreek		934479013	Morrissey, Alison	12/3/2019	\$7,500.00	
108	1923	W	Cashman	Ct.	1431232031	Humphrey, Ada	11/19/1998	\$7,350.00	
109	3637	W	Cassadaga	Ct.	1325251038	Mallory, Carter	5/16/1994	\$3,950.00	
110	3636	W	Castile	Ct.	1325251035	Reynolds, Rick	5/13/1994	\$270.00	
111	2726	W	Castle	Ct	1418380001	Swigris, Robert	7/30/1984	\$3,898.78	replace storm drain line and install manhole
112	2727	W	Castle	Ct.	1418378022	Kassing, Roger	11/8/1983	NA	Complaint: Wash out behind house
113	5301	N	Castleberry	Dr.	1323127013	Huntington Homeowners Assoc.	11/3/2000	\$7,500.00	
114	5407	N	Castleberry	Dr.	1323127021	Kocher, John & Dawn	11/3/2000	\$1,170.00	
115	5409	N	Castleberry	Dr.	1323127022	Christenberry, Randall & Kelli	11/3/2000	\$1,170.00	
116	6523	N.	Cedarbrook	Ln.	1418101010	Nofsinger, John	6/7/1994	\$1,256.25	reconnect the last 40' of the 12" storm sewer
117	6509	N	Cedarbrook	Ln	1418101012	Thomas, Tom	5/29/2007	\$7,368.00	
118	6515	N	Cedarbrook	Ln.	1418101011	Trimble, Rosemary	5/29/2007	\$7,368.00	install 12" pvc pipe inlet, gabion structure
119	6523	N.	Cedarbrook	Ln.	1418101010	Hnilicka, Greg	5/29/2007	\$7,368.00	drop 24" catch basin
120	1000	W.	Centennial	Dr.	1417203009	Butler, Roderick	5/6/1996	\$7,014.38	Build walls for drainage ditch through the backyard
121	1006	W.	Centennial	Dr.	1417203008	Clark, Gary	5/7/1996	\$6,886.50	concrete wall backfill and timbers installed
122	1018	W.	Centennial	Dr.	1417203006	Williams, Marybeth	5/31/1996	\$7,500.00	75 lineal feet of 3' high timber ret. Wall
123	1026	W	Centennial	Dr.	1417203005	Garber, Oliver	7/30/1996	\$4,207.81	Placing culvert to stop erosion from creek
124	1012	W.	Centennial	Dr.	1417203007	Willis, Joseph	8/2/1996	\$7,258.50	landscape and drainage
125	1032	W	Centennial	Dr.	1417203004	Schultz, Michael	6/21/2002	\$7,395.00	360' total length a spillway of concrete
126	1035	W	Centennial	Dr.	1417202001	McGann, Martin	6/21/2002	\$6,465.00	concrete spillway project
127	1036	W	Centennial	Dr.	1417203003	Chasteen, Bryan & Angela	6/21/2002	\$7,500.00	grading concrete, renovations
128	1029	W	Centennial	Dr.	1417202008	Custer, Matt	5/18/2005	\$6,570.00	prep and install gabion
129	2403	N	Central	Ave.	1434303017	Ivey, Amie Sue	3/9/2004	\$1,200.00	demo floor 4" josam shear gate, patch floor

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City of Peoria, IL**

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130	3217	W	Chadwick	Ln	1312426013	Sirra, Jeff	6/4/2019	\$7,500.00	grading away from house, swale, erosion control, replace retaining wall
131	2309	W	Chandler	Ct	930451016	Ruth Tambllyn	10/22/2020	\$7,500.00	N/A
132	2327	W	Chandler	Ct	930451011	Ronald Pullen	7/20/2021	\$7,500.00	Install large rock to help prevent erosion
133	2325	W	Chandler	Ct	930451012	Joan Henderson	7/20/2021	\$7,313.00	Construct a retaining wall with gabion baskets to prevent erosion
134	2409	W	Chandler	Ct	930451006	Gerald Wombacher	7/20/2021	\$7,500.00	Embankment graded and covered with oversized rip raps to prevent erosion
135	2311	W	Chandler	Ct	930451015	William Weber	4/1/2021	\$7,500.00	Install gabion retaining wall to help prevent erosion
136	2331	W	Chandler	Ct	930451010	James Schaber	6/21/2021	\$7,500.00	Construct an embankment to prevent further erosion on hillside
137	2419	W	Chandler	Ct	930451003	Kurt and Kandy Anderson	9/20/2021	\$7,500.00	Construct an embankment with oversized riprap to stop existing erosion and to prevent future erosions
138	2411	W	Chandler	Ct	930451005	John D Murphy	9/21/2021	\$7,500.00	Construct a stabilized embankment with oversized riprap to stabilize creek embank and slow the erosion
139	2417	W	Chandler	Ct	930451004	Norma N Howard	9/21/2021	\$7,500.00	construct an embankment with oversized riprap to prevent erosion and deepening of the creek bed
140	1620	W	Chanute	Rd	1405151006	Raybec Management	5/28/1993	\$2,850.00	retaining wall
141	7200	N	Charles	Way	1409307009	Charlestown Condo Association	9/14/1998	\$4,469.30	excavating and forming concrete swail 238'
142	231	S	Charlton	St.	1808409017	Moore, Jeffery	8/9/2000	\$576.00	drain
143	4111	W	Charter Oak	Rd.	1313351005	Shipman, Alan	8/6/2014	\$2,029.50	repair with 12" rip rap & 1 ton boulders
144	3605	W	Chartwell	Rd.	1312451019	Renner, Richard	7/9/1990	\$227.50	regarding of the left side of house to allow swail
145	3602	W	Chartwell	Rd.	1312453023	Meginnis, Brian	12/6/1990	\$427.32	24" corrugated solid tubing, split cplg
146	3605	W	Chartwell	Rd.	1312451019	Booth, Afton	5/2/1991	\$900.00	landscape boxwood bricks cement
147	3214	W	Chartwell	Rd.	1312480002	Taylor, Thomas	6/27/1995	\$1,629.00	Connect Ells to 12" broken storm sewer with anchor
148	5019	N	Cherrill	St.	1419178007	Scott, Beverly	9/24/1997	\$3,240.89	flynn galv pipe, 2 manholes, 3 couplers
149	1619	W	Christine	Ave	1420358011	Fahel, Matt	8/2/2005	\$7,500.00	Approx 105' long gabion basket wall
150	2025	W	Cimarron	Dr.	1418476017	Ericson, Joan	8/4/1995	\$1,246.88	underdrains along back of property and down both sides
151	1412	W	Cimarron	Dr.	1417379006	Jr. Berres, Paul	9/17/2001	\$7,500.00	prep excavation tree removal and cleanup
152	1424	W	Cimarron	Dr.	1417379004	Sathoff, John	9/17/2001	\$7,500.00	prep, exac, tree removal, gen clean up
153	1415	W	Cimarron	Dr.	1417378020	Herman, Allan	4/8/2003	\$7,500.00	cleaning and thinning of trees and brush, rip rap rock
154	1423	W	Cimarron	Dr.	1417378019	Timmes, Charles	4/8/2003	\$7,500.00	rip rap rock and gabion blocks
155	1411	W	Cimarron	Dr.	1417378021	Hammond, Timothy & Lisa	4/7/2008	\$6,487.50	Small block retaining wall along fenceline
156	1604	W	Cimarron	Dr.	1417356012	Wessel, Berrenice	10/21/2010	\$4,054.00	drainage ditch
157	2202	W	Cindy	Ln	1419204011	Allen, Davis	6/3/1986	\$1,375.00	71' of wall 7 coarses high using 12" blocks
158	2304	W	Cindy	Ln	1419204003	George, Erin	6/27/2006	\$6,510.00	gabion wall installation
159	2314	W	Cindy	Ln	1419204001	Bauwens, Harry	6/27/2006	\$4,260.00	gabion basket restoration
160	2310	W	Cindy	Ln	1419204002	Hahn, Ronald	6/30/2006	\$6,510.00	gabion wall restoration
161	2206	W	Cindy	Ln	1419204010	Skau, Jack	7/31/2006	\$6,645.00	gabion wall installation
162	2210	W	Cindy	Ln	1419204009	Sluser, Richard	7/31/2006	\$6,645.00	gabion wall installation
163	2214	W	Cindy	Ln	1419204008	Dutton, James	7/31/2006	\$6,645.00	gabion wall installation
164	2123	W	Cindy	Ln	1419203022	Dixon, Charlene	9/5/2017	\$1,436.25	grading and yard drains
165	1615	W	Circle	Rd	1432103005	Templin, Bernard	11/19/1984	NA	erosion in ravine
166	412	W	Clara	Ave	1421153001	Kupper, Tracey	7/13/1999	\$1,408.50	Cobble stone drainage improvement
167	307	W	Clara	Ave	1421176016	Pegg, Edward	12/17/2004	\$4,038.75	French drain installation
168	4707	N	Clarewood	Ave	1419403011	Baumgartner, Herbert	9/6/1989	\$855.00	Installed metal wall to slow flow in creek
169	4709	N	Clarewood	Ave	1419403010	Mast, Marge	7/12/1993	\$4,000.00	rip rap installation
170	4707	N	Clarewood	Ave	1419403011	Donaldson, Ann	6/17/1994	\$7,500.00	concrete retaining wall
171	4717	N	Clarewood	Ave	1419403009	Brandon, William	3/24/1995	\$7,500.00	concrete spillway
172	1803	W	Clarewood	Ave	1420303015	Espe, Richard	6/11/1997	\$1,837.50	Timber Retaining Wall
173	2022	W	Clarewood	Ave	1419432011	Dawson, Rich	3/9/2004	\$7,500.00	Install 24" storm drain
174	4620	N	Clarewood	Ave	1419728006	Patterson, Jason	9/23/2014	\$4,766.25	regarding of backyard
175	4610	N	Clarewood	Ave	1419428008	Resler, Bruce & Helen	7/16/2015	\$5,363.25	drain channel
176	613	W	Clybourn	Ct	1409351012	Fleming, Sam	2/2/1995	\$1,125.00	install concrete headwall
177	520	W	Clybourn	Ct	1409352005	Troxell, Roger	8/13/2010	\$3,225.00	French drain installation
178	609	W	Clybourn	Ct.	1409351013	James and Tracey Miller		\$4,275.00	Grade backyard, remove concrete patio, retaining wall and sliding patio door. Prevent SW from getting into home.
179	6600	N	Cobblestone	Ct	1418129014	Hinnen, Robert	4/15/1992	\$4,425.00	NA
180	1418		Cole	Ct	1805251009	Mullowney, Edward	1/3/1994	\$7,403.25	Driveway and drain improved
181	432	W	Collingwood	Cir	1409158006	Gomez, Robert	7/15/1992	\$3,356.50	
182	428	W	Collingwood	Cir	1409158007	Remolina, Rodrigo	10/22/1996	\$1,393.60	installed drain tile along brick wall
183	505	W	Collingwood	Cir	1409156005	Griebel, Elizabeth	3/25/2002	\$1,097.62	Timber Retaining Wall
184	419	W	Collingwood	Cir	1409156006	Becker, Wesley	7/5/2002	\$7,263.75	gabion installation
185	1000	E	Corrington	Ave	1434127001	Williams, Quentin	5/24/1982	NA	rod the storm drains
186	922	E	Corrington	Ave	1434106022	Sloan, Robert	6/27/1995	\$1,284.00	sump pump
187	720	W	Corrington	Ave	1432231013	Doerr, Jennifer	3/16/2015	\$7,500.00	wildcat sewer install ejector pit
188	6700	N	Cottonwood	Ct	1408355005	Graves, Jim	6/28/2002	\$7,215.00	Gabion basket installation
189	805		Country Meadow	Ln	1408427015	Country Meadows Homeowners Assoc	9/28/2001	\$5,175.00	yard drains to existing sump pumps
190	8118	N	Crab Orchard	Ct	1404326019	Colan, William	3/7/2000	\$7,500.00	Gabion basket installation
191	8128	N	Crab Orchard	Ct	1404326018	Cohen, Esther	3/7/2000	\$7,500.00	Gabion basket installation
192	8134	N	Crab Orchard	Ct	1404326038	Myers, Clifford	3/7/2000	\$7,500.00	Gabion basket installation
193	8144	N	Crab Orchard	Ct	1404326047	Mannlein, William	3/7/2000	\$7,500.00	Gabion basket installation

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194	7234	N	Crabapple	Ct	1408252010	Lu, Stephen	10/29/2002	\$7,500.00	Gabion basket installation
195	7237	N	Crabapple	Ct	1408252009	Ellis, Brian	10/29/2002	\$7,500.00	Gabion basket installation
196	7228	N	Crabapple	Ct	1408252011	Reising, William	6/10/2013	\$525.00	repair drain, install rock erosion protection
197	3947	W	Creighton	Terr	1313176001	Peoria Housing Authority	8/12/1986	\$575.00	yard regraded
198	613	W	Crestwood	Dr	1428106012	Schrepfer, Richard	6/29/2009	\$4,147.50	added downspouts into existing drain system
199	4003	W	Crimson	Rd	825351003	Garcia, Arturo	8/2/2019	\$2,850.00	
200	112		Cross	St	1804429001	Wayne, Carol	10/21/1985	NA	NA
201	10541	N	Dahlia	Ct	930301005	Malik, Ausia	8/3/2010	\$7,500.00	retaining wall
202	11202	N	Daniel	Ct	930227011	Srnigiel, Michael	6/28/2001	\$7,455.00	Gabion basket installation
203	11200	N	Daniel	Ct	930227010	Wille, Robert	2/27/2004	\$7,500.00	Gabion basket installation
204	11200	N	Daniel	Ct	930227010	Robert Willie	3/11/2021	\$4,875.00	Install gabion in creek to prevent erosion
205	4011	N	Dayton	Ave	1427210022	Tossell, Lance	2/23/2016	\$3,439.50	overhead sewer line
206	1426	W	Daytona	Dr	1417378006	Slepian, Rosalee	6/28/2002	\$5,880.00	underdrains in yard
207	1500	W	Daytona	Dr	1417378005	Basile, Samuel	5/1/2003	\$7,500.00	Gabion basket installation
208	1711	W	Daytona	Dr	1417305038	Symmonds, Ellis	7/8/2009	\$5,520.00	Gabion basket installation
209	701	W	Deerbrook	Dr	929278001	Frautschy, Thomas	12/12/1988	\$325.00	storm drain installation
210	940	W	Deerbrook	Dr	929253013	Knost, James	8/19/1996	\$7,500.00	storm drain extension
211	822	W	Deerbrook	Dr	929278001	Thieman, Tom	10/20/1997	\$625.86	ditch lining
212	918	W	Deerbrook	Dr.	929253015	Catherine Humy		\$10,000.00	Replace retaining walls
213	3112	N	Delmar	Ct	1428355034	Crusen, David	1/2/2003	\$2,962.50	sewage injector installation
214	2008	W	Delray	Dr	1418276008	Hoffman, Harold	4/20/2007	\$3,510.00	catch basin installation
215	2012	W	Delray	Dr	1418276007	McWhirter, Jeffrey	4/20/2007	\$6,255.00	Gabion basket installation
216	2016	W	Delray	Dr	1418276006	Coffey, Brian	4/20/2007	\$7,500.00	Gabion basket installation
217	2024	W	Delray	Dr	1418276005	Borop, James	4/20/2007	\$3,750.00	Gabion basket and rip rap installation
218	2033	W	Delray	Dr	1418227007	Tamer, Dumet	6/4/2007	\$7,411.50	Gabion basket installation
219	7710	N	Derby	Rd	1410176002	Nippert, Andy	9/21/2010	\$6,541.50	Clean out ditch and add rip raff
220	7536	N	Derby	Rd	1410152002	Fleishauer, Michael	10/7/2010	\$3,975.00	install manhole and clean out drainage ditch
221	7528	N	Derby	Rd	1410152003	Miller, Ross	10/8/2010	\$2,839.50	clean out drainage ditch
222	7526	N	Derby	Rd	1410176004	Cusack, Daniel	10/18/2010	\$3,750.00	clean out drainage ditch
223	7710	N	Derby	Rd	1410176002	Nippert, Andy	8/6/2014	\$958.50	
224	7710	N	Derby	Rd.	1410146002	Andrew Nippert	1/10/2022	\$5,264.50	Remediate ditch, add new culverts and riprap
225	304	W	Detweiller	Dr	1404379038	Binns, Loretta	3/30/1990	\$500.00	replaced retaining wall
226	230	W	Detweiller	Dr	1404379018	Sicher, Nancy	2/14/1996	\$7,500.00	backyard erosion control
227	236	W	Detweiller	Dr	1404379026	Morrissey, Thomas	11/6/1998	\$7,500.00	drainage pipe installation
228	203	W	Detweiller	Dr	1404326030	Markoski, Thomas	3/7/2000	\$7,500.00	Gabion basket installation and ditch lining
229	213	W	Detweiller	Dr	1404326039	Muir, Eloise	3/7/2000	\$7,500.00	Gabion basket installation and ditch lining
230	223	W	Detweiller	Dr	1404326032	Klesath, Harold	3/7/2000	\$7,500.00	Gabion basket installation and ditch lining
231	161	W	Detweiller	Dr	1404326029	Piper, Nancy	3/31/2000	\$7,500.00	Gabion basket installation
232	149	W	Detweiller	Dr	1404326027	Newman, Betty	4/7/2000	\$7,500.00	Gabion basket installation
233	151	W	Detweiller	Dr	1404326028	Pratt, Robert	4/8/2000	\$7,500.00	Gabion basket installation and ditch lining
234	234	W	Detweiller	Dr	1404379025	Eder, Rebecca and Shile, Peter	1/17/2002	\$7,500.00	sheet pile wall
235	516	W	Detweiller	Dr	1404303007	Tagge, Bruce	7/26/2005	\$205.90	underdrain in yard
236	600	W	Detweiller	Dr	1404303005	Merna, Tom and Lisa	6/25/2013	\$6,300.00	grade adjustment, tile work, landscape, and lawn installation
237	255	W	Detweiller Dr	Dr	1404326044	Timothy/ Kristin Hoyt	12/29/2020	\$3,562.50	N/A
238	1514	W	Devereux	Dr	1417380004	Cook, John	7/19/1984	\$1,196.45	rr tie wall
239	1602	W	Devereux	Dr	1417380001	Bloomfield, Beverly	11/28/1984	\$6,500.00	retaining Wall
240	1508	W	Devereux	Dr	1417380005	Easter, Robert	8/4/1986	\$924.67	rr tie wall
241	1600	W	Devereux	Dr	1417380002	MacMillan, Ralph	9/8/1989	\$2,375.00	Timber Retaining Wall
242	1410	W	Devereux	Dr	1417380010	Hinds, Robert	4/24/1990	\$1,333.50	rr tie wall
243	1603	W	Devereux	Dr	1417378016	Ginn, Jack	5/6/1992	\$1,191.36	Timber Retaining Wall
244	1638	W	Devereux	Dr	1417357004	Thomas, Joseph	7/27/1994	\$7,500.00	Concrete retaining wall
245	1644	W	Devereux	Dr	1417357002	Blank, Jeff	5/31/1996	\$7,290.00	retaining wall
246	1430	W	Devereux	Dr	1417380007	Grimm, Fred	3/17/1997	\$5,169.64	revetment mat
247	1509	W	Devereux	Dr	1417379005	Gould, Timothy	9/17/2001	\$7,500.00	Gabion basket installation
248	2204	W	Dover	Ct	930256012	Lang, Norman	1/8/2009	\$7,425.00	French drain installation
249	2200	W	Dover	Ct	930256013	Schwier, Jennifer	5/11/2009	\$7,350.00	swale extension
250	2201	W	Dover	Ct	930256007	Devanna, Gregg	10/7/2010	\$3,750.00	install underground drains
251	7012		Downey	Ln	1408404030	Clark, Tom	5/6/1991	\$5,000.00	Timber Retaining Wall
252	7012		Downey	Ln	1408404030	Clark, Tom	11/2/1999	\$2,500.00	Retaining Walls
253	3425	N	Dries	Ln	1429302003	Dries Lane Partnership	5/24/2011	\$7,500.00	Gabion basket installation
254	1817	W	Dunrobin	Ct	1420152008	Gabehart, Joshua	6/11/2015	\$2,362.50	regrading, yard drains, raingarden
255	8723	N	East	Ct	1404151011	Roger, Dave	6/14/2002	\$7,500.00	Gabion basket installation
256	8725	N	East	Ct	1404152001	Clark, Rebecca	6/14/2002	\$5,482.50	yard inlets and pipe to ravine with gabions
257	136	E	Elaine	Ave	1421202011	Naderhoff, Bruce	6/13/2001	\$10,000.00	Gabion basket installation
258	208	E	Elaine	Ave	1421202012	Ista, Ruth	6/13/2001	\$10,000.00	Gabion basket installation

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259	2415	N	Ellis	St	1433301010	Mrs Gardner	11/8/1983	\$1,000.00	regrade alley
260	5925	N	Elm	Ln	1416402009	David Thompson	8/9/2021	\$7,500.00	Remove and replace retaining wall. Excavate and backfill
261	908	E	Elmhurst	Ave	1427357002	Hopkins, Earl	9/8/1993	\$785.00	sanitary gate valve
262	908	E	Elmhurst	Ave	1427357002	Hopkins, Earl	6/28/2002	\$3,500.00	sanitary ejector sump pump
263	319	E	Elmhurst	Ave	1428456017	Lakin, Ryan	6/18/2010	\$900.00	Regrading the yard
264	907	E	Elmhurst	Ave	1427356011	Potter, Eric	5/1/2013	\$600.00	gate valve
265	3127	N	Emery	Ave	1429459009	White, Ann	8/12/2002	\$2,452.50	sanitary ejector sump pump
266			Euclid	Ave		Village of Peoria Heights	1/1/2008	\$7,500.00	drainage improvement project
267	2728	W	Eugenie	Ave	1419304009	Serritella, Jerry	5/19/1983	NA	NA
268	3533	N	Evergreen	Ct	1428301007	Harris, Olivure	4/8/1983	NA	suggested yard is regrade
269	4911	N	Executive	Dr	1420253001	Prairie Properties	3/5/1997	\$7,500.00	Improve detention pond
270	5611	N	Fairmont	Dr	1417476011	Hayes, Richard	10/20/2015	\$7,406.25	grading and seeding
271	1111	N	Farmington	Rd	1805302020	Shoff, Valie	8/11/2009	\$1,571.25	installed surface drain
272	6704	N	Fawndale	St	1311483018	Miller, Hugh	10/5/1988	\$2,405.00	repaved parking lot
273	813	N	Fernwood	Circle	1702451024	Abraham, George	6/24/1999	\$6,679.50	gabion basket installation
274	5434	W	Fieldstone	Dr	1310478002	Stortz, Barry	9/8/2010	\$7,500.00	Timber Retaining Wall
275	6905	N	Flagstone	Ct	1311351010	Pletkovich, John	5/18/2009	\$7,500.00	Gabion basket installation
276	3006	W	Flint	Ave	1431352011	Biggs, Cate	5/14/2010	\$3,500.00	install retaining wall
277	420	W	Florence	Ave	1428303008	Brackley, Robert	4/21/1987	\$446.51	gate/backwater valve and sump pump
278			Florence	Ave		Wiegand Concrete Products Inc	3/27/1991	\$1,050.00	curb removal and ditch pouring
279	519	W	Florence	Ave	1428301021	Paine, John	7/31/1991	\$3,122.38	installed tie wall
280	525	W	Florence	Ave	1428301019	Tillmans, Barbara	7/9/2002	\$4,941.00	wedgerock retaining wall
281	521	W	Florence	Ave	1428301020	McMurray, James	8/26/2002	\$7,275.00	wedgerock retaining wall
282	517	W	Florence	Ave	1428301022	Baird, Richard	1/7/2004	\$5,962.50	wedge rock wall
283	421	W	Florence	Ave	1428301026	Leman, Cora	6/15/2004	\$4,989.30	install retaining wall
284	1204	W	Florence	Ave	1429403006	Smith, Odis	4/1/2009	\$7,500.00	replaced collapsed flood wall
285	1610	W	Forrest Hill	Ave	1432103003	Renner, Robert	8/8/1990	\$475.00	underground drainage pipe
286	611	W	Forrest Hill	Ave	1428355048	Koch, Michael	4/29/1991	\$1,390.00	rr tie wall
287	805	W	Forrest Hill	Ave	1429482015	Scotti, Greg	3/28/1994	\$1,200.00	gate and check valve
288	321	W	Forrest Hill	Ave	1428376051	Huyck, William	5/27/1994	\$7,488.75	retaining wall
289	321	W	Forrest Hill	Ave	1428376051	Huyck, William	9/11/1995	\$15,750.00	replaced retaining wall (city caused, city replaced)
290	537	W	Forrest Hill	Ave	1428376051	Evers, David	9/4/2002	\$1,102.50	underdrain in yard
291	1000	E	Forrest Hill	Ave	1434103001	Biehl, Jack	10/8/2008	\$1,143.75	gate/backwater valve
292	211	W	Forrest Hill	Ave	1428377030	Baer, Sharon	9/15/2010	\$1,725.00	sump pump
293	211	W	Forrest Hill	Ave	1428377030	Baer, Sharon	10/29/2010	\$1,687.50	regrading yard
294	807	W	Forrest Hill	Ave	1429482014	Reardon, Richard	5/9/2014	\$1,012.50	back water valve
295	211	W	Forrest Hill	Ave	1428377030	Baer, Sharon	8/12/2014	\$5,812.50	excavation and installation of catch basins and piping
296	405	E	Forrest Hill	Ave	1428457020	Sam Property Group IV, LLC	1/27/2015	\$5,850.00	wildcat sewer install ejector pit
297	314	W	Forrest Hill	Ave	1433126003	Albright, Jennifer	6/4/2015	\$7,500.00	retaining wall put in wrong place in floodplain. Rembursement on hold
298	725	E	Forrest Hill	Ave	1428482009	Sandra Beveridge-First English Lutheran Church	8/12/2020	\$7,500.00	install new concrete riser.
299	3032	W	Forsythe	Ct	1407304022	Baker, Roger	5/28/1998	\$4,807.50	manhole installation
300	3026	W	Forsythe	Ct	1407304023	Regehr, Ron	6/17/1998	\$2,587.50	manhole and pipes
301	3111	W	Forsythe	Ct	1407304023	Weidner, Michelle	6/16/2010	\$7,500.00	surface drain
302	3210	W	Forsythe	Rd	1312428004	Karlowicz, Tobias & Rebecca	8/23/2019	\$7,087.50	
303	7111	N	Foxpoint	Dr	1409329023	Biltgen, Gary	1/12/1994	\$1,075.00	Timber Retaining Wall
304	6706	N	Foxpoint	Dr	1409378016	Rao, Serin	7/14/2016	\$3,450.00	rain garden, grading, swale and drains
305	6419	N	Frostwood	Pkwy	1409329023	Steenburgen, Gerald	6/24/1999	\$5,416.31	wedgerock retaining wall
306	9110	N	Frye	Rd	0929304020	Grimm, Bernard	10/4/1993	\$7,500.00	Timber Retaining Wall
307	9020	N	Frye	Rd	1405227001	Gurdian, Alvaro	5/4/1995	\$2,667.68	install manhole and pipe
308	9301	N	Frye	Rd	0929304026	Palka, William	10/2/1995	\$7,500.00	double terrace wall
309	9210	N	Frye	Rd	0929304024	Howard, Demaceo	10/12/1995	\$7,500.00	retaining wall
310	9303	N	Frye	Rd	0929304027	Riebel, William	11/22/1996	\$6,217.50	Timber Retaining Wall
311	9218	N	Frye	Rd	0929304025	Davis, John	1/3/1997	\$7,500.00	2 retaining walls
312	8924	N	Frye	Rd	1405229027	Edgewood Nursery	8/3/2000	\$1,640.25	renovation of culvert
313	8928	N	Frye	Rd	1405229002	Cox, Brad	8/3/2000	\$2,124.75	Pipe in ditch along edge of road
314	8923	N	Frye	Rd	1405226020	Reeves, Norman	8/29/2000	\$7,500.00	gabion basket installation
315	8929	N	Frye	Rd	1405226010	Collins, Kevin	8/29/2000	\$7,500.00	gabion basket installation
316	8935	N	Frye	Rd	1405226009	Neckel, Don	8/29/2000	\$7,500.00	gabion basket installation
317	9005	N	Frye	Rd	1405226008	Singh, Pi Yush	8/29/2000	\$7,500.00	gabion basket installation
318	9015	N	Frye	Rd	1405226007	Fletcher, James	8/29/2000	\$7,500.00	gabion basket installation
319	9025	N	Frye	Rd	1405226006	Andrews, Bruce	8/29/2000	\$7,500.00	gabion basket installation
320	9105	N	Frye	Rd	0929304018	Thomas, Ivan	8/29/2000	\$7,500.00	gabion basket installation
321	9127	N	Frye	Rd	0929304023	Chave, Walter	8/29/2000	\$7,500.00	gabion basket installation
322	9125	N	Frye	Rd	0929304022	Chave, Walter	8/30/2000	\$7,500.00	gabion basket installation
323	9005	N	Frye	Rd	1405226008	Krumholz, David	3/24/2003	\$7,500.00	gabion basket installation

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324	9106	N	Frye	Rd	0929304019	Warner, Kathleen	9/26/2012	\$6,337.50	gabion checks installed, precast drain installed at the end of the existing drainage swail
325	9122	N	Frye	Rd	0929304021	Walcott, Perry	8/12/2013	\$7,500.00	Slide repair
326	10628	N	Galena	Rd	0929304028	Stahl, Eldon - Medina Township	6/10/1997	\$7,500.00	Gabion basket installation
327	4209	N	Gate Ridge	Rd	0929304029	Downs, Robert L	6/28/1990	\$3,957.50	Install retaining wall
328	1725	W	Geneva	Rd	0929304031	Knowles, Richard	6/24/2009	\$7,500.00	gabion basket installation
329	1634	W	Geneva	Rd	0929304030	Ebert, Norma	9/27/2010	\$1,622.25	Regrading lawn
330	1716	W	Geneva	Rd	929356001	Stacey & Paul Perrilles	7/29/2019	\$3,435.00	
331	2129	W	Geneva	Rd	930455006	Fei Wang	4/13/2021	\$4,410.00	Install gabion baskets and repair retaining wall
332	2135	W	Geneva	Rd	930455007	Scott Coulier	4/13/2021	\$4,725.00	Excavate level wall area along creek. Install gabion baskets
333	2038	W	Geneva	Rd	930486001	Sudheer Sajja	8/20/2021	\$7,500.00	Creek erosion and gabion work
334	2102	W	Gerald	Dr	0930478007	Ferrell, David M	2/13/2017	\$7,500.00	gabion basket installation
335	2008	W	Gerald	Dr	930478012	Xin Liu	10/5/2021	\$7,500.00	Construct a retaining wall structure using gabion baskets to prevent erosion.
336	1100	W	Gift	Ave	1432257003	Otto, Robert	11/18/1984	\$2,202.46	culvert repair
337	1011	E	Gift	Ave	1434156020	LoPiccolo, Mary	3/27/1997	\$1,170.00	back water valve and sump pump
338	1022	E	Gift	Ave	1434157009	Heckman, Jeff	6/28/2004	\$1,102.50	backflow valve
339	1707	W	Gilbert	Ave	1432105019	Hardy, Warren	10/1/1985	NA	reattach drainaige pipe
340	1000	W	Gilbert	Ave	1432209014	Oxenfeldt, David	9/30/1997	\$1,012.50	back water valve
341	2520	W	Gilbert	Ave	1431177012	Phares, Roberta	2/26/2004	\$7,500.00	gabion basket installation
342	2602	W	Gilbert	Ave	1431177011	Burke, Bill	2/26/2004	\$7,500.00	gabion basket installation
343	2919	W	Gilbert	Ave	1431104017	Shinn, Carol	4/18/2011	\$7,455.00	install 5 drainage basins
344	2606	W	Gilbert	Ave	1431177010	Manthey, Alice	4/20/2011	\$5,643.75	gabion basket installation
345	1106	W	Gilbert	Ave	143220902	Turner, Willie	8/20/2014	\$7,500.00	installed saddle on main sewer line
346	2218	W	Glen	Ave	1419402009	Fey, Bud	1/24/1994	\$12,500.00	Retaining Wall
347	2218	W	Glen	Ave	1419402009	Fey, Bud	6/8/1994	\$1,196.00	Chain link fence
348	2210	W	Glen	Ave	1419402010	Sheets, Donald	9/1/1995	\$12,813.75	revetment mat
349	2214	W	Glen	Ave	1419402011	Bothast, Brian	9/1/1995	\$2,321.25	revetment mat
350	302	E	Glen	Ave	1421402001	Rakoff, Henry	9/29/1997	\$7,500.00	gabion basket installation
351	1424	W	Glen	Ave	1420326023	Boyd, Thomas	12/12/2002	\$7,500.00	gabion basket installation
352	1524	W	Glen	Ave	1420326025	Benningfield & Associates	12/12/2002	\$7,500.00	gabion basket installation
353	3222	W	Glen	Ave	1324426059	Schmitz, August	10/17/2003	\$7,500.00	drainage basin improvements
354	3118	W	Glen	Ave	1324426014	Bishop, Steve	6/29/2006	\$5,821.50	rr tie wall
355	5514	W	Glen Elm	Dr	1421226025	Barnes, Edgar	6/25/2001	\$9,800.00	gabion basket installation
356	1516	NE	Glen Oak	Ave	1803128007	Maloof Realty	7/26/1994	\$802.50	gate check valve
357	9819	N	Golden Oak	Ct	933151016	Green, Jeff	10/21/2002	\$7,500.00	gabion baskets
358	9818	N	Golden Oak	Ct	933151023	Schoeplein, Kevin	11/4/2002	\$7,500.00	gabion baskets
359	3712	W	Golf Creek	Dr	1312177021	Morgan, Shirley	7/19/2010	\$6,360.00	catch basin installation
360	5720	N	Graceland	Dr	1417354001	Wernsman, Roger	5/17/2005	\$7,395.00	gabion baskets
361	5910	N	Graceland	Dr	1417305010	John, Sanjay	4/22/2017	\$7,408.50	gabion baskets
362	5817	N	Graceland	Dr	1417304013	Allen, Jessica	5/24/2019		
363	4122	N	Grand	Blvd	1427226004	Dina, Mike	9/17/2002	\$7,335.00	gabion baskets
364	4212	N	Grand	Blvd	1427226002	Lord, William	9/17/2002	\$7,335.00	gabion baskets
365	809	W	Grand Oak	Dr	929428011	Moresco, Kenneth	9/29/2014	\$7,500.00	terraced timber retaining wall
366	4700	N	Grandview	Dr	1426103001	Country Club of Peoria	2/6/2019	\$7,500.00	grading and rock in swale/creek between 4025 Harmon and 2321 E Bishop
367	2302	E	Grandview	Ave	1426177015	Scott Camahan		\$10,000.00	Repair failing timber retaining wall along property line/driveway
368	1720	N	Great Oak	Rd	1806102020	Upgrade Development Corp	11/29/1995	\$7,500.00	storm sewer repair
369	2930	W	Greenbrier	Ln	1418155005	O'Connel, Timothy	4/27/2000	\$5,550.00	retaining wall
370	1131	W	Greenfield	Dr	1408401006	Ziffren, Randy	5/6/1992	\$1,625.00	2 walls on patio
371	1014	W	Greenfield	Dr	1408404007	Epley, Virginia	6/10/2002	\$2,602.25	Timber Retaining Wall
372	6601	N	Greenmont	Rd	1418126014	Illuzzi, Mike	5/17/1996	\$1,465.67	new storm drain line
373	3430	W	Grimson	Ave	1324454017	Garrett, Harold	4/26/2000	\$5,778.75	gabion baskets
374	8800	N	Hale	Ave	1405251010	Krumholz, William	1/19/2001	\$7,500.00	gabion baskets
375	8627	N	Hale	St	1405251010	Krumholz, William	8/17/2011	\$6,900.00	gabion baskets
376	5505	N	Hamilton	Rd	1418452009	Etter, Dick	5/16/1983	NA	regrade yard
377	6129	N	Hamilton	Rd	1418254014	Fondriest, Terrance	3/8/1993	\$946.50	catch basin installation
378	5729	N	Hamilton	Rd	1418403024	Burr, Harrison	6/18/1993	\$4,685.00	culvert installation
379	6145	N	Hamilton	Rd	1418254011	Harms, Leroy	11/9/1993	\$1,191.50	grading yard
380	5104	N	Hamilton	Rd	1419254005	Hickman, Daniel	6/13/1996	\$680.52	storm drain repair
381	6145	N	Hamilton	Rd	1418254011	Harms, Leroy	7/8/1996	\$885.00	installing drain
382	6123	N	Hamilton	Rd	1418254015	Mildred Render	8/1/1996	\$656.25	underdrain in yard
383	6320	N	Hamilton	Rd	1418254011	Gregorski, Kay	9/15/1998	\$7,500.00	gabion baskets
384	5727	N	Hamilton	Rd	1418403056	Doran, Dennis	10/24/2000	\$7,500.00	gabion baskets
385	800	W	Hampshire	Rd	1420227049	Graham, Robert	4/13/1992	\$1,582.22	install 160" pipe
386	727	W	Hampshire	Rd	1420226044	Podany, Daniel	4/4/2012	\$6,900.00	Catch basin installation / piping
387	440	W	Hampton	Ct	1433355001	Bevis, Bill	1984	NA	NA
388	2142	N	Hampton	Ct	1433305032	Deluhery, Bill	5/24/1983	NA	gravel behind wall

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#	House Number	Street Dir	Street Name	Street Extension	PIN	Owner at time of Participation	Date of Agreement	Amount of City Contribution	Comments
389	2138	N	Hampton	Ct	1433305033	Scaby, Ed	9/10/1985	\$369.73	retaining wall along creek
390	2145	N	Hampton	Ct.	1433354001	Walter Fitton	4/4/2022	\$5,737.50	Remediate erosion and prevent additional erosion
391	323	W	Hannsler	Pl	1433133019	Christie, Jolene	12/3/2001	\$7,500.00	gabion baskets
392	323	W	Hannsler	Pl	1433133019	Christie, Jolene	4/30/2004	\$7,500.00	gabion baskets
393	323	W	Hannsler	Pl	1433133019	Graham, Virginia	4/23/1982	none	private property, city not involved
394	311	W	Hannsler	Pl	1433133021	Whetstone, Mike	11/8/2001	\$5,475.00	gabion baskets
395	4015	N	Harmon	Ave	1426128002	Kella, William	10/4/1991	\$312.96	Timber Retaining Wall
396	4025	N	Harmon	Ave	1426128001	Kaeser, Kenneth	4/2/1997	\$6,635.47	metal culvert installation
397	4025	N	Harmon	Ave	1426128001	Johnston, Timothy	2/6/2019	\$7,500.00	grading and rock in swale/creek between 4025 Harmon and 2321 E Bishop
398	2611	N	Harper	Terr	1431277018	Speirs, Walter	12/21/1993	\$994.36	installation of drainage tile
399	3907	N	Harvard	Ave	1426151001	Downey, Michael	4/11/1997	\$7,500.00	gabion baskets
400	2103	E	Harvard	Ave	1426354018	Love, Ron	10/10/2005	\$3,820.28	replaced curb
401	3711	N	Harvard	Ave	1426151008	Koszuta, Robert	3/19/2009	\$7,125.00	gabion baskets
402	4013	N	Hawthorne	Pl	1428128031	Lauerman, Monica	10/17/2002	\$1,038.00	yard drains and underdrains
403	4627	W	Heatherwood	Dr	1311402005	Chan, Howard	11/1/1993	\$1,722.00	drainage line and sidewalk
404	4620	W	Heatherwood	Dr	1311403006	Bonfoey, Steve	12/18/2002	\$6,854.18	gabion, sediment trap, and shoreline protection
405	4634	W	Heatherwood	Dr	1311403005	Willaims, O.W.	12/18/2002	\$7,455.83	gabion baskets
406	4718	W	Heidi	Ct	1314253001	Varda, John	6/2/2009	\$2,625.00	sump pump drainage system
407	11321	N	Hickory Woods	Ct	929204005	Monk, Christopher	11/6/2012	\$1,650.00	sod approximatley 5000 sf for drainage improvement
408	11403	N	Hickory Woods	Ct	929204004	Bousky, Joseph	11/26/2012	\$3,341.04	sod approximatley 5000 sf for drainage improvement
409	11300	N	Hickory Woods	Ct	929205019	Blank, Jeff and Jill	4/26/2016	\$2,100.00	12" ADS piping to connect to City storm sewer and neighbors manhole (see also 11205 Oak
410	711	E	High Point	Terr	1409477008	Public	6/27/1991	\$9,732.00	Culvert replacement
411	600	E	High Point	Rd	1409426015	Pearl, John	7/31/1991	\$5,000.00	finished retaining wall
412	635	E	High Point	Terr	1409477001	Public	11/5/1991	\$4,980.00	catch basin with grate
413	567	E	High Point	Ln	1409426011	Wise, Kent	4/24/1995	\$7,500.00	replace sheet pile wall
414	600	E	High Point	Ln	1409426015	Pearl, John	4/24/1995	\$2,500.00	replace sheet pile wall
415	636	E	High Point	Terr	1409476002	Colligan, Bruce	9/20/2006	\$7,500.00	replace curb
416	434	N	High Point	Rd	1409405006	Public	7/10/2007	\$1,500.00	reconnect and reinforce drain pipes
417	312	E	High Point	Ln	1416202001	Barclay, Peter	5/9/2008	\$7,500.00	retaining wall
418	461	E	High Point	Ln	1409401002	McKay, Christine	10/7/2010	\$3,128.25	storm sewer and catch basins
419	437	E	High Point	Dr	1409402008	Crowder, John	8/17/2012	\$6,052.50	drainage improvement project
420	304	E	High Point	Rd	1416201001	Maske, Mark	6/12/2013	\$7,500.00	extend drain pipe and remove and replace retaining wall
421	452	E	High Point	Rd	1409405004	Thomasson, Dennis	5/29/2014	\$5,614.28	slope restoration
422	460	E	High Point	Rd	1409405004	Ketterer, Mark	5/29/2014	\$5,614.27	slope restoration
423	519	E	High Point	Rd	1409426006	Swischuk, James	3/23/2017	\$7,500.00	retaining wall
424	475	E	High Point	Dr	1409401007	Day, Leah	10/2/2017	\$7,500.00	retaining wall and yard drains
425	767	E	High Point	Terr	1409479007	McCallister, Jacquelin & Van	6/21/2019	\$7,125.00	
426	1311	E	Hillcrest	Pl	1434382010	Public	5/4/2010	\$750.00	serviced sewer
427	7321	N	Hillrose	Pl	1409157004	Scherer, Jim	4/15/2016	\$7,125.00	gabion baskets
428	1401	W	Holly Hedges	Dr	1417380024	Stables, Donald	10/16/1990	\$5,000.00	RR tie wall
429	1503	W	Holly Hedges	Dr	1417380021	Kenney, Jerome	5/3/1994	\$7,500.00	concrete retaining wall
430	1509	W	Holly Hedges	Dr	1417380020	Patel, JC	5/3/1994	\$7,500.00	Concrete retaining wall
431	1539	W	Holly Hedges	Dr	1417380016	Baman, Sudhaker	7/10/1995	\$7,500.00	concrete retaining wall
432	1401	W	Holly Hedges	Dr	1417380024	Stables, Donald	2/16/1996	\$490.25	drainage improvements
433	1520	W	Holly Hedges	Dr	1417381021	Joel Hoerr	5/23/2016	\$5,962.50	install yard drains and pipe connect to City inlet
434	1524	W	Holly Hedges	Dr	1417381005	Jan Mueller	5/23/2016	\$5,962.50	install yard drains and pipe connect to City inlet
435	2037	W	Hudson	St	1430476020	Wright, Daisey	4/27/1982	NA	NA
436	6825	N	Hunters Trace		1409376015	Anderson, Tim	1984	NA	NA
437	6927	N	Hunters Trace		1409376011	Kellogg, Charles	6/17/1993	\$3,052.25	sump pump
438	2825	W	Huntington	Dr	1418376005	Briggs, Curtisteen	8/23/2011	\$4,125.00	retaining wall
439	2609	W	Huntington	Dr	1418376017	Trlinkis, Paul	5/4/2020	\$4,049.25	repair wall erosion from overtopping of storm water from street
440	2311	N	Idaho	St	1431302022	Stenson, Celena	8/5/2015	\$3,570.00	drain pipe
441	513	E	Illinois	Ave.	1804230034	Jane Genzel		\$4,687.50	Prevent water from running off the alley and flooding backyards of 513 & 515 E. Illinois
442	515	E	Illinois	Ave.	1804230035	Jane Genzel		\$4,687.50	Prevent water from running off the alley and flooding backyards of 513 & 515 E. Illinois
443	6308	N	Imperial	Dr	1418280009	DelVecchio, Kerry	5/18/1994	\$1,029.00	regrading yard
444	6548	N	Imperial	Dr	1418228019	Shuck-Hoehne, Pamela	9/28/1995	\$686.09	Timber Retaining Wall
445	2317	W	Imperial	Dr	1418227049	Underwood, Robert	9/2/1998	\$6,397.77	creek bank protection
446	6539	N	Imperial	Dr	1418227027	Ewald, Theodore	9/17/2008	\$7,500.00	gabion baskets
447	6545	N	Imperial	Dr	1418227026	Ascherl, Chip	12/8/2008	\$3,318.75	gabion baskets
448	6116	N	Imperial	Dr	1418280017	Frey, Chuck	8/5/2011	\$5,500.00	catch basin
449	2434	W	Imperial	Dr	1407456016	Gaca, David	4/29/2015	\$1,560.00	drainage
450	2434	W	Imperial	Dr	1407456016	Gaca, David	8/19/2015	\$4,031.25	tap sumpline into storm drain
451	1813	N	Indiana	Ave	1804227024	Martin, Michael	2/17/2015	\$7,500.00	Emergency wildcat repair
452	7006	N	Ironwood	Dr	1310328004	Martin, John	5/1/2019	\$2,542.50	french drain system in rear yard

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453	5426	N	Isabell	Ave	1420226001	Adams, Isabell	4/26/1983	NA	ditch widening
454	5911	N	Isabell	Ave	1417405014	Farmer, Philips	5/4/1990	\$4,657.50	retaining wall and chain link fence
455	5016	N	Isabell	Ave	1420276009	Joos, John	3/5/1997	\$3,975.00	paved ditch and drain pipe
456	5010	N	Isabell	Ave	1420276010	Tobin, Charles	7/1/1997	\$3,975.00	install new sewer drain
457	4919	N	Isabell	Ave	1420252025	Weerts, William	7/23/1997	\$1,481.50	regrading yard and installing drain pipe
458	3217	N	Isabell	Ave	1429452021	Rushing, Bobbi	8/13/2015	\$870.00	drainage boxes
459	3114	N	Isabelle	Ave	1429457005	Crawley, Leo	8/8/1972	NA	NA
460	5811	W	Ivybridge	Pl	1310401018	Franco, Kenneth	9/21/2010	\$5,625.00	stone retaining wall
461	5140	N	Jacobs	Ln	1421176009	Jacobs, Gary	5/30/2014	\$4,550.00	
462	5140	N	Jacobs	Ln	1421176012	Jacobs, Gary	5/30/2014	\$2,550.00	
463	5140	N	Jacobs	Ln	1421176013	Jacobs, Gary	5/30/2014	\$2,850.00	
464	9937	N	Jamaica	Dr	932252010	Stash, Frank	10/13/1995	\$3,513.75	regrading yard and sump pump
465	9931	N	Jamaica	Dr	932252011	Christe, Steven	7/12/1996	\$600.00	reroute sump pump line including extension
466	9930	N	Jamaica	Dr	932253021	Bennett, Russell	3/30/2007	\$4,634.70	garage floor and sump pump
467	5437	N	James	Rd	1419101018	Bradley, Wanda	4/6/2016	\$7,500.00	
468	6440	N	Jamestown	Rd	1313276015	Couri, Timothy	7/1/2013	\$7,237.50	gabion baskets
469	11101	N	Jason	Dr	930277018	Samara, Raymond	10/30/2012	\$1,987.50	Extend sump pump drainage line & tie into back side of storm drain
470	11111	N	Jason	Dr	930277019	Balding, Shawn	10/30/2012	\$1,162.50	Extend sump pump drainage line & tie into back side of storm drain
471	1516	W	John H Gwynn J	Ave	1808180002	Murray, Dorothy	6/4/2013	\$7,500.00	removed old tie wall and reconstructed new timber wall
472	4946	N	Joos	Ct	1419279012	Stalley, Mitch	6/15/1983	NA	pour collar around pipe
473	2020	W	Jubilee	Ln	930238001	Moore, Sue E.	8/31/2015	\$4,147.50	regrade and swale
474	5207	N	Karen	Ct	1419105014	Gabbert, Chuck	7/12/2010	\$5,831.25	connection foundation to drain pipes
475	3302	N	Kentwood	Ct	1428376014	Elias, Fred	3/6/1997	\$849.00	gate/check valve
476	2922	W	Kenwood	Ave	1806353012	Jackson, Brenda	7/15/2014	\$521.25	
477	7004	N	Kerwood	Dr	1408430004	Reading, Jim	11/17/1987	\$2,161.00	install curb
478	2214	W	Kettelle	St	1807476003	Tapley, Robin	6/10/2014	\$85.50	materials to redirect waterflow to prevent flooding
479	303	N	Kickapoo	Terr	1807176003	Montgomery, Robert	10/27/2008	\$7,500.00	gabion baskets in creek
480	307	N	Kickapoo	Terr	1807176012	Jolliff, Merle	11/14/2008	\$5,250.00	gabion baskets
481	6920	N	Kimberly	Dr	1408380004	Zehr, Roger	8/4/2004	\$3,300.00	water detention basin
482	6808	N	Kimberly	Dr	1408380012	Johnson, Harry	3/26/2008	\$5,505.00	install drainage tile
483	6914	N	Kimberly	Dr	1408380005	Wight, Larry	10/29/2008	\$5,025.00	drains in yard
484	2601	N	Kingston	Dr	1431152010	Day, Robert	12/29/1986	\$2,200.00	inlet replacement-same project as 2600
485	2600	N	Kingston	Dr	1431153004	Hasler, Jack	4/14/1987	\$195.00	inlet replacement-same project as 2601
486	2901	W	Kingston	Ct	1431153009	Densberger, Rita	7/24/1995	\$7,500.00	retaining wall
487	2911	W	Kingston	Ct	1431151012	Schwarzwalder, Richard	3/4/2005	\$4,800.00	pipe in ditch and gabion baskets in outfall
488	3415	W	Kiva	Ct	1325402028	Scheffler, Paula	11/4/1994	\$946.00	yard drains and sump pump
489	4507	W	Knoboak	Dr	1314226006	Bowlan, Brandon	7/22/2019	\$4,575.00	
490	431	W	Knollcrest	Dr	1428101018	Rahn, Molly	4/11/2007	\$3,592.50	Create a ditch and french drain
491	2834	W	Knollwood	Ct	1430352020	Durand, Winsley	12/10/2014	\$7,500.00	Timber Retaining Wall
492	1914	E	Knox	Ave	1426303007	Fulton, John	10/17/2012	\$3,825.00	concrete shoulder & spillway for erosion control
493	7417	N	Knoxville	Ave	1408283005	Peters, Anthony	3/22/1989	\$2,545.00	tie wall with a concrete ditch
494	4627	N	Knoxville	Ave	1421328024	Glenbrook Apartments	1/19/1994	\$7,500.00	install surface drains
495	6016	N	Knoxville	Ave	1416178000	Junction City Condos	9/26/1994	\$1,916.01	NA
496	4444	N	Knoxville	Ave	1421452002	Oak Cliff Condominium Association	9/24/1996	\$3,147.50	curbs and soil restoration
497	7707	N	Knoxville	Ave	1408226023	Criss Creek Condominiums	6/22/1999	\$18,855.75	gabion baskets
498	4245	N	Knoxville	Ave	1428127007	Johnson Oil Co., Inc	5/15/2000	\$7,500.00	Clean stream and install rip rap
499	4503	N	Knoxville	Ave	1421381031	Drake, Richard	8/28/2000	\$4,290.11	underdrains and yard inlets
500	6016	N	Knoxville	Ave	1416178000	Junction Oaks Condominium	5/2/2005	\$7,500.00	culvert extension and gabions in creek
501	4605	N	Knoxville	Ave	1421328029	Mead, Tyler	3/30/2007	\$5,400.00	install 30" drainage pipe
502	4615	N	Knoxville	Ave	1421328028	Brown, George	3/30/2007	\$5,400.00	install 30" drainage pipe
503	4619	N	Knoxville	Ave	1421328027	Launer, Linda	3/30/2007	\$5,400.00	install 30" drainage pipe
504	5200	N	Knoxville	Ave	1421258050	Park Edge Condos	6/28/2019	\$7,110.00	
505	3005	W	Krause	Ave	1818355027	Ogden, James	8/1/1986	\$770.00	back water valve
506	3015	W	Krause	Ave	1818355025	Sutton, Walter	9/9/1993	\$482.50	back water valve
507	10831	N	Kristin	Ct	929405004	Johnson, Barry	10/22/1996	\$1,020.00	storm sewer repair
508	10828	N	Kristin	Ct	929426001	Bond, Thomas C	8/20/2013	\$7,500.00	gabion basket, geogrid, drainage tile
509	1516	E	Lake	St	1427201051	Burns, Ponna	8/17/2009	\$7,500.00	install 285" drain pipe
510	1516	E	Lake	St	1427201051	Burns, Racheal	7/28/2014	\$1,200.00	gate/check valve
511	1121	W	Lakecrest	Dr	1429201012	Mossholder, William	5/18/2009	\$3,093.75	regrading yard
512			Laramie			Limestone Township	6/12/1992	\$2,113.60	connect two existing inlets
513	2903	W	Larchmont	Ln	1430102012	Warren, Roger	3/14/2007	\$5,025.00	catch basin and yard drains
514	2831	W	Larchmont	Ln	1430102013	Elmi, Mohamed	4/10/2007	\$3,825.00	catch basin system
515	2805	W	Larchmont	Ln	1430129002	Jon Symmonds	4/27/2021	\$6,525.00	Reline collapsing stormdrain
516	10114	N	Laurel Wood	Ct	933102004	Gummi, Darrel	11/15/1999	\$7,425.00	gabions and storm sewer restoration
517	719		Laveille	St	1803176010	Calderon, Amira	8/5/2002	\$1,200.00	Sanitary gate-check valve

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518	520	W	Lawndale	Ave	1428354012	Public	3/27/1992	\$688.00	regrading from 520 to 600 lawndale
519	600	W	Lawndale	Ave	1428354011	Public	3/27/1992		
520	3328	W	Lexington	Ct	1325202015	Potter, Lisa	7/13/2004	\$7,500.00	gabion baskets
521	3322	W	Lexington	Ct	1325202016	Sommerville, Marcellis	3/17/2008	\$7,500.00	gabion baskets
522	3328	W	Lexington	Ct	1325202015	Potter, Lisa	9/1/2009	\$5,000.00	repair gabion baskets
523	2119	W	Leyna	Dr	930227024	Khan, Asif	3/3/2004	\$7,500.00	gabion baskets
524	2107	W	Leyna	Dr	930227026	LePine, Greg	6/21/2007	\$7,500.00	gabion baskets and timber retaining wall
525	2218	W	Leyna	Dr	930256005	Bates, Greg	4/23/2009	\$1,387.50	swale to street
526	2201	W	Leyna	Dr	930227022	Dugan, Liesa	9/12/2011	\$3,516.00	French drain installation
527	2121	W	Leyna	Dr	930227023	Kim, Kenneth	8/8/2017	\$7,500.00	Timber retaining wall
528	3520	N	Linden	Ln	1428331008	Pritzker, Herschel	1982	NA	NA
529	3520	N	Linden	Ln	1428331008	Stowell, Jerry	9/27/1995	\$6,667.50	storm sewer renovation and spillway installation
530	2819	N	Linn	St	1433134005	Cunningham, Edith	8/23/1988	\$16,500.00	tie walls
531	9011	N	Locust	Ln	1405227002	Bowers, Jack	1985	NA	NA
532	9011	N	Locust	Ln	1405227002	Ribando, Curtis	4/3/1995	\$4,481.25	catch basin and yard drains
533	9000	N	Locust	Ln	1405229003	Krumholz, William	4/15/1998	\$1,113.19	catch basin in roadside ditch
534	9011	N	Locust	Ln	1405227002	Curtis Ribando		\$7,253.10	Mitigate the flooding of the yard during periods of heavy rainfall
535	5328	N	Longwood	Dr	1419229014	Loser, Cliff	6/21/1999	\$7,500.00	gabion basket
536	5623	N	Lorraine	Dr	1417378013	Habecker, Edward	5/24/1993	\$450.00	add drainage ditch
537	303	E	Lyndale	Rd	1421402014	Bennett, Wesley	4/29/1994	\$883.50	sanitary gate valve
538	205		Lynhurst			Custom Builders	6/17/1988	\$1,261.63	installed culvert
539	4719	W	Lynhurst	Dr	1311451007	Seitz, Mike	1987	\$680.00	repair storm outlet and install storm tiles
540	2214	W	Mackinac	Ct	1418403020	Rice, Bryan	4/3/2008	\$7,500.00	gabion baskets
541	2218	W	Mackinac	Ct	1418403019	Read, Damon	4/3/2008	\$7,260.00	gabion baskets
542	837	W	Main	St	1805429014	Hibbard, Sophia	11/1/2010	\$2,981.25	Concrete drainage
543	7133	N	Manning	Dr	1408404009	Hagaman, Ronald	10/21/1991	\$4,000.00	Catch basin and rip rap
544	7335	N	Manning	Dr	1408252003	Matousek, Kenneth	10/29/2002	\$7,500.00	gabion baskets
545	7308	N	Manning	Dr	1408251006	Haley, Doug	3/16/2004	\$5,895.00	gabion baskets
546	7339	N	Manning	Dr	1408252002	Proctor, Carl	11/4/2004	\$7,500.00	gabion baskets
547	5009	N	Mansfield	Dr	1419257020	Hill, Robert	10/21/1991	\$475.54	Timber Retaining Wall
548	5720	N	Mar Vista	Dr	1418453004	Public Project	4/2/1991	\$2,165.00	Install double inlet
549	5817	N	Mar Vista	Dr	1418453004	Bach, Bonnie	8/25/2006	\$3,000.00	catch basin
550	5821	N	Mar Vista	Dr	1418451014	Prusak, Max	8/25/2006	\$3,000.00	catch basin and yard drainage
551	4020	N	Marbleway	Dr	1325252002	Duke, Ted	11/6/1989	\$850.00	sump pump and garage floor replacement
552	2410	W	Marks	Pl	919454005	Lee, Jason	1/2/2016	\$5,441.25	french drain, catch basin, piping to City sewer
553	2411	W	Marks	Pl	919453010	Ryan Mahoney	7/27/2022	\$2,081.25	Build a swale to carry the runoff water away from the house, seed, fertilize and maintain.
554	1814	W	Marlene	Ct	1420303027	Heller, Paul	4/14/2000	\$6,418.50	reshaping drainage ditch
555	1817	W	Marlene	Ct	1420303026	Holmes, Cynthia	5/8/2000	\$6,862.50	reshaping drainage ditch
556	1523	W	Marlene	Ave	1420327002	Hillman, Bryan	4/18/2014	\$2,247.00	
557	2144	N	Maryland	St	1434310007	Wadley, Prentice	4/27/1992	\$475.00	sanitary gate valve
558	1020	S	Matthew	St	1817154001	Sieks, Robert	9/1/1993	\$697.50	sanitary gate valve
559	304	W	Maywood	Ave	1433128003	Roberts, Dean	5/26/1994	\$2,500.00	retaining wall
560	200	W	Maywood	Ave	1433131006	Young, William	6/9/2011	\$7,500.00	Replace retaining wall with gabion baskets
561	404	W	Maywood	Ave	1433109006	Crichton, Adam	8/11/2014	\$6,963.75	retaining wall
562	418	W	McClure	Ave	1433305003	Stovall, Earl	6/20/1996	\$6,675.00	reshaping drainage ditch
563	1023	W	McClure	Ave	1432258029	Jones, Kevin	3/11/2009	\$3,150.00	sanitary ejector sump pump
564	11217	N	Medina	Ct	928251005	Simenauer, Sonya	7/19/1999	\$7,500.00	Timber Retaining Wall
565	401	W	Melbourne	Ave	1433103013	Moore, Terry	7/12/1999	\$7,500.00	gabion baskets
566	406	W	Melbourne	Ave	1433106006	Reynolds, Mark	11/20/2008	\$2,643.75	Sanitary gate-check valve
567	407	W	Melbourne	Ave	1433103012	Tyler, Jonna	9/8/2010	\$7,500.00	French drain installation
568	424	W	Merle	Ln	1428304006	Hornecker, Robert	5/9/1991	\$639.50	Sanitary gate-check valve
569	424	W	Merle	Ln	1428304006	Hornecker, Robert	6/20/1996	\$6,714.00	replaced timber retaining wall with stone wall
570	418	W	Merle	Ln	1428304007	Foster, William	8/3/1999	\$2,564.54	replace timber retaining wall with stone wall
571	107	W	Merle	Ln	1428331017	Roland, Fred	12/3/2019	\$7,388.00	replace/rebuild retaining wall
572	2703	W	Millbrook	Ct	1430181030	Lullen, Donna	5/6/1994	\$3,768.75	drains in yard
573	3717	N	Millbrook	Rd	1430154014	Runyon, James	5/14/2007	\$7,500.00	Gabion baskets
574	7107	N	Miramar	Dr	1408301011	Horan & Company	10/28/2008	\$7,500.00	installation of new culvert
575	7107	N	Miramar	Dr	1408301011	Horan & Company	10/29/2010	\$1,538.00	install an inlet
576	4603	N	Missouri	Ave	1421402015	Trotter, Bob	5/10/2011	\$4,875.00	complete drainage system
577	3314	N	Missouri	Ave	1428453015	Trotter, Bob	5/23/2017	\$3,637.50	yard drains
578	5312	N	Montclair	Ave	1421230006	Johns, Richard	1/21/1985	NA	excavate and repair broken sewer
579	5423	N	Montclair	Ave	1421230006	Greenburg, Arthur	2/3/2006	\$589.28	driveway culvert improvement
580	5610	N	Montello	Dr	1418482004	Duncan, Michael	7/30/1996	\$2,350.50	swales and underdrains
581	11032		Moonstone	Ct.	930153001	Kirk Broders		\$4,767.00	Elevate the grading away from the house to prevent further erosion and damage to foundation of the house.

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City of Peoria, IL**

#	House Number	Street Dir	Street Name	Street Extension	PIN	Owner at time of Participation	Date of Agreement	Amount of City Contribution	Comments
582	308	E	Morningside	Dr	1409182002	Burritt, Rick	2/10/1986	\$500.00	backwater valve
583	111	E	Morningside	Dr	1409255007	Swain, Timothy	3/12/1986	\$1,500.00	back water valve
584	309	E	Morningside	Dr	1409180010	Tomlin, James	7/10/1986	\$650.00	backwater valve
585	218	E	Morningside	Dr	1409182005	Orville, Frank	7/13/1988	\$400.00	retaining wall
586	306	E	Morningside	Dr	1409182003	Morgan, Andrew	6/7/1993	\$5,000.00	retaining wall
587	201	E	Morningside	Dr	1409180016	Rose, Doug	10/13/2000	\$1,185.00	driveway improvement
588	228	E	Morningside	Dr	1409182004	Pegg, Robert	3/11/2002	\$7,500.00	Timber Retaining Wall
589	303	E	Morningside	Dr	1409180012	McNamara, Patrick	6/19/2009	\$6,341.25	regrade yard and repair irrigation system
590	210	E	Morningside	Dr	1409182006	Waters, Timothy	1/4/2010	\$7,500.00	gabion baskets
591	218	W	Morningside	Dr	1409182005	Paul, Linda	2/3/2014	\$7,100.00	
592	2633	W	Moss	Ave	1807177027	Ahitow, Rod	2/11/1987	\$4,754.50	manhole to trench sewer connection
593	2633	W	Moss	Ave	1807177027	Ahitow, Blake	5/15/2013	\$2,745.50	new timber retaining wall
594	800	W	Mossville	Rd	929428002	Juco, Francisco	4/25/1994	\$7,500.00	retaining wall
595	132	E	Mossville	Rd	928252003	Taylor, Bernard	4/27/1999	\$7,500.00	add rock to creek to prevent erosion
596	120	E	Mossville	Rd	928252002	Obear, William	5/3/1999	\$7,500.00	add rock to creek to prevent erosion
597	416	W	Mossville	Rd	928303011	Reiger, Adam	10/4/2002	\$7,500.00	gabions and rock in ravine
598	424	W	Mossville	Rd	928303018	Musselman, A.S.	10/4/2002	\$7,500.00	gabion baskets
599	500	W	Mossville	Rd	928303017	Greenway, Randy and Patricia	7/1/2015	\$7,500.00	retaining wall
600	7424	N	Mt. Hawley	Rd	1409153008	Winberry, Jerry	8/4/2006	\$7,500.00	gabion baskets
601	2200	W	Nebraska	Ave	1806203018	Calvary Baptist Bible Church	3/26/1998	\$7,500.00	gabion baskets and catch basin
602	1119	W	Nebraska	Ave	1432460018	Rojas, Edwardo	1/11/2014	\$7,500.00	installed saddle on main sewer line
603	1		News	Plaza	1426376007	Journal Star	9/25/2008	\$7,029.75	install inlets and underdrains
604	1		News	Plaza	1426376008	Journal Star	8/3/2010	\$470.25	extending storm drains
605	2		News Plaza	Dr	1426376007	Universal Adcom	9/9/2011	\$7,500.00	gabion baskets
606	3116	N	North	St	1428376025	Konvalinka, David	5/2/1983	NA	NA
607	3112	N	North	St	1428376026	Sorrentino, Carl	3/28/1985	\$850.00	sump pump and ball check and valve
608	3116	N	North	St	1428376025	Roland, James	3/28/1985	NA	sewer flushed and rodded
609	3119	N	North	St	1428355045	Roberts, Ken	3/28/1985	NA	sewer flushed and rodded
610	1802	N	North	St	1804126015	Salazar, Peter	10/1/1990	\$547.50	sanitary sewer gate-valve
611	4603	N	North	St	1421305022	Firmand, Lynette	12/8/1995	\$7,500.00	installed culvert
612	4607	N	North	St	1421305021	Bryant, Jerry	12/8/1995	\$7,500.00	installed culvert
613	4515	N	North	St	1421353011	Rutschke, Chad	3/8/1996	\$1,850.00	enclosed ditch with pipe
614	4523	N	North	St	1421353008	Grimm, Eric	3/8/1996	\$4,359.83	enclosed ditch with pipe
615	4529	N	North	St	1421353007	Fry, David	3/19/1996	\$4,890.17	enclosed ditch with pipe
616	1805	N	North	St	1804103050	Proctor, William	10/2/1998	\$840.00	sanitary gate-valve
617	718	W	North	Ln	1405276010	Bodtke, Tom	6/28/2000	\$7,500.00	gabion baskets and hillside erosion control
618	2810	N	North	St	1433133028	Hazelman, Bob	11/8/2001	\$7,050.00	gabion baskets
619	2718	N	North	St	1433133013	Baer, William	11/14/2001	\$6,510.00	gabion baskets
620	2720	N	North	St	1433133012	Block, Doug	11/14/2001	\$6,120.00	gabion baskets
621	2714	N	North	St	1433133014	Franks, Jill	12/10/2001	\$7,500.00	gabions in creek
622	4515	N	North	St	1421353011	Rutschke, Chad	8/12/2005	\$7,500.00	replaced pipe
623	2715	N	North	St	1433153008	Nailing, Geneva	8/15/2010	\$5,715.00	replace RR tie wall with wedgerock retaining wall
624	10417	N	North Forest	Trl	929477008	Bonnie, Malchow	9/21/2017	\$5,572.50	trench, drain, and slope work
625	133	W	Northaven	Ct	1409326004	Ruff, Mark	10/14/1991	\$5,000.00	Boulders in creek for erosion prevention
626	132	N	Northaven	Ct	1409326005	Johnson, Craig	11/20/1997	\$7,500.00	retaining wall along creek
627	4200	N	Northbrook	Ct	1429129026	Brackett, Kenneth	7/2/1996	\$7,500.00	retaining wall
628	4200	N	Northbrook	Ct	1429129026	Tumminelli, Connie	5/21/2009	\$7,500.00	gabion baskets
629	1103	W	Northcrest	Ave	1429253017	Veigel, Bob	5/17/2007	\$1,181.25	French drain installation
630	1111	W	Northcrest	Ave	1429253013	Annin, Mary Kate	6/18/2009	\$1,200.00	gate-check valve
631	2105	W	Northmoor	Rd	1418254027	Firestation #16	10/25/1993	\$1,440.00	drain tile to catch basin
632	1601	W	Northmoor	Rd	1417100001	Exposition Gardens, Inc.	5/1/1995	\$6,184.50	underdrain in yard
633	1601	W	Northmoor	Rd	1417100001	Heartland Water Resources	7/24/1995	\$7,400.00	rip rap
634	411	W	Northmoor	Rd	1416155014	Midstate College	5/14/2001	\$6,701.25	install 2 dry wells
635	2400	W	Northmoor	Rd	1418402046	United Presbyterian Church	4/10/2006	\$22,500.00	gabion baskets
636	9406	N	Northview	Rd	933377005	Bell, Norma	6/4/1999	\$7,500.00	Gabion baskets
637	9407	N	Northview	Rd	933376003	Anderson, Dennis	8/5/2013	\$7,500.00	Install RR ties to repair failed retaining wall
638	9410	N	Northview	Rd	933377004	Nippert, Andrew	4/23/2014	\$7,425.00	
639	10817	N	Oak Lynn	Dr	929426007	Victor, Lori Flores	6/10/2021	\$7,500.00	N/A
640	141	S	Oak Park	Dr	1428253004	Oak Park Homeowners Association	11/18/1991	\$4,492.50	RR tie retaining wall
641	120	N	Oak Park	Dr	1428252002	Sager, David	4/16/2008	\$5,406.00	gabion basket
642	141	N	Oak Park	Dr	1428253004	Plattner, Russell	4/16/2008	\$5,406.00	gabion baskets
643	3821	N	Oak Park	Dr	1428251008	Glancy, Steven	4/21/2008	\$7,500.00	gabion basket
644	11333	N	Oak Trail	Dr	929201004	Strahm, Jason	4/15/2005	\$6,510.00	gabion baskets
645	11341	N	Oak Trail	Dr	929201003	Strahm, Jason	4/15/2005	\$7,260.00	Gabion baskets

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646	11205	N	Oak Trail	Dr	929201021	Mathewson, Chris & Ronda	10/13/2015	\$2,100.00	12" ADS piping to connect to City storm sewer and neighbors manhole (see also 11300
647	6438	N	Oakbrook	Ct	1418227017	GINOLI, Kathleen	3/27/1986	\$414.00	RR tie wall
648	6434	N	Oakbrook	Ct	1418227018	Falatto, Michael	3/21/1988	\$5,100.00	Timber Retaining Wall
649	6438	N	Oakbrook	Ct	1418227017	Bousek, Robert	4/21/1999	\$9,225.00	stone retaining wall
650	135	E	Oakcliff	Ct.	1421451005	Abney Group LLC		\$7,000.00	Rebuild and resurface parking lot from damage caused by culvert underneath city property
651	701	W	Oakview	Dr	932226005	Kemmerer, Richard	7/3/1991	\$215.00	concrete drainage ditch
652	312	E	Odell	Pl	1428456022	Hawkins, Frank	11/1/1993	\$2,301.00	sanitary gate valve and sump pump
653	5903	N	Old Orchard	Dr	1418427026	Dailey, John	4/11/1986	NA	catch basin to culvert and manhole
654	2300	W	Orlando	Ct	1418403044	Alwan, Simon	8/11/2014	\$7,500.00	gabion basket
655	10404	N	Osage	Ct	930351015	Lowe, Mark	4/20/2001	\$7,500.00	gabion baskets
656	10412	N	Osage	Ct	930351016	Asp, Tom	5/14/2001	\$6,750.00	gabion baskets
657	3851	W	Palmyra	Ct	1325333006	Reginald Sey	9/2/2020	\$7,500.00	correct slope failure
658	3873	W	Palmyra	Ct	1325333015	Jane Kelly	9/2/2020	\$7,500.00	correct slope failure
659	3863	W	Palmyra	Ct	1325333010	Tina Bez	9/2/2020	\$7,500.00	correct slope failure
660	3875	W	Palmyra	Ct	1325333016	Almon Mayze	9/2/2020	\$7,500.00	correct slope failure
661	3877	W	Palmyra	Ct	1325333017	Heidi Van Nest	9/2/2020	\$7,500.00	correct slope failure
662	3881	W	Palmyra	Ct	1325333018	Orlando Holt	9/2/2020	\$7,500.00	correct slope failure
663	7204	N	Park Edge	Ct	1409326003	Cohen, Brian	7/26/1996	\$7,500.00	Timber Retaining Wall
664	3313	W	Parkridge	Dr	1336227011	Von Tobel, Paul	4/10/1995	\$6,187.50	gabion baskets
665	3319	W	Parkridge	Dr	1336227010	Moten, Benny	4/10/1995	\$6,187.50	manhole and storm pipe
666	2907	W	Parkridge	Dr	1431107017	Phan, An	10/11/1996	\$618.75	inlet and drain pipe through yard
667	2721	W	Parkridge	Dr	1431176014	Jones, Andrew	9/13/1999	\$6,486.67	block retaining wall and catch basin
668	2918	W	Parkridge	Dr	1431151006	LaHood, Joseph	3/4/2005	\$7,170.00	gabion baskets
669	2710	W	Parkridge	Dr	1431177036	Dettman, Ron	7/3/2007	\$7,500.00	gabion baskets
670	2714	W	Parkridge	Dr	1431177035	Smith, Daniel	7/3/2007	\$7,500.00	gabion baskets
671	1503	W	Parkridge	Dr	1805177003	George, Brad	5/7/2008	\$1,496.25	Ejector sump pump
672	6804	N	Parkwood	Dr	1407352005	Setterlund, Dr	8/17/1989	\$2,939.50	storm sewer extension
673	6804	N	Parkwood	Dr	1407352005	Barnes, Stephen	12/14/1999	\$1,818.75	drain tile to catch basin
674	2828	W	Parkwood	Dr	1418101016	Clifton, Virginia	5/24/2006	\$7,407.00	gabion baskets
675	407	E	Pasadena	Ave	1428429023	Young, Toni	11/12/2008	\$1,158.75	sanitary gate check valve
676	6813	N	Patricia	Ln	1408378024	Murphy, James	6/10/1996	\$3,435.00	manhole and grate and storm sewer repair
677	6902	N	Patricia	Ln	1408379009	Groll, Marie	5/7/1997	\$2,097.00	underdrain in yard
678	6918	N	Patricia	Ln	1408379024	Cheneler, Al	9/3/1998	\$1,022.01	Timber Retaining Wall
679	4211	N	Patricia	Ct	1429130014	Winkler, Josh	5/10/2007	\$7,500.00	Gabion baskets
680	6822	N	Patricia	Ln	1408379011	Leary, Travis	9/29/2009	\$822.04	NA
681	4808	W	Pendleton	Pl	1314401008	Pesch, Leroy	7/4/2000	\$1,766.25	pipe outlet protection in backyard
682	4706	W	Pendleton	Pl	1314401016	Montgomery, Eric	7/17/2000	\$5,895.00	pipe extension with gabion basket outlet
683	2803	N	Peoria	Ave	1433252026	Hellman, Constance	7/21/1992	\$1,000.00	new sanitary lateral
684	10415	N	Pheasant	Ln	930327000	Vespa, Robert	5/6/2002	\$7,500.00	gabion baskets
685	10503	N	Pheasant	Ln	930327000	Gresham, Dianne	5/6/2002	\$4,865.00	gabion baskets
686	10505	N	Pheasant	Ln	930327000	Wheat, Lyle	5/6/2002	\$7,500.00	gabion baskets
687	10409	N	Pheasant	Ln	930327000	Repasz, Gerald	7/12/2008	\$7,500.00	gabion baskets
688	10403	N	Pheasant	Ln	930327000	Wickert, Edward	8/4/2008	\$7,500.00	gabion baskets
689	10411	N	Pheasant	Ln	930327000	Heidewald, Nancy	8/4/2008	\$7,500.00	gabion baskets
690	7500	N	Piccadilly	Pl	1408155003	Nash, Wendell	5/13/1998	\$7,500.00	swale and tile drainage system in yards
691	8661	N	Picture Ridge	Rd	1404151022	Rapp, Emerson	8/1/1985	\$1,800.00	12' culvert
692	9027	N	Picture Ridge	Rd	933351014	Millard, David	7/31/1990	\$519.95	RR tie retaining wall
693	9169	N	Picture Ridge	Rd	933378023	Mustakas, Gus	10/4/1991	\$1,375.00	storm sewer extension
694	9169	N	Picture Ridge	Rd	933378023	Mustakas, Gus	12/18/1992	\$186.25	piping
695	9184	N	Picture Ridge	Rd	933452001	Shallbetter, Joseph	5/28/1999	\$7,500.00	underground drainage system in yard
696	9006	N	Picture Ridge	Rd	1404102004	Corder, Gregory	7/14/1999	\$7,500.00	yard inlets and pipe to ravine with gabions
697	9000	N	Picture Ridge	Rd	1404102005	Sloter, Jeff	9/2/1999	\$2,129.63	culvert and drain basin
698	8801	N	Picture Ridge	Rd	1404152019	Ryon, Timothy	3/24/2003	\$7,500.00	yard drains, pipe to channel protected with gabion baskets
699	9360	N	Picture Ridge	Rd	933453004	Janssen, Jay	11/16/2004	\$7,500.00	drainage system at driveway entrance
700	9364	N	Picture Ridge	Rd	933401002	Broadway, James	11/16/2004	\$7,500.00	drainage system at driveway entrance
701	9131	N	Picture Ridge	Rd	933378005	Bielenberg, Carol	5/8/2007	\$7,500.00	pipe extension with gabion basket outlet
702	9145	N	Picture Ridge	Rd	933378008	Goble, Jim	5/8/2007	\$7,500.00	pipe extension with gabion basket outlet
703	9168	N	Picture Ridge	Rd	933380013	Williams, Alan and Teri	8/14/2013	\$7,500.00	gabion basket
704	8926	N	Picture Ridge	Rd	1404102006	Murphy, Connie	8/22/2014	\$3,637.50	
705	9307	N	Picture Ridge	Rd	933377021	Welniak, Doug	5/19/2017	\$7,500.00	retaining wall and rip rap
706	6141	N	Pin Oak	Cir	1314176003	Liszewski, Keith	6/1/1991	\$3,291.00	install 15" storm sewer
707	6135	N	Pin Oak	Cir	1314176008	Newbanks, Larry	4/4/1998	\$3,187.50	extend existing drain tile
708	9326	N	Pine Tree	Rd	932453005	Nichols, Bud	4/6/2010	\$7,500.00	downspouts and regrading area
709	9138	N	Pine Tree	Rd	932454011	Schmitt, Cass	7/19/2013	\$7,500.00	gabion basket wall, riprap and repairs to land slide
710	2300	N	Pioneer	Pkwy	1407201008	Scherer, James G	5/5/2015	\$7,500.00	repairs to concrete encasement

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#	House Number	Street Dir	Street Name	Street Extension	PIN	Owner at time of Participation	Date of Agreement	Amount of City Contribution	Comments
711	6511	N	Post Oak	Rd	1314201009	McDaniels, Linda	9/27/1984	NA	concrete outlet
712	6510	N	Post Oak	Rd	1314206001	Mead, Thomas and Deborah	8/20/2014	\$1,537.50	
713	5122	N	Primrose	Ct	1323226007	Schlink, Deirdre	9/11/2015	\$1,017.00	regrading and riprap
714	2920	W	Proctor	St	1818106001	Stapleton, Donald	7/16/1986	\$885.00	retaining wall
715	2920	W	Proctor	St	1818106001	Stapleton, Donald	11/5/2001	\$4,091.25	pipe extension with gabion basket outlet
716	5856	N	Prospect	Rd	1416402011	Wildemuth, Jerry	8/19/1997	\$7,500.00	gabion baskets and fill to fix slide
717	1812	N	Prospect	Rd	1803127001	All Saints Greek Orthodox Church	7/8/1999	\$922.50	backwater valve
718	3014	N	Prospect	Rd	1434200006	Springdale Cemetery	3/23/2000	\$7,500.00	gabion baskets
719	5618	N	Prospect	Rd	1416426022	Traina, Kathy	5/25/2000	\$7,500.00	Timber Retaining Wall
720	5639	N	Prospect	Rd	1416476021	Johnson, Timothy and LaHood, Sibylle	6/3/2014	\$7,417.50	trench dug and 3 grate drains placed; topsoil leveling
721	3108	N	Prospect	Rd	1427457004	Cox, Ernest	1/5/2016	\$2,782.50	sewer backup ejector pump installed
722	2002	E	Purdue	St	1426307001	Smith, Marvin	2/8/1995	\$5,550.00	storm drain extension
723	3533	W	Queen Ann	Ct	1324402010	Wake, Timothy	4/24/1998	\$7,500.00	retaining wall
724	1516	W	Queens Court	Rd	1408180005	Haider, Greg	4/26/2001	\$2,784.38	pipe extension and catch basin
725	908	W	Raven	Rd	932228007	Benson, Chris	3/15/1991	\$3,455.00	replace catch basins and repair retaining wall
726	908	W	Raven	Rd	932228007	Benson, Chris	8/2/1991	\$1,645.16	sodding
727	908/916	W	Raven	Rd	932228007	Otto Baum	11/5/1991	\$1,920.00	inlet and piping
728	814	W	Raven	Rd	932228010	Losch, Eric	7/1/2013	\$7,500.00	retaining wall
729	815	W	Raven	Rd	932227015	Dunham, Russell K.	9/9/2015	\$7,500.00	retaining wall
730	500	W	Red Oak	Ct	933151009	Hunzeker, Myron	4/7/2000	\$7,500.00	gabion baskets
731	500	W	Red Oak	Ct	933151009	Hunzeker, Myron	6/27/2000	\$7,500.00	gabion baskets
732	501	W	Red Oak	Ct	933151008	Barnato, William	6/27/2000	\$7,500.00	gabion baskets
733	501	W	Red Oak	Ct	933151008	William Barnato	5/3/2021	\$7,500.00	Install gabion baskets along the bank to prevent hillside erosion
734	5103	N	Renwood	Ave	1419254019	Bauer, Scott	5/2/1995	\$3,813.75	sump pump
735	5100	N	Renwood	Ave	1419256007	Kellogg, Jeffrey	7/13/1995	\$1,852.50	sump pump and sewer check valve
736	5106	N	Renwood	Ave	1419256006	Lancaster, Todd	2/26/1997	\$873.00	sump pump and back water valve
737	2729	N	Renwood	Ave	1431251018	imes, Nelda	5/4/1998	\$4,367.66	surface and underdrains in backyard
738	5726	N	Renwood	Ave	1418403057	Johnston, Dennis	10/24/2000	\$7,500.00	gabion baskets
739	5637	N	Renwood	Ave	1418455008	Hamilton, Lavada	8/16/2001	\$2,212.50	swale and regrade yard
740	2807	N	Renwood	Ave	1431251016	McCarron, Elsie	8/2/2010	\$3,000.00	french drain and sump pump line
741	5626	N	Renwood	Ave	1418478010	McClallen, Carrie	8/2/2019	\$2,977.50	underdrain and retaining wall
742	2807	N	Renwood	Ave	1431251016	Debbie Dahl-Simpson	9/1/2020	\$4,500.00	repair drainage issues in the yard
743	1011	E	Republic	St	1434310026	Ross, Tim	7/22/2014	\$3,279.00	
744	614	E	Republic	St	1433477035	Jowers, Andel	7/25/2017	\$1,848.75	sewer ejector pump installed
745	2405	E	Reservoir	Blvd	1426178014	Demanes, Louis	11/17/1986	\$2,450.00	retaining wall
746	2405	E	Reservoir	Blvd	1426178014	Demanes, Louis	5/6/1993	\$2,550.00	retaining walls
747	2405	E	Reservoir	Blvd	1426178014	Demanes, Louis	6/4/2009	\$3,675.00	trench drain
748	2215	E	Reservoir	Blvd	1426177035	Parks, Rebecca	9/28/2015	\$4,140.00	clear, grade, seed
749	11202	N	Rhonda	Way	930228016	Allen, Joseph	9/23/2014	\$290.63	pvc and pop up bubbler for drainage pipe
750	11210	N	Rhonda	Way	930228015	Childs, Gary	9/23/2014	\$290.63	pvc and pop up bubbler for drainage pipe
751	11123	N	Rhonda	Way	0930226059	Kellogg, Steve	3/26/2018	\$3,900.00	gabion baskets
752		N	Rhonda	Way	930226032	Bob Hortsman- HOA President	8/12/2020	\$6,975.00	N/A
753	4121	W	Richards	Way	1313159021	Donley, Michael	9/16/2009	\$6,383.85	replaced driveway and added drains
754	4125	W	Richards	Way	1313159020	Ticualu, Linda	9/16/2009	\$6,383.85	replaced driveway and added drains
755	413	W	Richwoods	Blvd	1428304018	Vaccayo, Lena	11/7/1986	\$387.50	gate-check valve
756	3536	W	Richwoods	Blvd	1325329000	Zoubek, Robert	10/13/1993	\$3,295.00	storm sewer and curb and gutter
757	2321	W	Richwoods	Blvd	1430404024	Toland, Rick	2/28/1994	\$935.90	gate-check valve
758	2910	W	Richwoods	Blvd	1430351001	Shanine, Barbara	2/8/1999	\$7,500.00	pipe culvert extension and bank protection
759	3202	W	Richwoods	Blvd	1325476005	Fahnestock, Jeff	1/17/2007	\$7,500.00	drains in yard
760	902	E	Richwoods	Blvd	1427355001	Cox, Tom	5/15/2013	\$2,996.25	overhead sewer line
761	5916	W	Ridgecrest	Cir	131545012	Greg Miller	5/6/2021	\$7,500.00	grade swale and repair wall that failed.
762	6507	N	Ridgefield	Ln	1418104007	Shanine, Saliba	8/14/1992	\$1,394.66	Timber Retaining Wall
763	6320	N	Riviera	Ct	1418276001	Weidman, John	8/25/1999	\$7,500.00	gabion baskets
764	6316	N	Riviera	Ct	1418276002	Doan, Tien	9/7/1999	\$5,834.25	gabion baskets
765	2126	W	Riviera	Dr	1418277001	Koehl, Fred	7/29/2013	\$7,500.00	gabion basket
766	5426	N	Robinhood	Dr	1419131008	Romane, Frederick	11/16/1990	\$29,858.50	Public drainage program
767	6322	N	Robinwood	Dr	1418129025	Public Drainage	11/21/1990	\$3,283.55	vacant lot next to address
768		NE	Rock Island	Ave		NE Rock Island Drainage - Public	1989	\$7,071.00	erosion prevention
769	1009	NE	Rock Island	Ave	1435152010	Foulkes, Beatonne	11/1/2002	\$3,285.00	trench drain and driveway repair
770	7120	N	Rockvale	Dr	1312429005	Shanks, Debra	9/8/1993	\$580.00	drainage swale
771	2527	W	Rockwood	Ct	1431177018	Cohen, Stephen	5/3/2004	\$7,500.00	gabion baskets
772	2529	W	Rockwood	Ct	1431177019	Bell, Margaret	10/19/2010	\$7,500.00	Replace retaining wall
773	5108	N	Ronald	Rd	1419257004	Sheron, Buddy	6/1/1995	\$7,500.00	rip rap
774	5210	N	Ronald	Rd	1419229005	Cunningham, Pamela	6/13/1995	\$2,976.00	drain tiles added to sump pump
775	5325	N	Ronald	Rd	1419204016	Hatzenbuhler, Thomas	8/16/2006	\$4,785.00	gabion baskets

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776	5514	N	Rosalie	Dr	1417382003	Pierantoni Jr, Ernest	10/15/2004	\$2,801.14	underdrain in back yard
777	5703	N	Rosemead	Dr	1417354023	Berg, Ted	11/14/1984	\$695.00	rock dam
778	4306	N	Rosemead	Dr	1420379008	Zentgraf, Ernie	11/21/1990	\$14,066.95	small public drainage - lake & rosemead
779	4626	N	Rosemead	Dr	1420358002	Bell, Edward	7/27/1995	\$975.00	replaced old storm sewer
780	5615	N	Rosemead	Dr	1417354026	Weisenberger, Richard	11/29/1995	\$19,972.00	manhole, culvert, pipe extention, retaining wall
781	5725	N	Rosemead	Dr	1417354019	Berry, Evelyn	5/16/2005	\$7,500.00	gabion basket
782	5735	N	Rosemead	Dr	1417354017	Taylor, Rhea	5/16/2005	\$7,500.00	gabion basket
783	5729	N	Rosemead	Dr	1417354018	Carter, Jeff	5/18/2005	\$7,395.00	gabion basket
784	5903	N	Rosemead	Dr	1417305029	Jones, Doyle	6/24/2005	\$7,350.00	gabion basket
785	4601	N	Rosemead	Dr	1420356006	Adler, Norman	5/27/2008	\$3,750.00	swale and retaining wall
786	5627	N	Rosemead	Dr	1417354024	Keach, Janet	6/15/2010	\$7,500.00	gabion basket
787	5703	N	Rosemead	Dr	1417354023	Sauder, Kevin	6/15/2010	\$7,500.00	gabion basket
788	5711	N	Rosemead	Dr	1417354022	Brumzick, Frank	6/15/2010	\$7,500.00	gabion basket
789	5717	N	Rosemead	Dr	1417354021	Marvin, Robert	6/15/2010	\$7,500.00	gabion basket
790	5721	N	Rosemead	Dr	1417354020	Arvin, Timothy	6/15/2010	\$7,500.00	gabion basket
791	4522	N	Rosemead	Dr	1420358008	NA	7/8/2010	NA	erosion in creek
792	6003	N	Rosemead	Dr	1417305024	Lee, Hong & Helen	6/27/2019	\$4,966.84	
793	5319	N	Rothmere	Dr	1323126007	Peffer, Thomas	6/1/1995	\$450.00	raise storm drain 6'
794	5412	N	Rothmere	Dr	1323127003	Sherburn, Mary	11/3/2000	\$5,850.00	turf erosion matting and subsurface drain
795	5424	N	Rothmere	Dr	1323127001	Overstreet, Jason	11/3/2000	\$5,850.00	turf erosion matting and subsurface drain
796	5215	N	Rothmere	Dr	1323126013	Weldy, Ronald	3/2/2001	\$31,655.02	french drain system and cobblestone
797	5219	N	Rothmere	Dr	1323126012	Alison, Jefferson	3/2/2001	\$31,655.02	french drain system and cobblestone
798	5307	N	Rothmere	Dr	1323126009	Gorman, Joanne	3/2/2001	\$31,655.02	french drain system and cobblestone
799	5315	N	Rothmere	Dr	1323126008	Lane, David	3/2/2001	\$31,655.02	french drain system and cobblestone
800	5934	N	Roxbury	Ln	1417405004	Cicciarelli, Scott	4/15/1994	\$7,500.00	Timber Retaining Wall
801	6634	N	Rustic Oak	Ct	1313227003	Bisbee, Lisa	5/10/2011	\$6,308.75	swale drain and grade yard
802	6644	N	Rustic Oak	Ct	1313227001	Smith, John	9/23/2015	\$4,500.00	drainage system installation
803	5914	W	Saddlebrook	Ct	1303401008	Boddie, Kenneth	3/2/2009	\$7,500.00	gabion basket by owner
804	1412	E	San Koty	Dr	1410452004	Mitchell, Dave	5/6/2009	\$4,125.00	catch basins and piping
805	3733	W	Saymore	Ln	1325126003	Vosberg, Mary	5/24/2000	\$7,500.00	gabion basket
806	3606	W	Saymore	Ln	1325251040	Threw, Joan	3/24/2008	\$7,500.00	Boulders in creek for erosion prevention
807	606	W	Scottwood	Dr	929228005	McEldowney, David	10/4/1990	\$5,000.00	RR tie wall and french drain
808	1016	W	Scottwood	Dr	929203006	Costa, Pierre	1/17/1995	\$1,620.38	drainage system from home to ravine
809	701	E	Seneca	Pl	1433280010	Baker, Carl	3/5/1985	\$1,325.00	CPP storm sewer
810	723	E	Seneca	Pl	1433280019	Landrum, Susan	8/13/2002	\$3,500.00	sanitary ejector sump pump
811	1707	E	Shady Oaks	Dr	1427228001	Mitchell, Harvey	7/20/1995	\$433.60	Trench drain
812	829	W	Shenandoah	Dr	1420227023	Hunt, Keats	6/18/1998	\$7,275.00	pipe in ditch
813	724	W	Shenandoah	Dr	1420276045	Mary Lou Dobrydnia	11/20/2020	\$4,856.63	N/A
814	718	W	Shenandoah	Dr	1420276026	Candance Bradley	1/27/2021	\$2,036.25	Waiting for proof of payment. 1/27 claims check was dropped off in person at the PW office
815	3906	N	Sheridan	Rd	1428151003	Gudeman, Bena	4/22/1985	\$100.00	yard drain rebuilt
816	6501	N	Sheridan	Rd	1417230008	Institute of Physical Med. And Rehab	4/16/1993	\$925.00	installed manhole and connect drain line
817	5421	N	Sheridan	Rd	1420226046	Thatcher, Kim	8/21/2003	\$1,950.00	extend culvert
818	1828	N	Sheridan	Rd	1804101001	Green, Sean	4/13/2005	\$1,200.00	Sanitary gate-check valve
819	5100	N	Sherwood	Ave	1420252006	Public	1996	NA	culvert replacement
820	5107	N	Sherwood	Ave	1420251016	Redell, Cookie	6/4/1985	NA	culvert improvement
821	6015	N	Sherwood	Ave	1417403003	Hagen, Al	7/12/1988	\$5,730.00	boulders and stone to form creek
822	5424	N	Sherwood	Ave	1420202001	Pilon, Greg	4/18/1989	\$2,750.00	rip rap and drain pipe
823	6001	N	Sherwood	Ave	1417403005	Newbould, Richard	5/4/1994	\$7,500.00	replace culvert
824	6007	N	Sherwood	Ave	1417403004	Robinson, Gene	8/9/1994	\$4,516.85	reconstruct drainage creek and limestone walls
825	4918	N	Sherwood	Ave	1420252012	Murphy, William	8/23/1999	\$7,500.00	block retaining wall
826	5935	N	Sherwood	Ave	1417403007	Muvdi, B.B.	4/17/2006	\$7,500.00	gabion baskets
827	5941	N	Sherwood	Ave	1417403006	Reichert, James	4/27/2006	\$7,500.00	enclose creek across back yard in a 36" CMP
828	5907	N	Sherwood	Ave	1417403011	Manning, Shara	7/29/2011	\$7,500.00	installed 2 culverts, headwalls, and catch basins
829	5917	N	Sherwood	Ave	1417403010	Bryant, Jim	7/29/2011	\$7,500.00	installed 2 culverts, headwalls, and catch basins
830	6007	N	Sherwood	Ave	1417403004	Schendl, Nancy	7/12/2017	\$7,500.00	repair creek wall with flagstone. There was additional money given because error on City's
831	6710	N	Skyline	Dr	1410376018	Masi, Alfonso	9/16/1992	\$825.00	replace storm sewer lines and manhole cover
832	6916	N	Skyline	Dr	1410376011	Stuttie, James	8/19/1997	\$7,500.00	french drain system
833	6922	N	Skyline	Dr	1410376009	Ervin, Douglas	9/30/2015	\$7,500.00	Timber Retaining Wall
834	10540	N	Sleepy Hollow	Rd	929408008	Bordeaux, Dean	9/7/1991	\$5,000.00	drop box and sewer extension
835	10939	N	Sleepy Hollow	Rd	929253041	Luthy, Thomas	2/16/1995	\$5,632.77	Timber Retaining Wall
836	10827	N	Sleepy Hollow	Rd	929404015	Burton, Robert	7/12/1995	\$7,500.00	retaining wall along creek
837	10904	N	Sleepy Hollow	Rd	929405001	Sass, Robert	7/27/1998	\$2,752.50	boulder wall for drainage
838	1115	W	Sleepy Hollow	Ct	929407018	Mitzelfelt, Craig	6/6/2007	\$7,500.00	gabion baskets
839	709	W	South Forest	Trail	929479013	Johnson, Clifford	7/16/2013	\$7,500.00	gabion basket wall to repair landslide
840	702	W	South Forest	Trail	932226002	Placher, Jeremy	8/28/2013	\$7,500.00	gabion baskets

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841	803	W	South Forest	Trail	929479009	Mitts, Richard E.	10/28/2014	\$4,035.75	drain and approach unit
842	803	W	South Forest	Trail	929479009	Mitts, Richard E.	10/28/2014	\$2,250.00	regrade and restoration
843	710	W	South Forest	Trail	932226001	Shukla, Hemant	9/15/2015	\$7,200.00	rip rap along ravine
844	132	E	Southgate	Rd	1416129006	Brady, John	6/25/1986	\$649.00	catch basin repair
845	132	E	Southgate	Rd	1416129006	Brady, John	7/21/2009	\$3,065.63	replaced storm sewer
846	126	E	Southgate	Rd	1416129007	Noble, Kent	9/25/2009	\$3,065.63	replace and extend storm sewer
847	727	W	Spring Hollow	Ln	1808230069	Coates, Camille	11/2/2005	\$4,873.50	under drain installation and block retaining wall
848	3815	N	St. Michael	Ave	1430276016		12/29/1997	\$12,310.14	storm sewer repair
849	2219	W	Stafford	Ct	1419256037	McCuskey, Carol	6/6/1996	\$688.00	storm sewer pipe repair
850	5517	N	Stephen	Dr	1418354010	Whitehurst, Sheryl	5/5/2014	\$7,500.00	
851	5424	N	Stephens	Dr	1418351016	Moreau, Linda	11/22/1985	NA	NA
852	5424	N	Stephens	Dr	1418351016	Schonberger, John	9/20/1991	\$706.00	remove and replace drive/approach and install pipe
853	3618	N	Sterling	Ave	1430403033	Simons, David	8/5/1986	NA	NA
854	11331	N	Stone Creek	Dr	825201009	Fletchall, William	8/2/2019	\$7,500.00	
855	11319	N	Stone Creek	Dr	825201011	Yang, Hong	9/16/2019	\$2,289.75	swale and french drain installation
856	11325	N	Stone Creek	Dr	825201010	Finkenbine, Ryan	9/16/2019	\$4,158.00	yard drains
857	404	W	Stonegate	Rd	1421357008	Masterson, Ruth	5/9/1991	\$430.00	rock and timber in drainage area
858	228	W	Stonegate	Rd	1421380019	Hoerr, Joe	10/11/1993	\$266.25	sanitary gate valve
859	337	W	Stonegate	Rd	1421377017	Page, Sal	9/21/1998	\$4,634.59	Timber Retaining Wall
860	404	W	Stonegate	Rd	1421357008	Shaver, Shannon	7/6/1999	\$7,070.00	pipe extension, yard inlets, and wall replacement
861	333	W	Stonegate	Rd	1421377018	Peitzmeier, James	8/13/2002	\$6,996.00	drainage rock swale
862	221	W	Stonegate	Rd	1421383013	Tyra, Andrew	5/22/2006	\$6,045.00	multi French drain system
863	225	W	Stonegate	Rd	1421383012	Harper, Jennifer	11/14/2006	\$7,500.00	drain tile and Allen block wall
864	115	W	Stonegate	Rd	1421383020	Van DeVeer, Robert	3/24/2008	\$4,087.50	pipe and catch basins
865	220	W	Stonegate	Rd	1421380021	Tramel, Roger	4/22/2008	\$7,500.00	pipe in driveway and catch basins
866	228	W	Stonegate	Rd	1421380019	Hoerr, Joe	7/21/2008	\$7,500.00	drainage swale and drain basin
867	344	W	Stonegate	Rd	1421376001	Elshahat, Ahmed	6/30/2010	\$7,500.00	concrete block retaining wall
868	339	W	Stonegate	Rd	1421377016	Morrical, Brian and Vicki	5/30/2014	\$7,500.00	retaining wall; backfill and soil; drain tile in wall
869	316	W	Stonegate	Rd	1421380014	Beiersdorf, Connie	7/6/2017	\$7,500.00	stone block wall and drain tile
870	345	W	Stonegate	Rd	1421377015	Swanson, Timothy	7/27/2017	\$2,175.00	swale and yard drains
871	310	W	Stonegate	Rd	1421380015	Hembrey, Keith	8/3/2017	\$7,500.00	drainage pipes and interlocking stones
872	304	W	Stonegate	Rd	1421380016	Parrett, Michael	8/31/2017	\$3,619.77	yard drains and retaining wall
873	333	W	Stonegate	Rd	1421377018	Peitzmeier, James	8/30/2019	\$7,500.00	retaining wall, swell, and piping
874	323	W	Stonegate	Way	1421377019	Chad/Jamie Robbins	1/6/2021	\$7,007.15	N/A
875	2622	W	Stonehenge		930331030	Gootee, Michael	8/2/2019	\$3,522.75	
876	5619	N	Stonewood	Ct	1314478003	Vonderheydt, Richard	3/1/2006	\$2,700.00	gabion baskets
877	405	W	Stratford	Dr	1428156016	Schweitzer, John	1/26/2009	\$1,195.50	sanitary gate check valve
878	219	W	Stratford	Dr	1428182015	Jill Adkins	10/26/2020	\$7,500.00	N/A
879	6608	N	Suffolk	Dr	1314226002	Hinds, Tim	5/5/2008	\$5,362.50	piping and catch basins
880	2619	W	Sunset	Ct	930376005	Kieser, Brent	4/14/2010	\$7,500.00	gabion basket
881	6301	N	Syler	St	1313151002	Watt, Joey	3/24/2017	\$5,325.00	reinforcement mat
882	3042	W	Sylvan	Ln	1419304012	Burnett, Mark	11/18/2010	\$4,837.50	gabion baskets
883	6404	N	Talisman	Terr	1314208008	Johnson, Logan	9/1/1999	\$6,714.75	concrete spillway floor, backfill rock
884	6414	N	Talisman	Terr	1314208007	Horton, Bradley	9/1/1999	\$6,714.75	concrete spillway floor, backfill rock
885	6502	N	Talisman	Terr	1314208006	Bradley, Scott	9/2/1999	\$6,714.75	concrete spillway floor, backfill rock
886	6508	N	Talisman	Terr	1314208005	Binkin, Steve	9/4/1999	\$6,714.75	concrete spillway floor, backfill rock
887	6514	N	Talisman	Terr	1314208004	Bayes, Thomas	9/7/1999	\$6,714.75	paved channel
888	6520	N	Talisman	Terr	1314208003	Manock, Jon	9/7/1999	\$6,714.75	paved channel
889	6304	N	Tammarack	Ln	1314232014	Michael, Robert	9/10/1998	\$6,592.58	gabion baskets
890	5932	N	Tampico	Dr	1418403032	Hutt, Frank	9/9/1986	NA	NA
891	5944	N	Tampico	Dr	1418451001	Owens, Gail	9/9/1986	NA	NA
892	4012	W	Tangleoaks	Ct	1324304008	Maddox, John	7/29/2004	\$2,523.56	geotextile and limestone rip rap and catch basin
893	2311	E	Tanglewood	Ln	1426126003	Banta, Deborah	8/1/2017	\$7,500.00	Trenching and drain work
894	2323	E	Tanglewood	Ln	1426126007	Ekstrand, Dan	9/27/2017	\$7,500.00	limestone rip-rap channel
895	6219	N	Tealwood	Cir	1314151006	Medvesky, Joseph	3/5/1990	\$1,775.00	Timber Retaining Wall
896	6205	N	Tealwood	Cir	1314151024	Schorn, Larry	5/25/1993	\$1,288.95	culvert extension and boulders in creek
897	6219	N	Tealwood	Cir	1314151006	Kherat, Sam	9/15/1997	\$1,687.50	repair culvert
898	6219	N	Tealwood	Cir	1314151006	Kherat, Sam	7/20/1998	\$3,680.00	relocate storm sewer drain
899	802	W	Teton	Dr	1408477002	Swartz, Al	8/21/1985	NA	NA
900	1216	W	Teton	Dr	1408451002	Unes, Leonard	5/14/1986	NA	underdrain system
901	1513	W	Teton	Dr	1408352025	Jordan, Geraldine	6/25/1986	NA	NA
902			Teton	Dr		public	6/22/1991	NA	NA
903	1829	W	Teton	Dr	1408352004	Mock, Dean	3/29/1996	\$7,500.00	timber retaining wall
904	1328	W	Teton	Dr	1408379003	Lawrence, Richard	8/28/1996	\$7,275.00	swale drain system
905	1102	W	Teton	Dr	1408452006	Schumacher, Allen	11/2/1998	\$4,817.28	replace pipe from inlet to back yard

**Table 2 - Private Property Drainage Assistance Program Master Database
City of Peoria, IL**

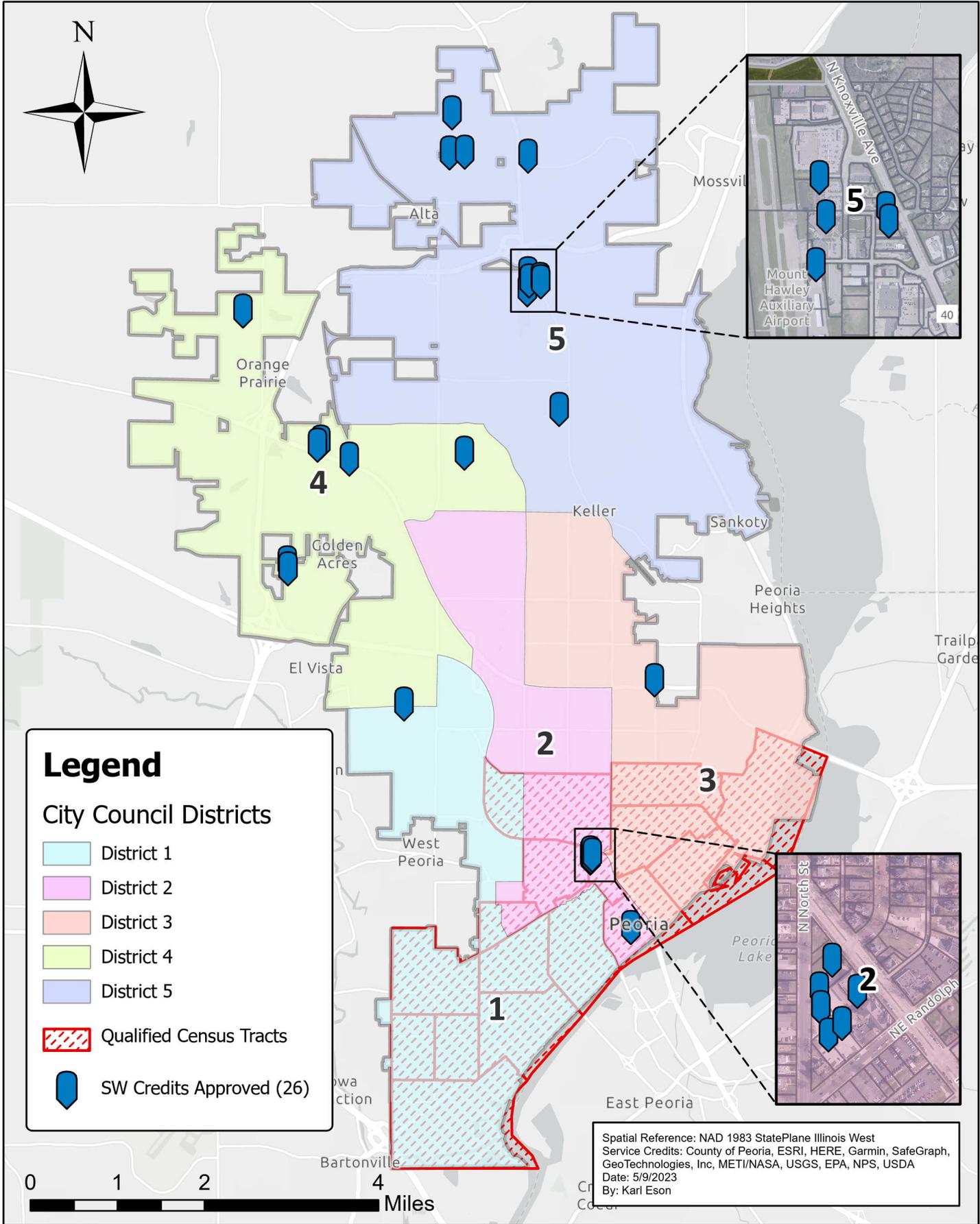
#	House Number	Street Dir	Street Name	Street Extension	PIN	Owner at time of Participation	Date of Agreement	Amount of City Contribution	Comments
906	1807	W	Teton	Dr	1408352009	Sivaswamy, Subramanian	9/24/2002	\$7,500.00	retaining wall at ravine
907	1101	W	Teton	Dr	1408404026	Topp, Roy	6/30/2004	\$7,500.00	culvert extension, gabion dissipator, wall for side yard
908	1808	W	Teton	Dr	1408354003	Freeman, Brian	4/27/2010	\$5,250.00	french drain and drain tile
909	1859	W	Teton	Dr	1407476005	Trilikis, Louis	2/26/2014	\$6,690.00	
910	1843	W	Teton	Dr	1408352001	Barclay, Carolyn	11/2/2015	\$7,500.00	retaining wall to stop erosion
911	1859	W	Teton	Dr	1407476005	Eric Hipple	9/28/2021	\$7,500.00	Retaining wall reinforced to help improve draining from home and yard.
912	411	W	Thousand Oaks	Dr	933102008	Banno, Joseph	3/10/1993	\$5,000.00	underdrain
913	511	W	Thousand Oaks	Dr	933102005	Dyer, Glenn	11/8/1999	\$7,425.00	gabion and storm sewer extension
914	510	W	Thousand Oaks	Dr	933101006	Chamberlain, Joseph	3/31/2000	\$7,500.00	gabion baskets
915	608	W	Thousand Oaks	Dr	933101005	Fitch, Roger	6/27/2000	\$7,500.00	gabion baskets
916	9842	N	Thousand Oaks	Ct	933151002	Schnepel, Barry	7/4/2000	\$7,500.00	gabion baskets and rock lined ravine
917	436	W	Thousand Oaks	Dr	933101007	Robison, Charles	7/17/2000	\$7,500.00	gabion baskets
918	9841	N	Thousand Oaks	Ct	933151020	Reddy, Chittaranjan	10/21/2002	\$7,500.00	gabion baskets
919	4134	N	Timber	Cir	1427229009	Wells, Roger	9/12/1986	\$805.00	trench drain
920	9352	N	Timber	Terr	932454001	O'Hare, Jim	11/6/1995	\$5,735.25	storm sewer extension
921	9128	N	Timber	Ln	1405226003	Bverly, Larry	8/18/1997	\$2,165.42	gabion basket
922	9138	N	Timber	Ln	932477011	Biddison, Ralph	4/10/2000	\$3,797.25	stone retaining wall and catch basin
923	9148	N	Timber	Ln	932477010	Eckert, Edwin	8/29/2000	\$7,500.00	gabion baskets and ravine stabilization
924	4205	N	Timber	Cir	1427226012	Hale, Jason	8/26/2002	\$7,500.00	gabions and rock in ravine
925	4215	N	Timber	Cir	1427226010	Fassino, Melissa	9/20/2002	\$7,500.00	gabions and rock in ravine
926	4204	N	Timber	Cir	1427227007	Garfinkel, Herbert	9/26/2002	\$7,500.00	gabions and rock in ravine
927	9208	N	Timber	Ln	0932477007	Scherer, Christine	1/1/2011	\$7,500.00	grade driveway to proper subgrade & install drain
928	9208	N	Timber	Ln	932477007	Scherer, Christine	6/23/2011	\$7,500.00	Driveway and drain improved
929	1303	W	Tobi	Ln	1408327029	Sciabica, Sib	1/5/1987	\$1,590.00	culvert extensino
930	4018	N	Tomar	Ave	1429132003	Wenzel, John	6/19/2012	\$7,500.00	Gabion baskets
931	6016	N	Trails End	Rd	1416326004	Gorman, Corey	8/1/2017	\$4,237.50	Catch basin and drain pipe
932	6820	N	Treadway	Ct	1312451024	Childs, Gary	10/2/1995	\$2,256.47	sump pump installation
933	811	E	Tripp	Ave	1427307018	Fitzsimmons, Connie	8/31/1993	\$930.00	rock drain from drive to storm drain
934	921	E	Tripp	Ave	1427308018	Lubitz, Herman	1/28/2016	\$3,375.00	overhead sewer line
935	3325	N	Twelve Oaks	Dr	1429454013	Shemas, Gilbert	9/5/1989	\$2,016.00	storm sewer extension
936	1802	N	Underhill	St	1805202009	Hall, Harvey	7/29/1985	\$2,900.00	RR Tie wall and back fill
937	6516	N	University	St	1417201001	Godfrey, Dorothy	3/18/1985	NA	NA
938	5334	N	University	St	1420201006	Caldwell, Richard	11/30/1990	NA	NA
939	5513	N	University	Dr	1417382009	Fuller, Brad	8/23/2002	\$6,637.50	yard drains and sump pump redirection
940	6929	N	University	St	1408351017	Jackson, Debbie	10/21/2010	\$4,271.25	driveway replacement
941	5120	N	University	St	1420251004	Morris, Raymond	12/11/2012	\$7,500.00	install inlets over culvert and repair culvert
942	6914	N	Upper Skyline	Dr	1410352034	Clare Howard	7/13/2021	\$6,375.00	Mitigate serious erosion occurring in a ravine at the back of the property
943	908	W	Vine	St	1434427017	Hoelt, Melanie	7/17/2017	\$7,500.00	retaining walls
944	2007	W	Virginia	Ave	1431279039	Nicols, Robert	7/11/1985	\$589.65	replace driveway
945	1501	W	Virginia	Ave	1432180008	Verkler, John	6/23/2000	\$7,500.00	retaining wall along creek
946	420	W	Virginia	Ave	1433162016	Schefelbein, John	6/13/2002	\$7,500.00	gabion baskets
947	1218	W	Virginia	Ave	1432254004	Harris, Pauline	5/8/2009	\$1,350.00	sanitary ejector sump pump
948	5923	N	Wacker	Dr	1313306003	Blakely, Everette	1/16/1996	\$7,500.00	pipe repair and extension
949	1422	E	War Memorial	Dr	1427402001	Balzell, Calvin	2/23/2009	\$2,540.25	Ejector sump pump
950	2254	W	Warwick	Dr	1418255004	Horn, Henry	4/14/1993	\$1,034.04	replace driveway
951	4829	N	Weaver Ridge	Blvd	1324301004	Allenbaugh, William	8/12/2008	\$7,365.00	new storm drain
952	4810	N	Westbrook	Dr	1419426008	Gutgesell, Don	7/1/1983	NA	RR tie wall
953	4721	N	Westbrook	Dr	1419403008	Caudry, Mary Jane	3/26/1996	\$7,297.88	replace retaining walls
954	4820	N	Westbrook	Dr	1419426006	Stephen Darche	5/11/2021	\$7,500.00	clean creek bed out and reestablish grade. protect slopes
955	513	W	Westwood	Dr	1428160013	Hanson, Dorothy	4/11/2003	\$1,497.60	regrade yard and install drain tile
956	422	W	Westwood	Dr	1428162013	Jordan, Phil	2/2/2009	\$1,113.75	sanitary gate check valve
957	405	W	Westwood	Dr	1428161011	Smith, Kyle	5/14/2013	\$1,127.25	gate valve
958	1200	W	Wexwood	Pl	929253044	Young, Robert	11/9/1990	\$3,075.00	RR tie wall
959	1203	W	Wexwood	Pl	929253036	Moye, Benjamin	11/29/1990	\$5,000.00	extend culvert
960	1926	W	White Oak	Dr	1419229027	Wheeler, June	6/4/1999	\$6,679.50	retaining wall in creek
961	1922	W	White Oak	Dr	1419229028	Starr, John	6/16/1999	\$6,679.50	block retaining wall
962	1930	W	White Oak	Dr	1419229026	Ommen, James	6/21/1999	\$6,679.50	gabion baskets
963	1914	W	White Oak	Dr	1419229030	Martin, William	6/28/1999	\$6,679.50	gabion baskets
964	1942	W	White Oak	Dr	1419229023	Underwood, Marilyn	7/3/1999	\$6,679.50	gabion baskets
965	712	E	White Oak	Ct	1422102007	Matarelli, Edith	11/6/2009	\$4,050.00	block retaining wall
966	1915	W	White Oak	Dr	1419228016	Miller, Justin & Stephanie	7/3/2019	\$2,840.25	
967	6004	N	Wickwood	Rd	1416402016	Zulian, Robert	7/31/1997	\$7,500.00	fill slide area in side yard with rip rap and gravel
968	6006	N	Wickwood	Rd	1416402015	Hult, Randall	10/27/1997	\$7,500.00	repair slide behind property in ravine
969	6018	N	Wickwood	Rd	1416402003	Hanson, Edwin	10/27/1997	\$7,500.00	repair slide behind property in ravine
970	6036	N	Wickwood	Rd	1416402017	Kemp, Hylee	10/27/1997	\$7,500.00	repair slide behind property in ravine

**Table 2 - Private Property Drainage Assistance Program Master Database
City of Peoria, IL**

#	House Number	Street Dir	Street Name	Street Extension	PIN	Owner at time of Participation	Date of Agreement	Amount of City Contribution	Comments
971	6012	N	Wickwood	Rd	1416402013	Johnston, Tom	9/10/1998	\$7,500.00	repair slide behind property in ravine
972	903	E	Wilcox	Ave	1434106030	Yanko, Steve	6/21/2002	\$1,200.00	sanitary ejector sump pump
973	815	E	Wilcox	Ave	1434106025	Noe, Michael	4/15/2003	\$1,170.75	sanitary gate check valve
974	827	E	Wilcox	Ave	1434106029	Williams, Icyphine	5/24/2004	\$2,397.00	sanitary ejector sump pump
975	905	E	Wilcox	Ave	1434106031	Smiddy, Linda	5/21/2009	\$1,200.00	gate-check valve
976	825	E	Wilcox	Ave	1434106028	Motteler, Jill	7/14/2009	\$2,925.00	Ejector sump pump
977	7111	N	Wildlife	Dr	1407301004	Beakley, David	1/7/1997	\$5,096.14	underdrains in backyard to front
978	903	E	Wilcox	Ave	1434106030	Raqains, James	4/17/2014	\$1,087.50	
979	915	E	Wilcox	Ave	1434106034	Parker, Sophia and Corbin	7/22/2014	\$2,887.50	ejector pit installed
980			Willow Knolls	Rd		Hoffman, Lowell	5/10/2000	\$1,282.08	storm sewer extension - terra vista and willow knolls
981	2840	W	Willow Lake	Dr	1407304019	Mueller, Rano	8/27/2013	\$7,500.00	retaining wall
982	2850	W	Willow Lake	Dr	1407304018	Borrowman, Harry	8/27/2013	\$7,350.00	retaining wall
983	7015	N	Willow wood	Dr	1408304010	Kinsey, Cletus	8/19/1997	\$7,500.00	concrete block retaining wall
984	7011	N	Willow wood	Dr	1408304011	Hermann, William	10/27/1997	\$7,500.00	concrete floor in channel
985	7007	N	Willow wood	Dr	1408304012	Kaufman, Leonard	8/27/2002	\$7,500.00	enclose ditch with a 36" pitch
986	7021	N	Willow wood	Dr	1408304009	Baize, John R	6/29/2015	\$7,500.00	storm drain culvert
987	1729	W	Willow Wood	Dr	1408306012	Butterfield, Royden	6/4/2019	\$1,725.00	Swell cut in yard and sodded
988	1511	E	Wilson	Ave	1427406026	Matousek, Virginia	3/28/1994	\$7,500.00	Timber Retaining Wall
989	1515	E	Wilson	Ave	1427406031	Matousek, Virginia	3/7/2013	\$292.95	Retaining wall
990	1515	E	Wilson	Ave	1427406030	Matousek, Virginia	3/8/2013	\$1,464.75	Retaining wall
991	1515	E	Wilson	Ave	1427406029	Matousek, Virginia	3/9/2013	\$1,464.75	Retaining wall
992	1515	E	Wilson	Ave	1427406028	Matousek, Virginia	3/10/2013	\$962.55	Retaining wall
993	2808	W	Windflower	Ct	930351003	Schearer, Robert	4/10/2001	\$7,005.00	gabion baskets
994	2614	W	Windflower	Ct	930376023	Dawson, Harry	3/19/2009	\$1,387.50	swale in yard and irrigation repair
995	2606	W	Windflower	Ct	930376024	Scholl, Kyle	6/23/2009	\$573.75	drain tile
996	2107	W	Winnebago	Dr	1418402040	Public	10/6/2004	\$2,500.00	curb and gutter replacement
997	2234	N	Winnebago	Ct	1418403008	Sivers, Bruce	8/25/2014	\$2,437.50	retaining wall
998	3504	N	Wisconsin	Ave	1427305015	McNary, Dale	4/29/1992	NA	NA
999	2112	W	Wiswall	St	1818227016	Stewart, Christopher	6/2/1995	\$622.50	beaver baseboard system
1000	1925	W	Wiswall	St	1818230029	Biehl, Jack	2/1/1996	\$731.25	sanitary gate valve
1001	2104	W	Wiswall	St	1818227020	Lindenfelser, Tom	9/27/2002	\$1,158.75	backwater valve
1002	507	W	Wolf	Rd	1409152015	Yaw, Rob	9/12/2011	\$2,197.50	create berm on property line
1003	416	W	Wolf	Rd	1409156002	James Shadid	4/1/2021	\$7,500.00	Install gabion baskets along the streambank to prevent further erosion
1004	2802	N	Woodbine	Terr	1431177003	Ward, Jean	10/14/1999	\$1,808.91	repair retaining wall
1005	2528	N	Woodbine	Terr	1431177051	Krigbaum, Donald	7/3/2007	\$7,500.00	gabion baskets
1006	2530	N	Woodbine	Terr	1431177050	Geisman, Paul	7/3/2007	\$7,500.00	gabion baskets
1007	2700	N	Woodbine	Terr	1431177007	Jones, Arthur	10/16/2012	\$7,500.00	Timber Retaining Wall along pond
1008	2619	N	Woodhaven	Dr	1336276007	Katzke, John	11/18/1993	\$835.56	block retaining wall
1009	Lot 23	N	Woodhaven	Rd		Mercer, Randal	6/1/2004	\$7,500.00	extend pipe with gabion outlet
1010	5740	N	Woodlawn	Ct	1416453029	Crawford, Glen	10/25/1993	\$1,000.00	construct paved ditch
1011	5220	N	Woodview	Ave	1419230006	McSherry, Jack	9/3/1996	\$1,001.25	underdrain in yard
1012	4612	N	Woodview	Ave	1419432010	Anderson, Richard	6/9/2009	\$7,500.00	catch basin and drain pipe
1013	5028	N	Woodview	Ave	1419230012	Johnston, Danny	6/17/2009	\$5,745.00	french drain system
1014	5100	N	Woodview	Ave	1419230011	Krikke, Elizabeth	5/18/2015	\$1,290.00	french drain system
1015	8520	N	Wynndhill	Ln	1404178019	Rieker, James	10/11/2017	\$7,500.00	Regrade ravine, extend outfall pipe
1016	8516	N	Wynndhill	Ln	1404178009	Tim, Funk	10/11/2017	\$7,500.00	Regrade ravine, extend outfall pipe
1017		N	Wynndhill	Ln	1404178016	Lewis, Scott	10/11/2017	\$7,500.00	Regrade ravine, extend outfall pipe
1018	8512	N	Wynndhill	Ln	1404178025	Thorstenon, Terry	10/11/2017	\$7,500.00	Regrade ravine, extend outfall pipe
1019		N	Wynndhill	Ln	1404178015	Campbell, William	10/11/2017	\$7,500.00	Regrade ravine, extend outfall pipe
1020	235	W	Wynnwood	Dr	1421378015	Hurt, Charles	4/27/1999	\$4,194.75	underdrains
1021	215	W	Wynnwood	Dr	1421378020	Connell, Pamela	6/29/2006	\$4,312.50	grade yard and install drainage system
1022	120	W	Wynnwood	Dr	1421383007	Locke, Adrianne and Justin	6/24/2014	\$937.50	trench drain, tiling system, sidewalk removal
1023	120	W	Wynnwood	Dr	1421383007	Locke, Adrianne and Justin	6/27/2014	\$5,720.25	
1024	223	W	Wynnwood	Dr.	1421378018	Shane Bickett	5/4/2022	\$2,662.50	Two drain cleanouts will be installed for preventative yearly cleaning of the drainage system
1025					930229002	Fields of Hickory Grove Condominium Associat	7/19/2019	\$7,462.50	detention basin improvements

APPENDIX I - STORM WATER UTILITY CREDITS

Stormwater Credits 2018-2022



APPENDIX J - MAINTENANCE EXPENSES

City of Peoria

Cost Summary By Task

Reporting Dates Year 2022

Task	Activities	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Cleaning Inlet Tops	82	931.00	\$31,204.41	\$16,747.99	\$146.58	\$0.00	\$1,591.20	\$49,821.42
Concrete	80	1,605.00	\$53,639.04	\$34,421.53	\$10,974.90	\$0.00	\$1,326.00	\$100,361.47
Concrete Work	5	152.00	\$5,484.24	\$4,327.68	\$339.00	\$0.00	\$0.00	\$10,150.92
Headwall Cleaning	1	16.00	\$543.60	\$214.56	\$0.00	\$0.00	\$0.00	\$758.16
Inlet Inspection	15	194.00	\$6,668.00	\$3,213.69	\$146.58	\$0.00	\$0.00	\$10,028.27
Inspection Of Pipes	7	50.00	\$1,714.26	\$1,306.79	\$0.00	\$0.00	\$0.00	\$3,021.05
Storm Sewer Repair	181	3,427.50	\$115,008.72	\$81,837.70	\$28,754.74	\$0.00	\$1,624.35	\$227,225.51
Storm Sewers Cleaning	125	1,155.00	\$38,624.99	\$27,730.19	\$0.00	\$0.00	\$1,060.80	\$67,415.98
Street Sweeping	684	9,266.50	\$313,815.79	\$535,720.59	\$3,484.83	\$0.00	\$1,574.63	\$855,956.61
Tasks: 9	1,180	16,797.00		\$705,520.72		\$0.00		\$1,324,739.38
			\$566,703.04		\$43,846.63		\$7,176.98	

City of Peoria

Cost Summary By Task

Reporting Dates All Dates

Task	Activities	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Inspection of Tree	80	258.50	\$9,204.86	\$4,065.88	\$0.00	\$0.00	\$0.00	\$13,270.73
Mowing	155	461.74	\$15,381.17	\$14,428.93	\$0.00	\$136,891.02	\$0.00	\$166,722.15
Tree Planting	118	747.50	\$22,220.67	\$12,376.53	\$2,565.45	\$466.65	\$0.00	\$37,629.30
Tree/Brush Trimming	3,174	45,444.89	\$1,541,417.98	\$1,301,268.57	\$47.06	\$14,159.15	\$12,935.27	\$2,954,397.05
Tree/Brush Trimming/Removal Contract	43	259.50	\$9,403.37	\$5,979.24	\$0.00	\$26,654.80	\$0.00	\$42,037.41
Weed Eat / Trim	36	9.00	\$301.88	\$37.84	\$0.00	\$52,214.68	\$0.00	\$52,554.40
Tasks: 6	3,602	47,181.12	\$1,338,156.99		\$230,386.30		\$3,266,611.04	
			\$1,597,929.91		\$2,612.51		\$12,935.27	

City of Peoria Landscape Stewardship and Maintenance (Citywide)

Key focus Areas:

- Green infrastructure projects – Maintenance, weeding, cut back and trimming, litter, herbicide, leaf clean up
 - Washington St/Jefferson/Adams/all cross streets in Warehouse district sunken beds
 - Macarthur Ave rain garden/Valeska Hinton native prairie bed (very large area)
 - Sunken beds Main and University
 - Assist at Folkers sunken beds as needed
 - Nebraska bioswale
 - Richwoods High School bioswales
 - Adams Pilot project bioswales
- Landscape design and installation with set budgets per location
- War and Knoxville – Assist volunteers as needed/herbicide application/heavy machinery
- Sterling at I-74 – Trimming, weeding, herbicide application, planting as needed
- Sterling at Rockwood - Trimming, weeding, herbicide application, planting as needed
- Allen/Alta roundabout – Cut back grasses for visibility, weeding, herbicide, trimming
- Allen/Hickory Grove – New plantings, grass cut back, weeding, herbicide, trimming
- Alta/Radnor – Cut back grasses, weeding, herbicide, trimming (very large area to cover)
- Fulton Plaza – Maintain planter annual beds, litter, trimming
- City Hall – Annual pole planters, annual planters near doors, litter, trimming
- Sheridan – Annual pole planter install and maintenance
- Main St – Annual pole planters, annual and perennial cement planters at Sheridan
- University – Annual pole planters, cement planters at Col. Terr
- Glen Oak roundabout/New York – Weeding, herbicide, grass cut back, trimming
- City of Peoria Police Department – Leaf clean up, weeding, trimming, herbicide, parking lot spray, annual plantings
- Washington Rose bed – Rose pruning, weeding, herbicide, trimming, litter (large area)
- Washington and Eaton- “Peoria” plantings, annual plantings, brick and bed herbicide, weeding
- Main St at Hoops – Litter and help maintain annual plantings
- Washington Roundabout- Weeding, trimming, pruning, herbicide
- War/Grand - Herbicide application, tree trimming, shrub pruning, weeding
- Kumpf Blvd – Herbicide in medians, trimming, weeding
- Fulton St – Mulch, weed in all roadside beds, Jefferson to Monroe
- Walnut, Washington to Water
- Knoxville/74 Triangle bed, Top of hill at Illinois intersection (partial maint. by IDOT)

Secondary focus areas

- Dries Lane – concrete, gravel/rock area herbicide application. Assist Peoria Corps as needed
- Washington St PW/PPD Storage lot – Tree/brush cut back, herbicide application to lot areas
- Fire Station 14 – General maintenance, herbicide application
- Fire training Academy – Assist as needed, herbicide application
- ESDA – Herbicide application to lot, tower, rock areas. Minor tree/brush trimming
- 3560 SW Adams – Herbicide application, mowing
- Moss to MLK abandoned ROW – Tree cut back as requested, herbicide application
- MLK upper hillside – Trim back and herbicide application for vehicle clearance/sightlines
- Russell st turnabouts -Weeding, trimming, litter
- St James turnabouts – Weeding, trimming, litter
- City parking lots Main/One world/Spring/Adams – Litter/trim/leaf clean
- Madison and Abington -Rose pruning, litter, trimming, weeding, herbicide
- Western and MLK- Weeding, trimming, herbicide
- Spring St pocket parks- Planter maintenance, brick herbicide application, shrub trimming
- Welcome to Peoria Sign SW Adams – Trimming, weeding, herbicide, tree branch removal
- Nebraska/Columbia Terrace – Shrub trimming, weeding, brick paver herbicide application, corner planters
- Gwynn/Pryor – Pocket park, herbicide, litter, trimming
- Lehman at Newman- leaf clean up, herbicide, trimming, pruning
- Heart of Peoria Park W Nebraska – Leaf clean, litter, herbicide, trimming, weeding
- Bigelow – New tree plantings, stake and maintain/water for establishment

Mulch Applications

- Rolling yearly cycle of mulch installation
 - Generally, all locations will get mulched every other year
 - High visibility locations get mulch every year
 - Roughly 475 Cubic yards installed/year
 - Installed with 7 cubic yard mulch blower, heavy machinery, dump trucks etc
 - Installed with preemergent long term weed control
 - Produced by JIMAX grinding operations for COP and non-profit orgs/mulch giveaway

Fall preparation/cut back

- All areas treated for pests as needed
- Grasses and other shrubs cut back as needed, roses pruned, leaves removed, final winter preparations, litter removal
- All sites are prepared for winter, high visibility and secondary locations

Citywide ROW/Street herbicide application

- All arterials, secondaries, and numerous residentials sprayed with long term residual control herbicide
- Use of advanced herbicide spraying apparatus for automatic undesirable growth recognition and spraying
- Hillside, detention basin, bridge underdeck, guardrail etc custom spraying as requested by COP PW
- High traffic areas with sign board and attenuator protection (Route 150, War Memorial, Knoxville)
- COP turfgrass herbicide as directed/needed for COP mow routes
- Guardrail string trimming/herbicide at 25 COP locations. Roughly 7200 feet in length
- Roughly 100 centerline road miles maintained
- High visibility locations sprayed 3-4 times/year
- Secondary and residential areas 1-2 times per year
- Pre-emergent and spot spray applications in all COP maintained landscape beds
- Spot spray/trim/clean up for COP pavement preservation operations
- Treatment for teasel/thistle/other difficult species in defined roadside areas
- Brick streets East Bluff and Macarthur areas sprayed full width with long term herbicide

Grinding Operations

- Disposal of COP brush/tree material from PW operations
- Production of mulch used for city property/mulch giveaway/non profit and neighborhood associations
- No cost to COP from these operations other than storms and material generation of a significant magnitude (ice storms, wind storms, heavy rain etc)
- Day to day material from COP is ground, processed, and delivered at no charge to the City

Labor Hours 2022

Total Labor Hours, Landscape Maintenance (exclusive of field supervisors) – 1206 hours

Field Supervisor Hours, Landscape Maintenance (Includes Crew lead and applicator hours) – 1108.75 hours

Total labor hours Landscape Maintenance (all staff) – 2314.75 hours

Mulch blower hours (includes 2 operators) – 62 hours

Grinding operations from storms (Includes 2 operators) – 33 hours

Chemical application truck hours for COP operations billed – 201 hours

Medium duty dump truck hours for COP operations (billed at approximately 30% time) – 564 hours

Labor Hours 2022 (continued)

Office staff, management personnel, procurement, research/certification time all not billed to City of Peoria. 1 hour/day per crew member for set up and take down time also not billed to City of Peoria

Office staff and management time estimated at 115 hours/year

Unbillable crew time estimated at 245 hours/year

Staff assigned

Full time COP assigned landscape maintenance field supervisor – Assigned March-Late Nov

Full time COP landscape maintenance assistant – April-Nov

Chemical Applicators (4 on staff, certified in 6 categories. Required to specify and mix chemicals in Illinois. Min 1 required per company to apply herbicide. Must be certified in EACH category to be sprayed) – Assigned to COP for 4 routes per year and requested COP assignments as needed. Long term herbicide substantially reduces labor hours for road spraying. Almost 65% reduced labor time with better application methods and chemical

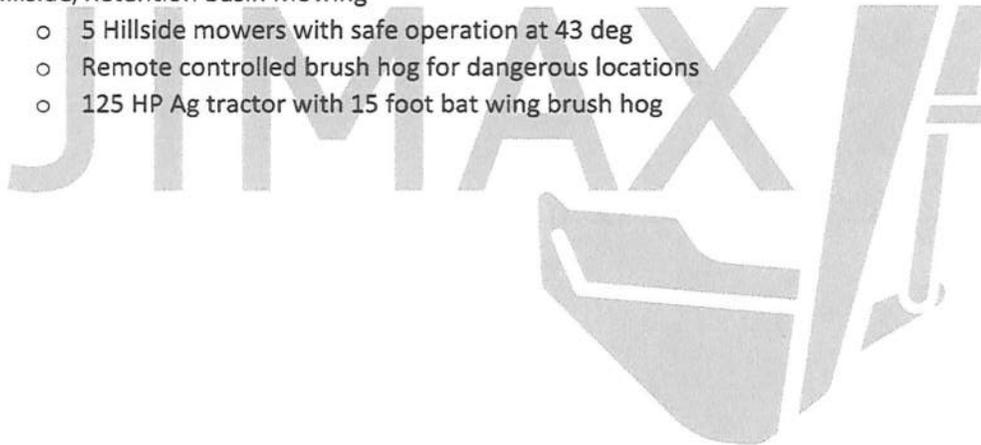
Chemical Operators (lower classification than applicator, certified to safely apply pesticides, but not specify or mix them – required for all persons spraying in Illinois) – Assigned for 4 routes per year

As needed staff – Mulch blower operators, heavy equipment operators, tree workers, extra landscape maintenance assistants in peak season, watering crew, planting staff, management and oversight, landscape design, hardscape workers, grinding operators, truck drivers, crane operators

Continued on next page

Standard Crew(s) assigned

- Maintenance crew – 1 landscape supervisor, NGICP certified and 1 assistant landscape laborer
 - Med duty dump truck, or water truck as needed for assignments
 - Misc. hand weeding tools, pruners and power equipment as needed
 - Full time assignment to COP, landscape maintenance on continuous cycle 5 days/week
 - As needed extra labor for June/July and larger landscape installation projects
- Herbicide application crew
 - Chemical application truck with automated WeedSeeker system, booms and boomless systems hand reels, pumps, herbicide tanks etc.
 - Tractor or self-propelled boom sprayer with wand – turfgrass and inaccessible areas
 - Granular or spray applications to landscape bed areas
- Mulch Application Crew
 - Medium duty dump trucks as required (x2)
 - Pre staged mulch piles with semi trailers
 - Skid steer loader and operator
 - Finn BB-5 mulch blower with two operators
- Hillside/Retention Basin Mowing
 - 5 Hillside mowers with safe operation at 43 deg
 - Remote controlled brush hog for dangerous locations
 - 125 HP Ag tractor with 15 foot bat wing brush hog



APPENDIX K - PEORIAN CORPS REPORT

PeoriaCorps Update for 2022

PeoriaCorps was on hiatus from October 2021-April 2022 due to program director vacancy and contract transition from IDPH to IDHS funding, the contract transition effected all Illinois state AmeriCorps programs. The program returned robustly in September of 2022 under new program director, Amelia Ohlogge, with a fall cohort of 5 young adults whose service term runs through March of 2023 (please note that PeoriaCorps was reduced from 10 slots per cohort to 6 slots per cohort in 2021 due to recruitment and retention challenges experienced historically by the program). Since its inception in 2017, PeoriaCorps has had 57 participants complete the program. In 2022, the OSHA 10 general industry certification was added to the existing NGICP certification offered by the program, through funding from the Edwards Coal Plant Settlement Fund. Numbers were a bit lower for 2022, as no cohort was held from January 2022 – August 2022 and PeoriaCorps Long Term Crew Supervisor Darren Graves was deployed for military service beginning in October 2022, a new Temporary Crew Supervisor and former PeoriaCorps graduate, Clara Gonzalez was hired in December of 2022 and brings a wealth of knowledge and experience in landscape and native plant maintenance. Despite these program challenges, members still recorded a cumulative of 1435 hours of service during the second half of 2022, including 270 program hours of litter removal, seed harvesting, plant maintenance, installation, and watering of green infrastructure landscapes within the City of Peoria, servicing a total of over 66 acres of green space. Members participated in The National Service Opening Day of Service in recognition of their work in assisting with the installation of native plants in the new landscaping at Peoria's Fire Central located on Monroe in Downtown Peoria. In addition, PeoriaCorps Crew Supervisor Darren Graves worked diligently on the newly rejuvenated landscape at City Hall which features over 2000 new plantings of native plants and grasses.

Commented [A01]: This reflects the cumulative total Service Hours of all members during the reporting period

Commented [A02]: Program Hours Spent on these tasks

Commented [A03]: Number of Acres serviced during the reporting period.

APPENDIX L - EQUIPMENT MAINTENANCE

City of Peoria

01/01/2022 - 12/31/2022

Fleet Maintenance Repair Cost

Grouped By Equipment Type Stormwater

Equip Code	Equipment Name	Parts Cost	In House Labor	Total Cost
7 TON DUMP TRUCK				
101PS	2009 7.6 LITER International W-Dump/Plow	\$3,792.26	\$2,479.42	\$6,308.68
TANDEM TRUCK				
130PS	2006 LITER Sterling tandem dump Trk	\$547.75	\$930.88	\$1,478.63
148PS	2020 10.8 LITER MACK/TANDEM/ DUMP BODY	\$4,739.57	\$1,287.19	\$6,026.76
BUCKET TRUCK				
144PS	Forestry Truck BUCKET/BOOM 40 FT	\$1,629.07	\$2,613.03	\$4,242.10
Truck				
152PS	CREW CAB	\$21.28	\$0.01	\$21.29
153PS	F550 Suprduty Trk-No Plow / 153PS	\$60.88	\$123.75	\$184.63
Sweeper				
204PS	SWEEPER 204	\$6,329.60	\$2,412.03	\$8,741.63
222PS	STREET SWEEPER	\$7,963.74	\$3,417.32	\$11,381.06
234PS	Pelican/3-Wheel Sweeper	\$5,529.90	\$3,184.12	\$8,714.02
235PS	PELICAN SWEEPER	\$9,055.48	\$4,267.26	\$13,322.74
236PS	Pelican Np/3-Whl Sweeper	\$8,300.91	\$3,092.41	\$11,393.32
237PS	ELGIN VACUUM	\$1,231.74	\$985.58	\$2,217.32
EXCAVATOR				
226PS	CAT EXCAVATOR	\$140.40	\$292.83	\$433.23
282PS	CAT MINI EXCAVATOR-USE DASH GAUGE	\$104.50	\$130.60	\$235.10
Back Hoe				
240PS	Backhoe/Loader / 240PS	\$14,887.80	\$4,912.57	\$19,800.37
VACTOR				
245PS	Sewer Vactor 114sd 4x2	\$29,282.43	\$1,262.53	\$30,544.96
		TOTAL PARTS	TOTAL LABOR	TOTAL
		\$93,617.31	\$31,391.52	\$125,045.83

EQUIPMENT MAINTENANCE

The Public Works crews use street sweepers, work trucks, jetting and vacuuming trucks, excavators, back hoes, as well as an array of other equipment and tools. Public Works Fleet staff maintain the tools and equipment used by Public Works crews. Having the correct equipment makes it safer as well as more efficient to complete the work needed. Costs for stormwater equipment maintenance in 2022 are broken down as follows. The cost of parts has increased substantially from the previous year and cost us a total of \$93,617.31. The cost of labor has remained stable, but with the ageing of the units they were in need of more in-depth repairs than the past. The 2022 cost of labor to repair and upkeep the units was \$31,391.52.