

PREPARED
BY



Illinois Environmental Protection Agency

State Revolving Fund 2025 Project Plan

CITY OF PEORIA, ILLINOIS

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1. Introduction

The City of Peoria (Peoria) plans to construct combined sewer overflow (CSO) offline storage and opportunistic green infrastructure (GI) as part of this project plan. Attachment A shows the project areas in relation to the community as an 8.5x11, Attachment B includes larger and zoomed in maps of the project areas. Sections 4.2 and 4.3 discuss the project selection and project details.

1.1 Background

Peoria is a combined sewer community located in central Illinois along the Illinois River. The estimated population of Peoria is 113,442 based on the 2020 U.S. Census Data. Peoria is part of a metropolitan area of approximately 362,000 people located in several communities bordering the Illinois River anchored by Peoria. Peoria's population has declined 2% from 2010 to 2020 based on the Illinois Department of Health community data profile.

The Greater Peoria Sanitary District (GPSD) treats the wastewater generated within Peoria at a wastewater treatment plant (WWTP) located on Darst Street. The WWTP is designed to treat an average daily flow of 37 million gallons per day (MGD) and a peak flow of 60 MGD. The WWTP has the capacity to provide primary treatment and disinfection for 154 MGD.

Sewage is conveyed to the WWTP through two interceptors. The Kickapoo Interceptor, with a capacity of up to 74 MGD, serves the western side of Peoria along with several adjacent communities. It conveys sanitary sewage. The Riverfront Interceptor, with a capacity of up to 80 MGD, serves the eastern side of Peoria and some northern adjacent communities. It conveys a mixture of sanitary and combined sewage.

The area served by the RFI includes 3.9 square miles of separate sewers that flow directly into the Riverfront Interceptor, along with 8.3 square miles of combined sewers that enter the Riverfront Interceptor through a total of 19 regulating structures and two swirl concentrators. GPSD owns and operates the Kickapoo and Riverfront Interceptors, all regulating structures, and some of the separate sanitary sewers. Peoria owns the swirl concentrators, combined sewers, some of the separate sanitary sewers and the 16 permitted combined sewer outfalls.

1.2 Long Term Control Plan and Consent Decree

In December 2008, Peoria developed its CSO Long Term Control Plan (LTCP) to describe actions for Peoria to conform to Clean Water Act (CWA) requirements as defined by the United States Environmental Protection Agency (USEPA). Peoria submitted a revised CSO LTCP in March 2010. Peoria is also subject to Illinois State Statutes regarding wastewater discharges and CSO control. The requirements are defined by the Illinois Pollution Control Board and administered by the Illinois Environmental Protection Agency (IEPA).

Peoria’s objectives in completing the LTCP were to come into and remain in full compliance with the terms and conditions of its National Pollution Discharge Elimination System (NPDES) Permit and to meet the objectives of USEPA’s April 19, 1994 Combined Sewer Overflow Policy (59 Federal Register 18688), the Clean Water Act, and the CSO control requirements of the Illinois Administrative Code.

From 2014 through 2020, Peoria and GPSD negotiated a Consent Decree (CD) with the USEPA, IEPA, and United States Department of Justice (DOJ). The final CD was executed on March 4, 2021 and has an 18-year implementation period. Both Peoria and GPSD will complete projects to achieve the goals of the CD. The CD provides Peoria the flexibility to implement a variety of projects as part of the CSO reduction program, such as distributed green infrastructure, in-system storage, and offline storage. GPSD has a defined list of CSO reduction projects that consists of regulator, throttle pipe, control gate, and Riverfront Interceptor improvements.

The projects implemented as part of the CSO reduction program are intended to achieve the following final performance criteria at the end of the 18-year implementation period and CD interim performance criteria milestones as shown in Table 1.

Final Performance Criteria

1. Eliminate CSOs for all storms less than or equal to the 6-month, 6-hour design storm
2. Eliminate CSOs during the 1949 “typical year” except during the July 21, 1949 and December 20, 1949 events
3. Limit the CSO volume discharged during the July 21, 1949 event to no more than 16.3 million gallons (MG) when analyzed in the Final Conditions H&H Model.

Table 1 | Interim Performance Criteria Milestones from Final Consent Decree

	Interim Performance Criteria Milestone #1	Interim Performance Criteria Milestone #2	Interim Performance Criteria Milestone #3	Interim Performance Criteria Milestone #4
CSO Individual Discharge Reduction	None	25%	40%	60%
CSO Evaluation Volume Reduction	20%	35%	50%	70%
Interim Performance Criteria Evaluation Monitoring Period	January 1, 2026 to December 31, 2026 “Year 4”	January 1, 2029 to December 31, 2029 “Year 7”	January 1, 2032, to December 31, 2032 “Year 10”	January 1, 2036 to December 31, 2036 “Year 14”
Interim Performance Criteria Report Submittal	March 31, 2027	March 31, 2030	March 31, 2033	March 31, 2037

1.3 Proposed Projects and Project Area

The proposed projects for this project plan consist of offline storage to manage CSO flow and GI, such as permeable pavement, detention basins, subsurface storage and infiltration, etc., to manage stormwater runoff before it enters the combined sewer system, thereby reducing CSOs. One offline storage project is planned to achieve Interim Performance Milestone #2 of the CD, see Section 1.2 for performance criteria information. The preferred offline storage project is for the Cedar Street outfall; however, Peoria does not yet own the land at the target site. This project plan includes offline storage for the Eaton/Fayette Street outfalls as a secondary option if land acquisition for the Cedar Street storage project is delayed. The offline storage project areas and GI project planning areas are shown in Attachment B. It is anticipated that opportunistic GI, which is GI implemented in conjunction with another project as described in Section 4.2, will be constructed within the project planning area, located in alleys and roadways within existing right-of-way in combined sewer areas, as shown in Attachment B. Additional information regarding the projects is provided in the Basis of Design Sections 5 and 6.

2. Description of Existing System and Receiving Stream

2.1 Wastewater Collection System

Peoria has a sewer system that drains 12.2 square miles of service area to the Riverfront Interceptor. The service area includes 3.9 square miles of separate sewers that flow directly into the Riverfront Interceptor along with 8.3 square miles of combined sewers. Sewage from the combined sewer service area enters the Riverfront Interceptor through a total of 19 regulating structures and two swirl concentrators. Excess wet weather flow discharges to the Illinois River through 16 permitted CSO outfalls.

The Riverfront Interceptor sewer runs parallel to the Illinois River and discharges to the GPSD WWTP. The Riverfront Interceptor receives flow from 20 main trunk sewers, owned by Peoria, ranging in diameters from 12" to 42" on the upstream side to 12" to 84" on the downstream side. Trunk sewer shapes are circular, oval, and egg shaped and are of brick, reinforced concrete, or other standard pipe material. Flow from the combined sewer area to the Riverfront Interceptor is controlled by the regulator structures. Excess flow is conveyed from the regulator structures into the Illinois River via outfall pipes, or combined sewer overflow outfalls, which are permitted by the IEPA through the NPDES. The regulator structures, Riverfront Interceptor, and WWTP are owned and operated by GPSD. The combined sewer system sewers and outfalls are owned by Peoria.

Peoria owns two 53,000-gallon swirl concentrators that were designed to prevent floating debris and trash from discharging out outfalls. Five of the 19 regulators divert flow to the swirl concentrators. There is one 5,197-foot storage sewer designed to reduce the quantity and frequency of overflows in the area northeast of downtown. The storage sewer has the capacity to store 40,000 gallons of sewage prior to overflowing. Flow from the storage sewer is introduced into the Riverfront Interceptor through a vortex flow regulator.

2.2 Sewersheds, Regulators, and Outfalls

The sewersheds are shown on Attachment C, along with the stormwater drainage areas. Each of Peoria's outfalls has one or more distinct sewersheds draining to it. Twelve of the CSO outfalls are considered "active" while the other four are "emergency" CSO outfalls that rarely, if ever, overflow. Eight of the twelve active outfalls discharge excess wet weather flow to the river during multiple rainfall events each year. The other four active outfalls overflow much less frequently. Table 2 lists the outfalls, regulators, and sewersheds tributary to the outfalls.

Table 2 | Combined Sewer System Outfalls, Regulators, and Sewersheds

Outfall	Regulator Name	Regulator Location	Upstream Sewershed(s)
019	Darst Street	Darst St. N of Crowell St.	Darst Street
018	Sanger Street	Sanger St. NW of SW Washington St.	Sanger Street
	West Washington	SW Washington St. W of Sanger St.	
	East Washington	SW Washington St. E of Sanger St.	
017	South Street	South St. and SW Water St.	South Street
016	Cedar Street	Cedar St. NW of Water St.	Cedar Street
	Water Street	SW Water St. NE of Cedar St.	
014*	State Street	State St. and SW Water St.	State Street
013*	Walnut Street	Walnut St. and Commercial St.	Walnut Street
n/a	None - Franklin Street trunk sewer connects directly to the interceptor		Franklin Street
011*	Harrison Street	Harrison St. and Commercial St.	Harrison Street
010*	Liberty Street	Liberty St. SE of S. Washington St.	Liberty Street
009	Fulton Street	Fulton St. SE of S. Washington St.	Fulton Street
007A	<p style="text-align: center;"><u>Fayette Swirl Concentrator</u></p> Flow from the following sewersheds is carried in one common sewer pipe to the Fayette Swirl Concentrator. The common pipe is directly connected to the following regulators and thus must surcharge to cause overflows at the connected outfalls.		
020*	Main Street	Main St. SE of S. Washington	Main Street
008*	Hamilton Boulevard	Hamilton Blvd. SE of S. Washington St.	Hamilton Boulevard
007A*	Fayette Street	Fayette St. NE of Washington St.	Hamilton Boulevard
006A/ 006B^	<p style="text-align: center;"><u>Eaton Swirl Concentrator</u></p> Flow from the following sewersheds is carried in one common sewer pipe to the Eaton Swirl Concentrator. The common pipe is directly connected to the following regulators and thus must surcharge to cause overflows at the connected outfalls.		
006A/ 006B*^	Eaton Street	Eaton St. N of Water St.	Eaton Street
001*	Green Street	Green St. North of Water St.	Green Street
003	<p style="text-align: center;"><u>Spring-Caroline Storage Sewer</u></p> Excess flow from the following sewersheds is carried to the storage sewer.		
n/a	Spring Street	Spring St. and Bond St.	Spring Caroline
n/a	Caroline Street	Caroline St. and Bond St.	
Notes *These outfalls have high overflows for emergency collection system relief. ^Outfalls 006A and 006B are two separate, but parallel outfalls that both carry overflows from the Eaton Swirl Concentrator and Eaton Regulator. They are connected by a common upstream junction box and typically overflow at the same time. Outfalls 002, 004, 005, 012, and 015 have been abandoned or destroyed.			

2.3 Wastewater Treatment Facility

The GPSD owns and operates a WWTP to treat domestic and industrial wastewater generated within its service area. The treatment plant has been in operation since 1931 and is located at 2322 South Darst Street along the shore of the Illinois River.

The wastewater treatment employs primary, secondary, and advanced treatment to achieve biological oxygen demand (BOD), total suspended solids (TSS), ammonia, and bacteria discharge limits. The WWTP is designed for a daily flow of 37 MGD and a peak flow of 60 MGD. The WWTP has the capacity to provide primary treatment and disinfection for 154 MGD. The WWTP and treatment processes are shown in Figure 1. Recently, GPSD completed a major treatment plant improvement project to allow for enhanced biological phosphorus removal. This modification is not reflected in Figure 1.

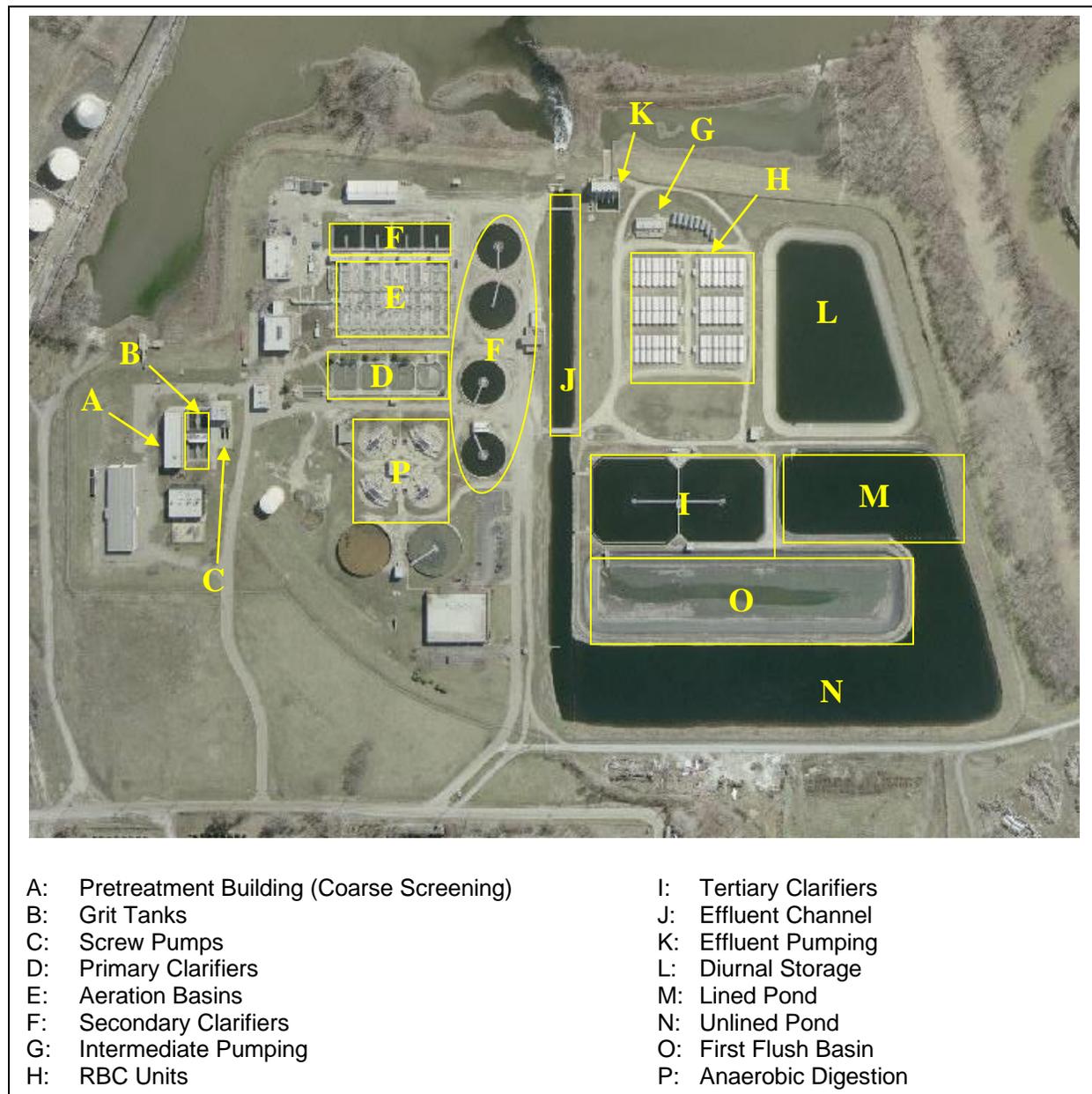


Figure 1 | GPSD Wastewater Treatment Plant and Treatment Processes

Peoria constructed two satellite primary treatment units, the Fayette and Eaton Swirl Concentrators, in 1992. These treatment units provide screening and some solids removal upstream of the Fayette (007A) and Eaton (006A/006B) combined sewer outfalls. The two units are enclosed in a common building and are located adjacent to the Murray Baker Bridge (I-74) on the west bank of the Illinois River.

2.4 Receiving Waterbody

Combined sewer overflows from Peoria discharge into the Illinois River. The Illinois River forms Peoria's east and southeast boundary and divides Peoria and East Peoria. This section of the river is located in the lower part of the Peoria Pool that extends from the Peoria Lock and Dam at River Mile 157.6 upstream to the Starved Rock Lock and Dam at River Mile 231.0.

The Illinois River watershed at Peoria drains approximately 14,165 square miles. The watershed upstream of Peoria includes much of northeastern Illinois and portions of northwest Indiana and southeast Wisconsin.

2.5 Project Area Watershed and Total Maximum Daily Load

As shown in Attachment D, the project is located primarily in two hydrologic unit code (HUC) 12 areas: 071300011705 Tenmile Creek-Illinois River and 071300030304 Pekin Lake-Illinois River. According to the IEPA's 2024 Water Quality Report and Section 303(d) Appendix C-2, the Illinois River reach D-30 in HUCs 0713000117 and 0713000303 is impaired for aldrin, dieldrin, endrin, heptachlor, mercury, mirex, polychlorinated biphenyls (PCBs), and toxaphene¹ for fish consumption and atrazine, and iron for public and food processing water supply. Attachment E shows the impaired waterways in the project area.

The Total Maximum Daily Load (TMDL) Report for the Middle Illinois River is available at:

<https://epa.illinois.gov/topics/water-quality/watershed-management/tmdls/reports.html#ill>

According to the 2012 TMDL Report, the Illinois River near the project area is impaired for fecal coliform, manganese, and total dissolved solids.

¹ List is from Appendix C-2. Illinois 2024, 303(d) List, Sorted Alphabetically by Water Body Name from the IEPA 2024 Integrated Water Quality Report & Section 303(d) List, 2024, October 2024. Note that Appendix A-1. Specific Assessment information for Streams, 2024 does not list Dieldrin, Heptachlor, or PCBs.

3. Technology Evaluation

As part of the LTCP, Peoria identified and evaluated CSO controls that would result in compliance with the CWA. The evaluation of technologies and development of alternatives fulfilled the requirements of Special Condition 10.c.3, Evaluation of Alternatives, of Peoria's NPDES permit (#IL0037800).

3.1 Discussion of Technologies

Peoria evaluated the following conveyance and treatment technologies and selected GI, offline storage, and in-system storage as the primary technologies for reducing CSO discharges.

Wet Weather Flow Reduction - This technology involves disconnection of storm sewers from the combined sewer system as well as source reductions through removal of storm inlets, area drains, downspouts, and implementation of green infrastructure alternatives.

Sewer Separation - This technology includes the installation of a new storm sewer system and disconnection of all storm water sources to the combined sewer system. The existing combined system would then function as a sanitary sewer system.

Conveyance to WWTP for Storage, Treatment and Disinfection - This technology involves improvements to the combined sewer collection system and the WWTP. Improvements to the collection system would include the installation of a large diameter relief sewer to handle flows that exceed the capacity of the Riverfront Interceptor. Improvements to the WWTP would include the installation of additional first flush storage and disinfection capacity as required to meet federal and state requirements.

Inline Storage and Conveyance to WWTP for Primary Treatment and Disinfection - This technology involves improvements to the combined sewer collection system. Improvements to the collection system would include installing an oversized relief sewer between the outfalls and the WWTP to store and convey flows that exceed the capacity of the Riverfront Interceptor. Storage would be sized to provide sufficient equalization so as not to require treatment capacity improvements at the WWTP.

In-System Storage – This technology involves implementing improvements to store flow within existing sewer system where pipes have unused capacity. This is achieved by adding weirs and orifices to manholes at locations in the collection system where there are long lengths of relatively flat pipe upstream. The weirs and orifices promote the storage of flow in the unused capacity in these pipes, which will decrease the flow rate reaching the downstream regulator.

Offline Storage without Disinfection - This technology involves the construction of storage facilities throughout the combined sewer system to capture combined sewer flow that would otherwise discharge to the Illinois River. The collected water would then be metered back into the Riverfront Interceptor for treatment at the WWTP when capacity is available. Flow in excess of storage and Riverfront Interceptor would be discharged via the CSO outfall.

Offline Storage with Disinfection – This technology involves the construction of storage facilities throughout the combined sewer system to collect the first flush volume, less the first flush volume that can be transported by the Riverfront Interceptor. The collected water would then be metered back into the Riverfront Interceptor for treatment at the WWTP when capacity is available. Flow in excess of storage and Riverfront Interceptor conveyance capacity would be disinfected.

Offline Storage and End of Pipe Primary Treatment and Disinfection – This technology involves the treatment of combined sewage at remote locations throughout the combined sewer system, after capture of the first flush volume, with discharge at the nearest existing outfall. Flow exceeding storage and conveyance capacity of the sewer system would receive the equivalent of primary treatment and disinfection prior to discharge from the outfalls.

End of Pipe Primary Treatment and Disinfection – This technology involves the treatment of combined sewage at remote locations throughout the combined sewer system with discharge at the nearest existing outfall. Flow exceeding the conveyance capacity of the sewer system would receive the equivalent of primary treatment and disinfection prior to discharge from the outfalls.

Based on these technologies, 19 detailed alternatives were developed and presented in Peoria's LTCP. Ultimately, with the USEPA approval, Peoria selected a hybrid combination of solutions including wet weather flow reduction using distributed GI, increasing conveyance to the WWTP with regulator and throttle pipe improvements, and in-system and offline storage.

4. Selected Alternatives for this Project Plan

Peoria plans to construct offline storage and opportunistic GI to meet Interim Performance Milestone #2. After receiving construction costs for the first four years of GI projects, evaluating GI project performance, and completing preliminary planning studies for offline storage and in-system storage, Peoria performed an updated analysis of the cost-effectiveness of project types and made updates to the planned CSO reduction program projects based on the analysis. Details of the original 2019 analysis for project planning are in Section 4.1 and the updated 2025 analysis is described in Section 4.2. Peoria's projects to meet the CD requirements are flexible. Peoria will continue to evaluate the cost-effectiveness of projects, and adapt future proposed projects accordingly, including prior to starting work towards Interim Performance Milestone #3. Section 1.2 includes Peoria's Final and Interim Performance Criteria from the CD for reference.

4.1 Initial Project Planning

In the Spring of 2019, the most cost-effective combination of GI, in-system and offline storage, and regulator/throttle pipe improvements were determined that would meet the performance requirements of the CD and provide the best value for the rate payers.

To meet the performance requirements of the CD, projects are being undertaken by both Peoria and GPSD. The GI and storage projects will be owned and funded by Peoria. The regulator, throttle pipe, and Riverfront Interceptor improvement projects will be GPSD owned and funded projects. The CD provides 18-years to implement the selected improvements.

The following summarizes the original conceptual, planned project mix to be implemented throughout the 18-year period. These projects were selected by Peoria and GPSD and reviewed by USEPA and DOJ. Peoria's projects are flexible, and the CD allows for modifications throughout the implementation period.

1. **Green Infrastructure (City of Peoria Project)** to capture approximately 78% of runoff below the bluff in the Sanger and South sewersheds and 100% of the runoff below the bluff in the remaining sewersheds, except Darst.

Distributed GI below the bluff, where native infiltration rates are higher, was originally expected to be more cost-effective than offline storage and thus the preliminary plan maximized its use to reduce runoff to the sewer system.

2. **In-System Storage (City of Peoria Project)** at ten locations in the Darst, Sanger (associated with regulator improvements), South, Cedar, Fayette, and Eaton sewersheds.

Previous analyses have shown that in-system storage can be extremely cost-effective compared to other improvements. The locations originally assumed were based on a preliminary analysis of locations suitable for in-system storage. Other opportunities for in-system storage were planned to be evaluated during preliminary engineering.

3. **Offline Storage (City of Peoria Project)** to manage CSO flow from the Darst (0.1 MG), Cedar (0.8 MG), Fayette (0.3 MG), and Eaton (0.9 MG) and Spring/Caroline (2.2 MG) sewersheds. Note that the storage volumes and locations are subject to change based on the performance of other projects.
4. **Riverfront Interceptor Sediment Removal (GPSD Project)** GPSD will remove substantially all of the existing debris and sediment from the Riverfront Interceptor in accordance with the Consent Decree.
5. **Investigate and Address Restriction in Riverfront Interceptor Between Darst Street and Cedar Street (GPSD Project)** GPSD will investigate the existing Riverfront Interceptor conflict structure and any other unusual and material restriction in the Riverfront Interceptor between Darst Street and Cedar Street and resolve the restrictions, in accordance with the Consent Decree.
6. **Improve Sanger and South Regulators and Throttle Pipes (GPSD Project)** by modifying the existing throttle pipe or adding an additional throttle pipe, modifying or adding regulating structures, and adding or updating gate controls to regulate flow, in accordance with the Consent Decree.
7. **Improve Riverfront Interceptor Access at Spring and Caroline (GPSD Project)** by installing localized gate controls, modifying or adding regulating structures and/or throttle pipes to increase flow to interceptor, in accordance with the Consent Decree.
8. **Modify Existing Gate Controls at Cedar, Fayette, and Eaton (GPSD Project).** The Cedar, Fayette, and Eaton localized gate controls shall be investigated and modified, in accordance with the Consent Decree.
9. **Improve Darst Regulator and Throttle Pipe (GPSD Project)** by upsizing the throttle pipe, or adding an additional throttle pipe, and modifying the regulator, if a GI solution will not be most effective within Darst for CSO control, in accordance with the Consent Decree

Peoria's 2020 project plan contains more details on the method for determining initial planned projects listed above. The rest of this project plan focuses on Peoria's projects and does not include details of the GPSD projects, as GPSD will manage and implement them.

4.2 2025 Cost-Effectiveness Analysis

In 2025, Peoria completed planning projects for in-system storage and offline storage. Peoria used the findings from these planning projects, along with cost and performance data from the GI projects completed to date, to update the estimated cost per gallon of CSO volume controlled for each of the planned project types. The analysis identified offline storage as the lowest cost option. The estimated cost per CSO gallon controlled from the original 2019 project planning and the updated 2025 evaluation are in Table 3.

Offline storage 2025 estimated cost, based on an engineer's estimate, is similar to the 2019 estimated cost, with only inflation contributing to cost increases. With the cost estimate increases in GI and in-system storage, discussed below, offline storage is the more cost-effective option for CSO control based on the 2025 analysis.

The 2025 analysis for GI costs, which utilizes actual construction costs from Peoria's Year 1 through Year 4 GI projects, show an increase of almost four times the 2019 estimate. Key items contributing to the increase include higher variability than expected in the native soil infiltration rates, more difficult and frequent maintenance than anticipated, few contractors bidding on the projects, no funding from other sources for co-benefits, and high inflation and supply chain disruptions post-pandemic.

In-system storage estimated costs increased from prior planning numbers as well. The 2019 estimated costs assumed the existing structures could be modified, passive controls could be used, and no upstream sewer lining would be required for the in-system storage projects. The 2025 planning project identified that new, large, deep structures and active controls, including powered gates and sensors, would be necessary to mitigate the risk of basement backups, which significantly increase the cost. Upstream sewer lining is also recommended to reduce risk of structural damage to old brick sewer from the increased head pressure, which was also not included in the 2019 estimate.

Table 3 | Alternatives Cost Comparison

Project Type	2019 Estimated Cost per CSO Gallon Managed (in 2018 dollars)	2025 Estimated Cost per CSO Gallon Managed (in 2025 dollars)	Cost Increase	Reasons for Cost Increase (in addition to inflation)
Offline Storage	\$10.50	\$13.20	x1.3	<ul style="list-style-type: none"> • None besides inflation
GI	\$5.00	\$19.00 ¹	x3.8	<ul style="list-style-type: none"> • Variable soil conditions • Maintenance and performance challenges • Limited contractor availability • Supply chain reductions
In-System Storage	\$1.20	\$21.00	x18.0	<ul style="list-style-type: none"> • New structures • Complex controls • Sewer lining to reduce risk from increased surcharging

¹ Cost is based on actual costs from Peoria's Year 1 through Year 4 GI projects. All other costs are engineer's estimates.

Offline storage has a low level of risk and reliable performance which provides Peoria confidence in achieving Interim Performance Milestone #2. Other offline storage benefits include consistent performance that is not dependent maintenance or soil infiltration rates, fewer CD reporting requirements, and less required maintenance at a lower cost. Implementing offline storage earlier in the CSO reduction program provides a cost-effective, low-risk option for Peoria to achieve CD performance requirements. It also allows Peoria time to continue enhancing GI maintenance techniques and frequencies, while staying on track to meet Interim Performance Milestone #2.

Peoria is committed to GI and plans to include opportunistic GI in their project planning approach. Opportunistic GI is GI that is implemented in conjunction with another project, such as a transportation project, instead of a standalone CSO project. Using this approach, the GI for CSO reduction has a lower cost, and therefore a lower loan amount, because the majority of the project funding comes from other sources, such as grants or motor fuel tax (MFT) funding. These opportunistic GI projects contribute to CSO reduction and provide co-benefits such as improved water quality and improved aesthetic. By incorporating GI into other initiatives, Peoria can reduce the cost of CSO reduction projects.

Peoria revised the projects in the 2019 plan based on the 2025 analysis. The updated estimated project mix to meet Peoria’s CD performance requirements is in Table 4 below. Peoria’s projects are flexible, and the CD allows for modifications throughout the implementation period. Peoria will continue to evaluate and adjust the project mix as needed, particularly once actual costs become available to replace the engineer’s estimates.

Table 4 | Projects based on 2025 Analysis

Years	CD Performance Milestone	Projects
Years 1-4 2022-2025	Interim Performance Milestone #1	<ul style="list-style-type: none"> Year 1, 2, 3, and 4 GI Projects
Years 5-7 2026-2028	Interim Performance Milestone #2	<ul style="list-style-type: none"> Offline Storage for either the Cedar Outfall or Eaton/Fayette Outfalls Opportunistic GI
Years 8-10 2029-2031	Interim Performance Milestone #3	<ul style="list-style-type: none"> Storage for Two Outfalls Opportunistic GI
Years 11-14 2032-2035	Interim Performance Milestone #4	<ul style="list-style-type: none"> Storage for Two Outfalls Opportunistic GI
Years 15-18 2036-2039	Final Performance Criteria	<ul style="list-style-type: none"> Storage for Two Outfalls Opportunistic GI

4.3 Projects Description

Peoria’s projects anticipated to be constructed as part of this project plan are one offline storage project, planned to achieve Interim Performance Milestone #2, and opportunistic GI if there is a suitable project.

- **Offline Storage near the Cedar Street Outfall or Eaton/Fayette Street Outfalls** to manage the CSO volume to achieve no overflows for Peoria’s 6-month 6-hour design storm.
- **Opportunistic GI** incorporated into other planned projects, such as roadway reconstruction, to reduce the amount of stormwater entering the combined sewer system, thereby reducing CSO volume. GI opportunities will be evaluated as they arise and it is anticipated that a GI project may be completed under this project plan.
- **Annual engineering, flow monitoring, and program management** to appropriately size, locate, and evaluate the projects to achieve Peoria’s CD requirements.

Peoria plans to construct an offline storage project to achieve Interim Performance Milestone #2. The proposed storage locations are shown in Attachment B and include options for the Cedar Street Outfall and Eaton/Fayette Street Outfalls. Storage near the Cedar Street Outfall, identified in Attachment B2, is the preferred project and is planned to manage approximately 6.4 MG of CSO volume. Peoria does not currently own the properties for the Cedar Street storage project but is discussing land acquisition with the property owners. Since an offline storage facility is needed for Peoria to achieve Interim Performance Milestone #2, offline storage near the Eaton/Fayette Street Outfalls is also being considered as a backup project if the Cedar Street storage project is delayed due to property acquisition. The Eaton/Fayette storage project would manage the CSO volume from both the Eaton Street and Fayette Street Outfalls and is planned to have a capacity of approximately 5.5 MG. Both the Cedar Street and Eaton/Fayette Street storage projects are planned as part of Peoria's CSO reduction program, but only one will be constructed to achieve Interim Performance Milestone #2. The offline storage project not constructed as part of this project plan will be built at a later date to meet later performance requirements. Preliminary engineering indicates that capital, operational, maintenance, and replacement costs (O, M, & R) are similar for both storage sites, so aside from geographic location, both offline storage projects share comparable financial, design, and operational characteristics.

Opportunistic GI may also be implemented as part of this project plan. Because the GI component will be linked to another project, the precise location has not yet been determined; however, the project will be located within the GI planning area approved in Peoria's 2020 project plan and shown in Attachment B4 and B5. The figures illustrate the roadways in the combined sewer area, below the bluff where the higher infiltrating soils are located. For further details, refer to the GI basis of design in Section 6 below. The impact of opportunistic GI to reduce CSO volume will be evaluated as projects are identified. Other future projects implemented to meet the CD performance requirements will consider the CSO volume managed by the opportunistic GI projects and will be appropriately sized to account for the CSO reduction from other projects.

The estimated costs for the anticipated projects are summarized in Table 5 below. It is expected that 100% of the estimated costs are loan eligible. Modeling will be used to ensure the projects will be appropriately sized and located to effectively remove flow from the combined sewer system and provide the necessary CSO benefit. The engineering, flow monitoring, and program management costs are loan eligible since these tasks are required to size and locate projects appropriately in the relation to specific sewersheds and subcatchments and to achieve the CD performance goals.

4.3.1 Capital Costs Under this Project Planning

Table 5 summarizes the estimated costs of the projects to be implemented under this project plan. The design engineering, construction engineering, and construction cost estimates include one offline storage project and opportunistic GI. The offline storage costs shown are for the Cedar Street storage project, but the Eaton/Fayette Street storage project is anticipated to have a similar cost. A detailed estimate of the construction cost items for the project are included below in Table 6.

Table 5 | Anticipated Projects and Estimated Costs Under this Project Plan

Project: Anticipated Construction Dates: CD Interim Performance Milestone:	Offline Storage 2027-2028 #2	Opportunistic GI 2028 #2	Total 2027-2028 #2
Planning ¹	\$4,800,000	\$250,000	\$5,050,000
Design Engineering	\$3,600,000	\$450,000	\$4,050,000
Construction Engineering	\$6,000,000	\$450,000	\$6,450,000
Construction	\$60,000,000	\$3,000,000	\$63,000,000
10% Contingency on Construction Cost	\$6,000,000	\$1,800,000	\$7,800,000
TOTAL PROJECT COST²	\$80,400,000	\$5,950,000	\$86,350,000

¹ Planning costs include flow monitoring, program management, and CD compliance.

² Total project cost shown is for loan eligible items. Land acquisition costs will be part of the project but are not loan eligible and are not included in the table costs.

Table 6 shows a detailed preliminary cost estimate of the offline storage construction items. The 30% contingency in Table 6 is for undesigned details. The 10% contingency in Table 5 above is for construction costs.

Table 6 | Estimate of Detailed Offline Storage Construction Item Costs

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT COST	COST
1	Mobilization	LS	1	\$2,012,000	\$2,012,000
2	Demo and Paving/Landscape Restoration	SY	13,000	\$80.00	\$1,040,000
3	Excavation	CY	141,000	\$15.00	\$2,115,000
4	Earth Retention	SQFT	73,000	\$48.00	\$3,504,000
5	Backfill	CY	99,000	\$16.00	\$1,584,000
6	Concrete Tank	GAL	6,400,000	\$1.60	\$10,240,000
7	Pump Station, Screens, and Odor Control	LS	1	\$12,280,000	\$12,280,000
8	Electrical, Instrumentation and Controls	LS	1	\$5,600,000	\$5,600,000
9	Piping and Appurtenant Structures	LS	1	\$4,900,000	\$4,900,000
SUBTOTAL					\$43,275,000
CONTINGENCY FOR UNDESIGNED DETAILS (30%)					\$12,980,000
TOTAL ESTIMATED CONSTRUCTION COST (2025 DOLLARS)					\$56,255,000
TOTAL ESTIMATED CONSTRUCTION COST WITH 3% ANNUAL INFLATION					\$59,680,000

4.3.2 Operations, Maintenance, & Replacement Costs

The estimated annual operation, maintenance, and replacement (OMR) costs are estimated as a percent of the construction cost and are summarized below in Table 7.

Table 7 | Estimated Operation, Maintenance, and Replacement Costs for Projects in this Project Plan

Project Type	Estimated Construction Cost	Estimated % of Construction Cost for OMR	Estimated Annual OMR Cost
Offline Storage	\$60,000,000	0.5%	\$300,000
Green Infrastructure	\$3,000,000	5.5%	\$165,000
TOTAL			\$465,000

4.3.3 Schedule for Projects to be Implemented Under this Project Plan

Table 8 summarizes the proposed implementation schedule for design, bidding, and construction of the offline storage project to be completed as part of this plan. Opportunistic GI will be incorporated into other projects as opportunities arise and it is cost effective for the CSO reduction provided.

Table 8 | Preliminary Schedule for Offline Storage Project to be Implemented Under this Project Plan

Description	Date
Peoria Submits Project Plan to IEPA	November 2025
IEPA Issues Preliminary Environmental Impact Determination (PEID)	February 2026
Peoria Advertises the PEID and Conducts Public Hearing with Comment Period	March 2026
IEPA issues planning approval	March 2026
Peoria Submits Funding Nomination Form (FNF) to IEPA	March 2026
Engineer Completes Design of the Offline Storage Project	June 2026
Peoria Completes Land Acquisition	June 2026
Peoria is on the Intended Funding List (IFL) Reserving Funds	July 2026
Peoria Advertises Offline Storage Project for Bids (45 Days Minimum Bid Period, 60 Days Preferred Due to Holidays)	September 2026
Peoria Receives Permits for the Offline Storage Project	November 2026

Description	Date
Peoria Reviews Bids and City Council Approves Contract Award Contingent on IEPA Loan Agreement	December 2026
IEPA Reviews Approval of Bids and Authorizes Loan Agreement for Offline Storage Project	February 2027
Peoria Issues Notice to Proceed to Contractor and Contractor Begins Construction of the Offline Storage Project	March 2027
Contractor Completes Construction of the Offline Storage Project	December 2028
Interim Performance Milestone #2 Evaluation Year	2029

It is anticipated that an IEPA construction permit will not be needed for GI projects as these projects do not modify the existing sewer system and IEPA advised that Peoria's previous GI projects for CSO reduction did not require IEPA construction permits. The offline storage project will require an IEPA construction permit. Coordination for the construction permit is expected to begin in March 2026, when the 60% design is complete. The IEPA construction permit and other applicable permits, such as with the Illinois Department of Natural Resources (IDNR) Office of Water Resources (OWR), will be obtained as needed for the projects.

5. Offline Storage Basis of Design

Peoria plans to use offline storage to reduce CSOs to achieve Interim Performance Milestone #2. The proposed storage project is anticipated to control CSOs from the Cedar Street Outfall. However, the Cedar Street storage project requires land acquisition, which could delay the schedule. Since Peoria needs to complete an offline storage project to achieve Interim Performance Milestone #2 by the end of 2028, the Eaton/Fayette Street storage project is also included in this project plan as an alternate option if land acquisition for the Cedar Street storage project delays the schedule. Either offline storage option will achieve meet Peoria's Interim Performance Milestone #2 and both projects have similar capital costs and basis of design.

5.1 Offline Storage Location

The offline storage locations were selected based on the below factors.

- Availability of land
- Constructability with existing infrastructure
- Consideration of environmental impacts and brownfield sites
- Proximity to regulating structures, outfall pipes, intercepting sewer, and other design factors
- Ability to achieve Peoria's Interim Performance Milestone #2

The offline storage project areas are shown in Attachment B and described below.

- Cedar Street storage project
 - Planned to control approximately 6.4 MG of CSO volume.
 - The latitude and longitude of the approximate center of project area is 40°40'50.6"N 89°36'07.2"W
- Eaton/Fayette Street storage project
 - Planned to control approximately 5.5 MG of CSO volume.
 - The latitude and longitude of the approximate center of project area is 40°41'34.5"N 89°34'59.7"W

5.2 Offline Storage Technology

Offline storage may be aboveground or belowground. The offline storage planned for the Cedar Street and Eaton/Fayette Street storage projects is anticipated to be belowground based on preliminary engineering but may change during design.

- Aboveground storage facilities are expected to utilize the following technology.
 - Steel walls
 - Concrete foundation
 - Pump station to fill storage facility with diverted CSO flow
 - Gravity drain to regulating structure, throttle pipe, or Riverfront Interceptor
- Belowground storage facilities are expected to utilize the following technology.
 - Concrete material for structure
 - Pump station to empty storage facility to regulating structure, throttle pipe, or Riverfront Interceptor

- Gravity diversion to fill facility with diverted CSO flow
- Other design items that will be considered.
 - Odor control to mitigate odor depending on storage facility location, such as near recreational areas
 - Access and cleaning aids to support routine maintenance and cleaning of storage facility

5.3 Offline Storage Assumptions

The assumptions used for Peoria's preliminary offline storage basis of design include the following:

- Storage and diversion sized to control the modeled CSO volume and peak flow rate for Peoria's 6-month 6-hour design storm for the outfall.
 - The modeled flow rates and volumes are from Peoria's calibrated and validated Starting Conditions H&H Model, approved by IEPA and USEPA, updated to reflect planned and constructed Peoria and GPSD CSO reduction projects.
- The footprint and shape designed to fit the selected project area.
- Pumps station capable of
 - Emptying storage in approximately 24 hours or less.
 - Filling storage at the peak flow rate for the 10-year, 24-hour SCS Type II design storm so there are no overflows at the outfall where the storage is located until the storage capacity is fully utilized.
- Design measures to account for groundwater, as needed, such as measures to counteract buoyant forces and to prevent groundwater intrusion into storage.
- Design to follow applicable standards such as the Recommended Standards for Wastewater Facilities (10 States Standards) and in accordance with 35 Ill. Adm. Code 370, as applicable.

5.4 Offline Storage Operation and Maintenance

Typical operations and maintenance for offline storage facilities includes inspection, cleaning and maintenance of screens, cleaning and maintenance of pumping equipment, and removal of solids from the facility. Specific activities and frequency will be determined after the design is complete, and the O&M Plan will be updated, if needed.

6. Green Infrastructure Basis of Design

Peoria is planning to incorporate distributed GI to help reduce CSOs. Peoria plans to install opportunistic GI as part of other projects, such as roadway reconstruction, in locations suited for GI. The GI will reduce the amount of stormwater runoff that enters the combined sewer system, thereby reducing wet weather flow and CSOs.

6.1 Green Infrastructure Project Locations

Peoria plans to install the opportunistic GI in existing city-owned roadway right-of-way in combined sewer areas for the following reasons:

- Stormwater runoff is already conveyed along city streets. Most of the Peoria is organized in a traditional grid-type layout with perpendicular streets forming city blocks. Stormwater runoff is typically conveyed overland from private properties to city streets and then in street gutters to inlets to the combined sewer system at intersections. City streets serve as secondary drainage pathways if runoff exceeds the sewer system capacity.
- Installing GI on publicly owned land will simplify legal and easement issues both for initial construction and long-term maintenance access.
- Peoria owns almost 160 miles of streets and about 50 acres of alleys in the combined sewer area, many of which have wide right-of-way providing space for various types of GI.

Attachment B provides the general locations where GI may be installed. Opportunistic GI is implemented in conjunction with another project, when cost-effective, such as a roadway improvement project. This provides the CSO benefit of GI in a more cost-effective manner than standalone GI projects.

6.2 Green Infrastructure Technologies

Peoria's 2024 GI Design Manual, submitted and approved by the IEPA and USEPA, outlines the process for site selection, design, and construction of GI for CSO control. The 2024 GI Design Manual includes information on the GI technologies Peoria may use in GI projects, such as permeable pavement, stormwater bump-outs/bump-ins, subsurface storage and infiltration, bioswales, stormwater planters, and detention basins. Other technologies outlined in the 2024 GI Design Manual may also be used.

Figure 2 through Figure 6 below are examples of the GI technologies installed in Peoria as part of the first four years of CSO control projects. Peoria's future GI projects would utilize these or other technologies from the 2024 GI Design Manual.



Figure 2 | Permeable Paver Parking Lane Example, 1011 W Johnson St, Peoria Illinois



Figure 3 | Permeable Paver Parking Lane Example, 1023 W John H Gwynn Jr Ave, Peoria Illinois



Figure 4 | Stormwater Bump-Out Example, 701 Mary St, Peoria Illinois



Figure 5 | Stormwater Bump-In (Subsurface Storage and Infiltration) Example, 916 W Adrian G Hinton Ave Peoria Illinois



Figure 6 | Stormwater Bump-In (Subsurface Storage and Infiltration) Example, 1201 W Butler St, Peoria Illinois

6.3 Green Infrastructure Design Assumptions

The assumptions used for Peoria's preliminary GI basis of design include the following:

- GI installation will be limited to areas with high infiltrating soils to maximize cost effectiveness.
- GI will be designed to have a drain down time of 72-hours or less.
- The GI aggregate storage layer is assumed to have a 40% porosity.
- The native soil infiltration rate for GI is based on the results from preconstruction infiltration testing.
- GI is assumed to typically have a 4-foot deep stone storage layer.
- The use of bioswales will likely require more surface area than permeable pavement or subsurface storage and infiltration due the surface infiltration rate of bioswales.

6.4 Green Infrastructure Operation and Maintenance for the Selected Projects

Peoria has developed a CSO Remedial Measures Operation & Maintenance and GI Performance Testing Plan (O&M Plan) which defines the requirements for operating, inspecting, maintaining, and evaluating Peoria's GI projects for long-term performance. The O&M Plan provides a narrative on the GI types and includes definitions, general purpose, appropriate functioning, general operation and maintenance, and performance testing of the GI.

Routine inspection of the GI facilities constructed as part of this project plan will follow the requirements of the CD. This includes routine inspections and maintenance completed at least four times per year from March through November, with one inspection occurring in November, and within 48 hours after each major rain event (more than 1-inch of rainfall), excluding weekends and holidays.

Additional inspection and maintenance activities may be completed proactively, or as needed. The additional and inspection and maintenance activities will be evaluated and adjusted as appropriate. Maintenance activities will remain in effect for the life of the GI facility to maintain performance of the projects.

7. Environmental Impacts of the Proposed Project

The projects in this project plan are needed to reduce the frequency and volume of combined sewer overflow discharges to the Illinois River. The IEPA Loan Application Environmental Checklist and Certification Form (Environmental Checklist) has been completed and signed by Peoria to document the environmental impact review process and is included as Attachment F. Information relating to the Environmental Checklist items is provided below and associated documentation is included in Attachment G through K.

7.1 Historical and Tribal Consultation

The Environmental Checklist requires consultation with the IDNR State Historic Preservation Office (SHPO) to determine whether the proposed project requires any special mitigative measures be taken to comply with the Illinois State Agency Historic Resources Protection Act, Section 106. On October 22, 2025, Mead & Hunt, on behalf of Peoria, requested a sign off from SHPO on the proposed project. The SHPO review, completed November 14, 2025, stated no historic properties will be affected. The SHPO consultation response is included in Attachment G1. In addition, consultation with Tribal Historic Preservation Office is required because land will be disturbed. On November 21, 2025, Mead & Hunt requested sign off from the Tribal Historic Preservation Office (THPO) and sign off is currently pending. Correspondences can be found in Attachment G2.

7.2 Ecological Compliance Assessment

Mead & Hunt consulted with the IDNR Impact Assessment Section regarding compliance of the proposed projects with the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetlands Protection Act. The Ecological Compliance Assessment Tool (EcoCAT) printouts of the project evaluation and IDNR responses are included in Attachment H. The evaluation concluded that adverse effects are unlikely and the IDNR terminated the consultation.

7.3 Wetlands and Flood Plains Evaluation

Maps of the project areas in relation to wetlands and floodways are included in Attachment I. The Cedar Street storage project area boundary is within 250 ft of a wetland, but the planned excavation areas are more than 350 ft away from the wetland based on preliminary concepts. There are no wetlands near the Eaton/Fayette Street storage project area. Roadways and alleys in the GI project planning area within 250 ft of a wetland have no planned excavation or construction.

Mead & Hunt requested a consultation with the United States Army Corps of Engineering (USACE) to determine if a pre-construction notice (PCN) and permit are required based on the Cedar Street storage project area boundary being within 250 ft of a wetland. The USACE review, completed November 6, 2025, found that no permit is required based on the project planning information. The USACE correspondences are included in Attachment J.

A small portion of the Eaton/Fayette storage project area appears to be within the approximate extent of the 1980 100-year floodplain. The 2024 preliminary FEMA flood zones are also shown on the map.

Consultation with the IDNR OWR was completed by Mead & Hunt on October 21, 2025. The IDNR OWR response indicated that construction drawings are required before submitting the joint application form and the email was proof of consultation. The IDNR OWR correspondences are included in Attachment K.

7.4 Other

The following items are not applicable or are potential temporary impacts from construction within the project areas.

- No prime agricultural land will be converted for the projects. The project areas are within an urban area on previously disturbed sites.
- The projects do not include 30% or more reserve capacity for future growth. See the basis of design Sections 5 and 5 for how the projects are sized.
- The project areas are in Peoria county and not located in a county under the jurisdiction of a Designated Water Quality Management Agency (DWQMA) so no consultation is needed.
- There are no expected impacts to recreational areas with the projects.
- There are no river or stream crossings associated with the projects.
- A limited amount of mechanical construction equipment will be required for completion of the projects, but it is not anticipated that operation of this equipment will have an adverse impact on air quality.
- Temporary impacts will be minimized with proper construction methods and storm water pollution prevention controls for land disturbing activities.

8. Financial Information

8.1 Description of Current Wastewater User Charge and Billing System

The fees for wastewater service in Peoria are currently billed and collected by GPSD. Quarterly bills are based on the amount of water consumed. Water consumption records are provided by Illinois American Water Company who owns and operates the water system. The existing rate structure for Peoria residents includes a sewer lateral rate (Peoria or GPSD), rehabilitation fee (Peoria), wastewater treatment charge (GPSD), and a capital improvement surcharge (GPSD).

Peoria's lateral rate was established to fund operation and maintenance costs for Peoria's wastewater collection system. In general, Peoria residents south of War Memorial Drive are connected to Peoria sewers and pay this lateral rate. If residents are connected to a Peoria sewer, the customer does not pay the GPSD lateral rate. The current Peoria lateral rate is set by resolution 24-080 which went into effect on May 1, 2024.

GPSD's lateral rate was established to fund the operation and maintenance costs for the GPSD collection system. In general, Peoria residents north of War Memorial Drive are connected to GPSD sewers and pay this lateral rate. If a Peoria resident is connected to a GPSD sewer, the customer does not pay the Peoria lateral rate. The current GPSD lateral rate was set by GPSD ordinance 661 which went into effect on May 1, 2025.

Peoria's rehabilitation fee was established to fund certain capital sewer improvements and associated debt service. The rate is paid by customers connected to sewers in Peoria, regardless of whether they are on a Peoria or GPSD lateral. The current Peoria rehabilitation rates for May 1, 2023, through May 1, 2026, are defined in resolution 21-039-B.

Peoria's CSO remediation district fee was established to fund mandated improvements to meet Peoria's CD requirements. The current Peoria CSO remediation rates for May 1, 2023, through May 1, 2026, are defined in resolution 21-039-B.

GPSD's wastewater treatment rate was established to fund the costs of treating sewage at the WWTP. This rate is paid by all Peoria customers connected to sewers that discharge to the GPSD wastewater treatment plant. The current wastewater treatment rates were set by GPSD ordinance 661 which went into effect on May 1, 2025.

GPSD's capital improvement surcharge was established to fund the replacement of GPSD collection and treatment system assets. This rate is paid by all Peoria customers connected to sewers that discharge to the GPSD wastewater treatment plant. The current capital improvement surcharge is set by GPSD ordinance 661 which went into effect on May 1, 2025.

As of October 31, 2025, Peoria has approximately 46,569 rehabilitation and CSO remediation paying accounts and, of those, approximately 16,325 accounts also pay Peoria’s lateral charge. The estimated 2025 Peoria revenue associated with Peoria’s collection system is \$16M, with expenditures of \$34.0M resulting in a deficit of approximately \$18M.

8.2 Current Rate Structure

The current sewer rate structure for Peoria residents as of May 1, 2025 is summarized in Table 9 and Table 10 below. Residential customers receive a 7% discount on the Peoria lateral, rehabilitation, and CSO remediation fee portions of the sewer bill to account for water used in watering lawns or otherwise not discharged to the sewer system, unless actual amounts are known via a credit meter.

Table 9 | Current Sewer Rates for Peoria Residents Connected to a Peoria Sewer

Billing Item	Rate ¹	Charge per Quarter ²	Source
Peoria Lateral Fee	\$1.3328/CCF	\$22.99	City of Peoria Resolution 24-080
Peoria Rehabilitation Fee	\$1.136/CCF	\$19.60	City of Peoria Resolution 21-039-B
Peoria CSO Remediation Fee	\$0.23/CCF	\$3.97	City of Peoria Resolution 21-039-B
GPSD Residential Disposal Only Fee	\$1.2192/CCF	\$21.03	GPSD Ordinance 661
GPSD Capital Improvement and Replacement Surcharge	66% surcharge on GPSD fees	\$13.88	GPSD Ordinance 661
Total Average Quarterly Bill with Peoria Sewer Connection		\$81.47	

¹ CCF = 100 cubic feet of water usage
² Based on average consumption of 17.25 CCF per quarter (approximately 4,300 gallons per month). Does not include the 7% discount.

Table 10 | Current Sewer Rates for Peoria Residents Connected to a GPSD Sewer

Billing Item	Rate ¹	Charge per Quarter ²	Source
Peoria Rehabilitation Fee	\$1.136/CCF	\$19.60	City of Peoria Resolution 21-039-B
Peoria CSO Remediation Fee	\$0.23/CCF	\$3.97	City of Peoria Resolution 21-039-B
GPSD Residential Lateral & Disposal Fee	\$2.7761/CCF	\$47.89	GPSD Ordinance 661
GPSD Capital Improvement and Replacement Surcharge	66% surcharge on GPSD fees	\$31.61	GPSD Ordinance 661
Total Average Quarterly Bill with GPSD Sewer Connection		\$103.06	

¹ CCF = 100 cubic feet of water usage

² Based on average consumption of 17.25 CCF per quarter (approximately 4,300 gallons per month). Does not include the 7% discount.

Based on a consumption of 17.25 CCF per quarter (approximately 4,300 gallons per month), the average sewer bill for a typical Peoria residential customer connected to a Peoria sewer is \$81.47 per quarter or \$27.16 per month (before the 7% discount, if applicable). Table 9, above, summarizes this billing calculation and does not include the 7% discount.

Based on a consumption of 17.25 CCF per quarter (approximately 4,300 gallons per month), the average sewer bill for a typical Peoria resident customer connected to a GPSD sewer is \$103.06 per quarter or \$34.35 per month, (before the 7% discount, if applicable). Table 10, above, summarizes this billing calculation and does not include the 7% discount.

8.3 Description of Water Billing System

Peoria residents receive potable water from Illinois American Water. Potable water rates are set in accordance with Illinois Commerce Commission (ICC) regulations. The current water rate structure has been effective since January 1, 2025 and is summarized in Table 11.

Table 11 | Current Illinois American Water Schedule of Rates for Central Illinois

Billing Item	Rate
Facilities Charge ¹	\$25.29/month (5/8-inch meter) \$29.68/month (3/4-inch meter) \$41.32/month (1-inch meter)
Residential Monthly Usage	\$1.20026/100 gallons
Municipal Tax Addition	5.15%
Public Fire Protection Service	0.1% of all facilities charges
ICC Assessment	\$0.09/invoice

Billing Item	Rate
Quality Infrastructure Program (QIP)	1.54%
Invested Capital Tax (ICT)	1.0049%
Volume Balancing Adjustment (VBA)	\$0.0089/100 gallons
Tax Reform Credit (VIT)	0.4755%

¹ See Illinois American Water Schedule of Rates - Central Water for larger meter facilities charges.

Based on a consumption of 4,300 gallons per month and a 3/4-inch meter, the average estimated monthly water bill from Illinois American Water for a Peoria resident is \$88.48.

8.4 Project Area Customer Base

Table 12 provides breakdown of customer types for Peoria as of October 2025.

Table 12 | Breakdown of City of Peoria Customer Connection Types

Connection Type	Number of Connections
Residential	32,469
Commercial	6,436
Industrial	394
Other	5
TOTAL	39,304

8.5 Estimated Annual Loan Repayment

Peoria anticipates applying for two loans as part of this project plan, one for the storage project and one for the opportunistic GI project. Table 13 provides a summary of the estimated loan amount (from Table 5), assumed terms, and annual loan repayment for each project. The total estimated annual loan repayment for the two projects is \$3,825,600. Construction of these projects is planned to be completed by the end of 2028, with loan payments beginning in 2029.

Table 13 | Peoria SRF Loan Repayment Summary for Projects in this Project Plan

	Offline Storage	Opportunistic GI
Estimated Loan Amount	\$80,400,000	\$5,950,000
Assumed Interest Rate	2%	2%
Assumed Repayment Period (years)	30	20
Estimated Annual Payment	\$3,560,891	\$264,709

8.6 Proposed Rate Changes

Peoria’s plan for loan repayment is to increase the CSO remediation fee. The CSO remediation fee began in 2023 at \$0.08/CCF, per Peoria Resolution 21-039-B, and is currently \$0.23/CCF as of May 1, 2025. The planned CSO remediation fee increases over the next four years are summarized in Table 14 below. Peoria uses CSO remediation fee to fund CSO reduction projects, including repayment of Peoria’s loans for the Year 1 through Year 4 GI projects from its 2020 project plan (loan numbers L175910 through L175913), and future repayments for projects included in this 2025 project plan, as summarized in Table 14.

Table 14 | Estimated CSO Remediation Revenue to Fund Existing and Future Loan Repayment

Year	2025	2026	2027	2028	2029
CSO Remediation Fee per CCF ¹	\$0.23	\$0.30	\$0.47	\$0.85	\$1.17
Total CCF Charged the CSO Remediation Fee	4,840,959	4,816,754	4,792,670	4,768,707	4,744,863
Total CSO Remediation Revenue	\$1,113,421	\$1,445,026	\$2,260,577	\$4,067,342	\$5,533,762
Loan Repayment for Year 1 through Year 4 GI Projects	\$834,733	\$1,352,590	\$2,064,821	\$2,064,821	\$2,064,821
Loan Repayment for Future Storage Project	N/A	N/A	N/A	N/A	\$3,560,891
Loan Repayment for Future Opportunistic GI Project	N/A	N/A	N/A	N/A	\$264,709
Total Loan Repayment	\$834,733	\$1,352,590	\$2,064,821	\$2,064,821	\$5,890,421
Total Annual Fund Increase or Decrease	\$278,688	\$92,436	\$195,756	\$2,002,521	\$-356,659

¹ The CSO Remediation Fee per CCF shown in the table is rounded to the nearest cent. As a result, the Total CSO Remediation Revenue may differ from the calculated value due to rounding.

ATTACHMENT A

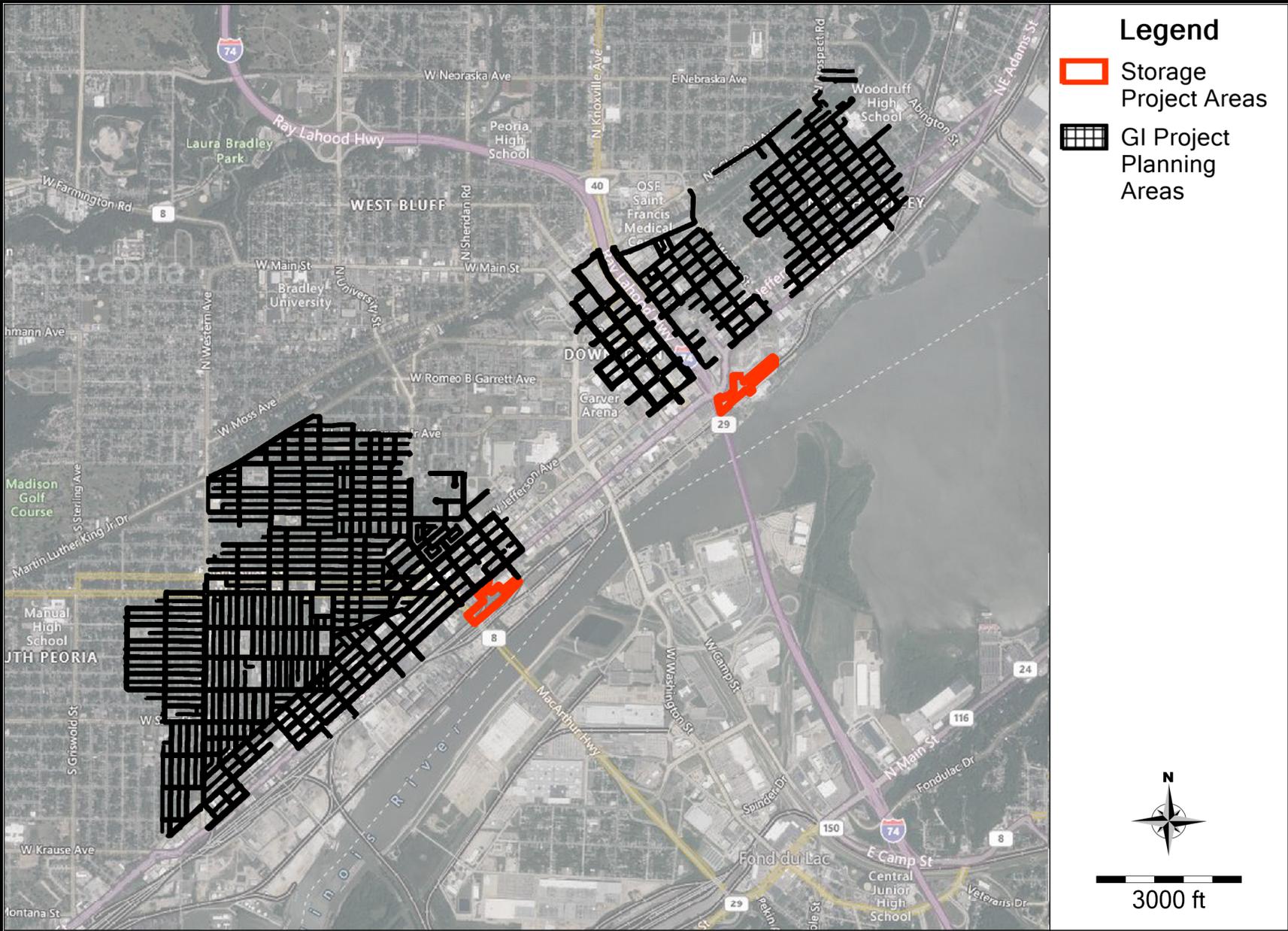
Project Locations

8.5x11 Map



City of Peoria
Combined Sewer Overflow Consent Decree Milestone #2 Project

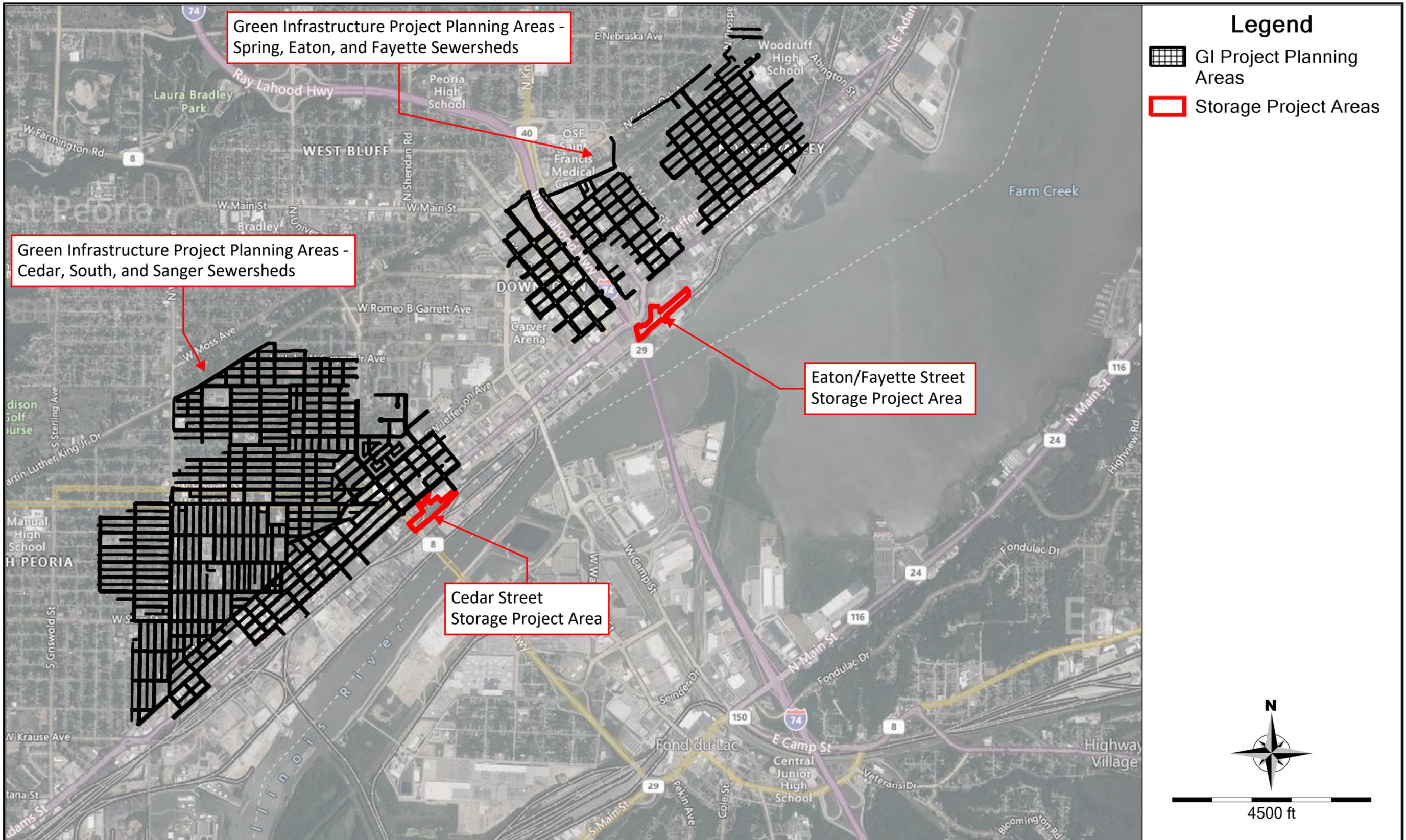
Attachment A
Project Locations 8.5 x 11 Map



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ATTACHMENT B
Project Areas





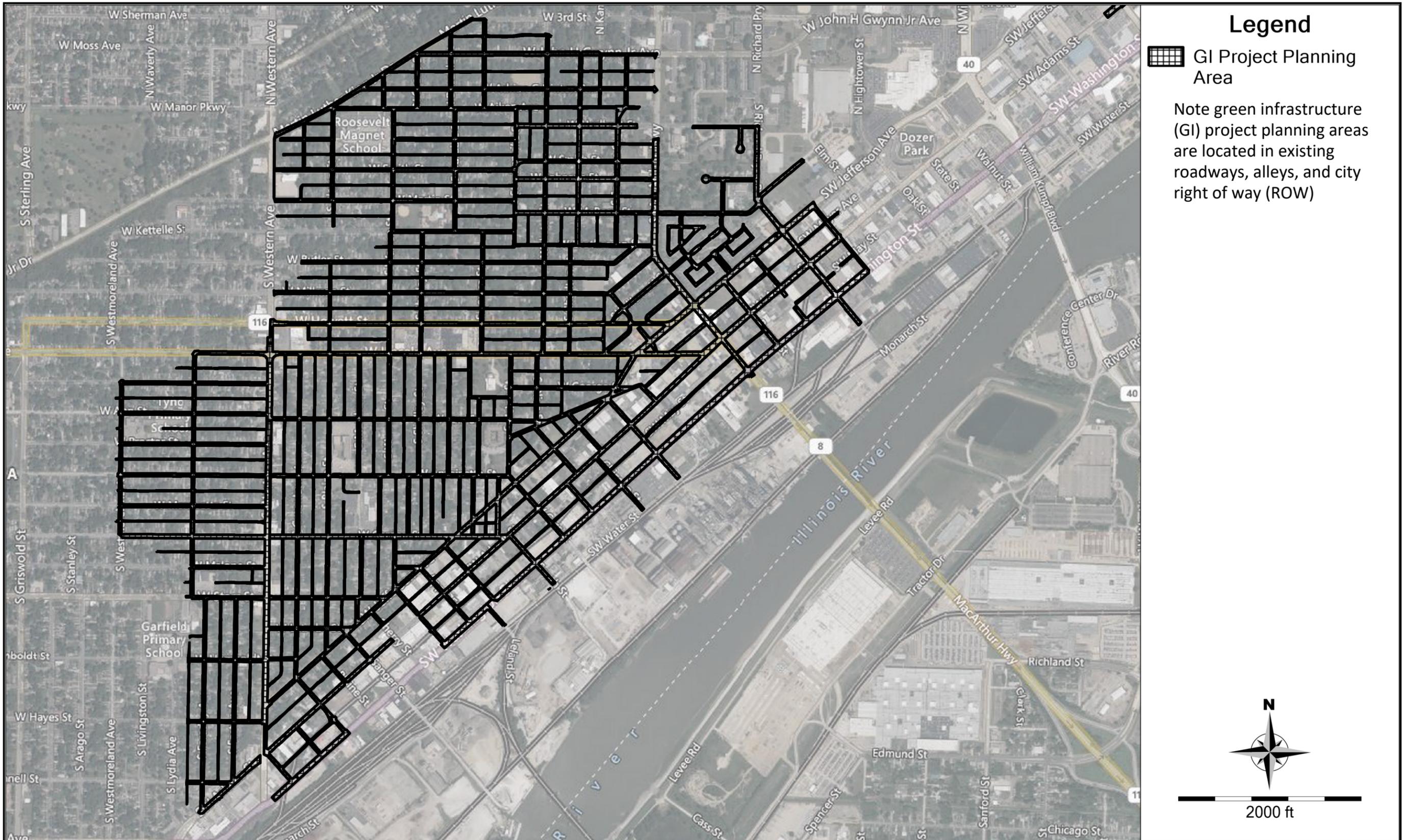
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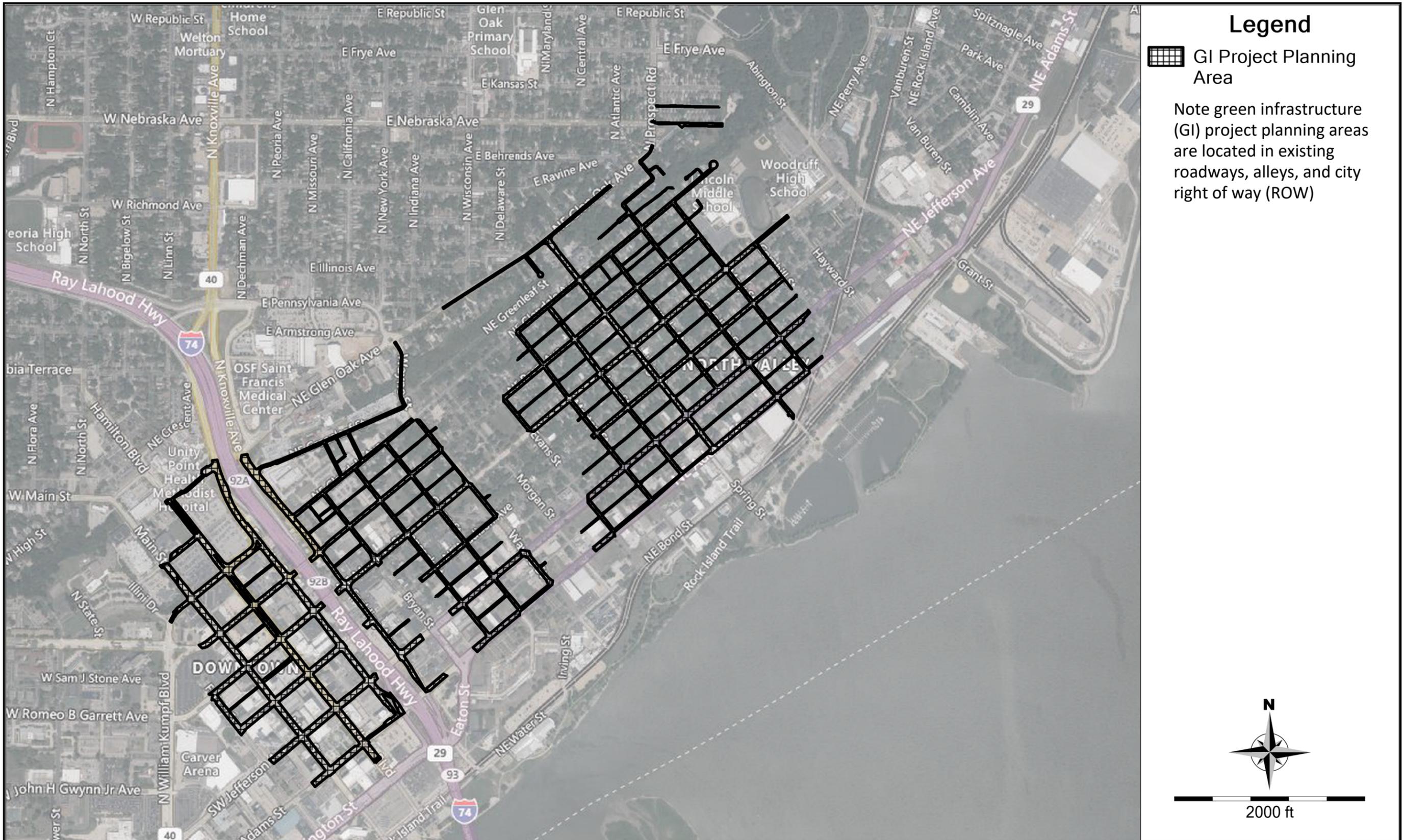
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ATTACHMENT C

Sewersheds and Stormwater Drainage Areas



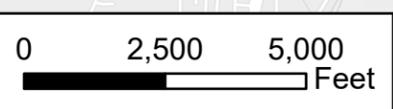
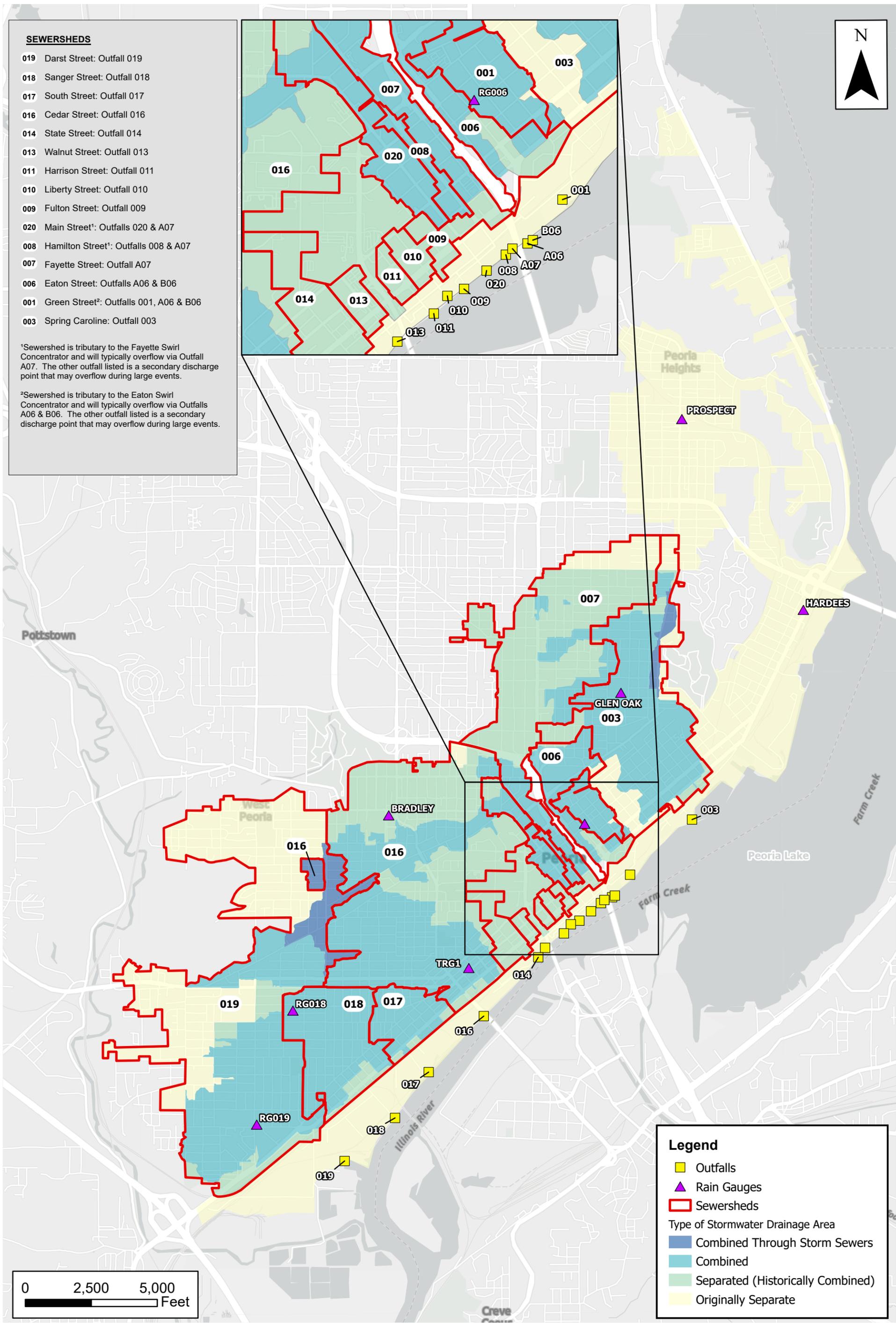
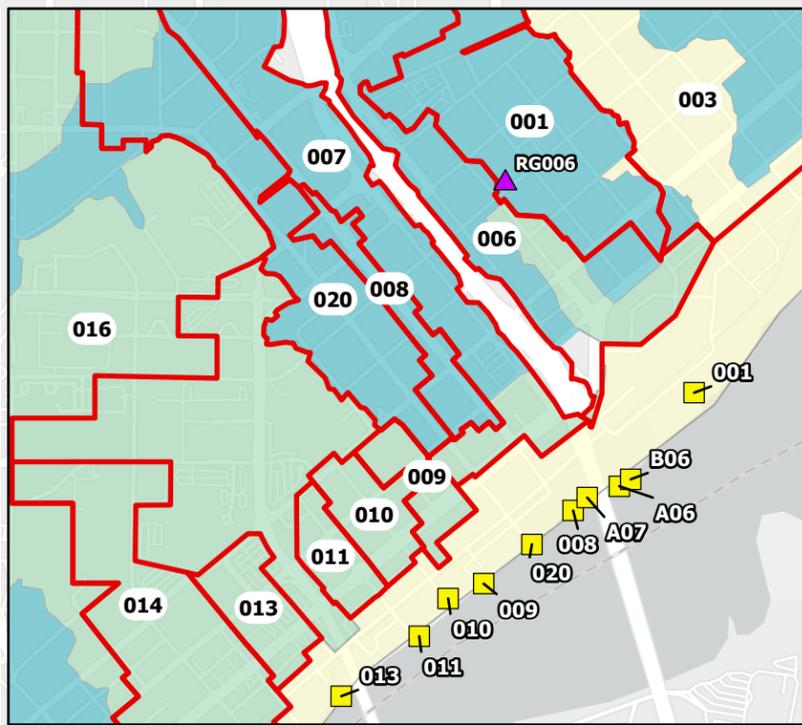


SEWERSHEDS

- 019 Darst Street: Outfall 019
- 018 Sanger Street: Outfall 018
- 017 South Street: Outfall 017
- 016 Cedar Street: Outfall 016
- 014 State Street: Outfall 014
- 013 Walnut Street: Outfall 013
- 011 Harrison Street: Outfall 011
- 010 Liberty Street: Outfall 010
- 009 Fulton Street: Outfall 009
- 020 Main Street¹: Outfalls 020 & A07
- 008 Hamilton Street¹: Outfalls 008 & A07
- 007 Fayette Street: Outfall A07
- 006 Eaton Street: Outfalls A06 & B06
- 001 Green Street²: Outfalls 001, A06 & B06
- 003 Spring Caroline: Outfall 003

¹Sewershed is tributary to the Fayette Swirl Concentrator and will typically overflow via Outfall A07. The other outfall listed is a secondary discharge point that may overflow during large events.

²Sewershed is tributary to the Eaton Swirl Concentrator and will typically overflow via Outfalls A06 & B06. The other outfall listed is a secondary discharge point that may overflow during large events.



Legend

- Outfalls
- ▲ Rain Gauges
- Sewersheds

Type of Stormwater Drainage Area

- Combined Through Storm Sewers
- Combined
- Separated (Historically Combined)
- Originally Separate

Mead & Hunt
 6737 West Washington Street
 Suite 3440
 West Allis, Wisconsin 53214
 414.291.8840
 FAX 414.291.8841

DSGN: MNV	CHK: KKD
DR: AS	APVD: KKD
PATH: L:\Projects\Peoria, City Of\PeoriaGPSProjectAS.aprx	

City of Peoria
 Post Construction
 Compliance Monitoring Plan

Attachment C
 Sewersheds and Stormwater Drainage
 Areas

SCALE	1 inch = 3,250 feet
DWG	1
DATE	10/31/2024
PROJ NO.	21PS35839

ATTACHMENT D
HUC Areas



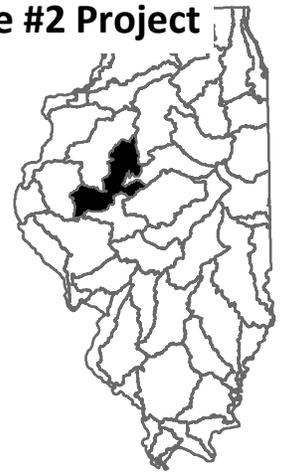
ATTACHMENT E

303(d) Listed Waters Maps



City of Peoria Combined Sewer Overflow Consent Decree Milestone #2 Project

Attachment E - E1 303(d) Lower Illinois-Lake Chautauqua Watershed (HUC 07130003)

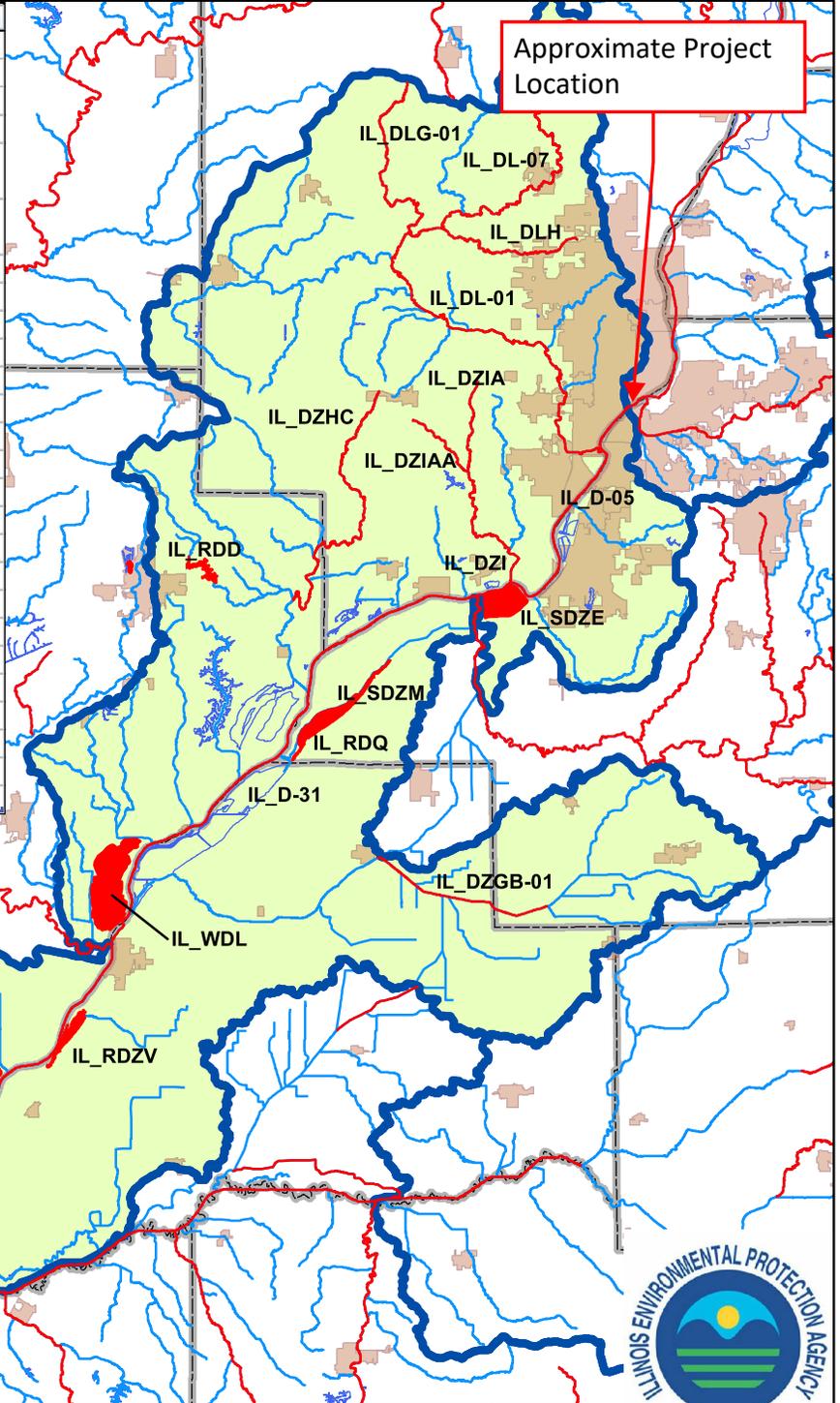


Legend

- Impaired 303d Streams
- Impaired 303d Lakes
- Streams
- Lakes
- Lower Illinois-Lake Chautauqua
- HUC 8 Watersheds
- Municipalities
- Counties

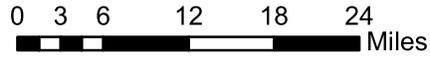
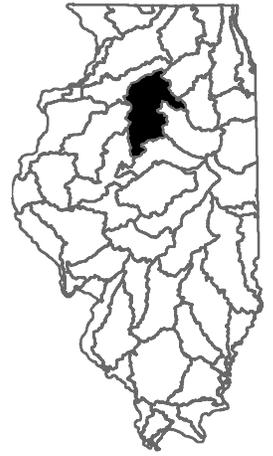


AUID	Water Body	SIZE	UNIT
IL_SDZM	SPRING NORTH	578	Acres
IL_DZI	Lamarsh Creek	2.15	Miles
IL_DL-07	Kickapoo Creek	25.52	Miles
IL_DG-01	La Moine River	22.69	Miles
IL_DZHC	East Branch Copperas Creek	20.14	Miles
IL_DZIA	West Branch Lamarsh Creek	12.76	Miles
IL_DZIAA	Largent Creek	4.32	Miles
IL_DJ-01	Spoon River	28.19	Miles
IL_SDZE	POWERTON	1426	Acres
IL_DH-01	Sugar Creek	42.55	Miles
IL_D-05	Illinois River	12.22	Miles
IL_DLG-01	Jubilee Creek	12.42	Miles
IL_SDZC	SCHUY-RUSH	265	Acres
IL_RDZV	MATANZAS	360.9	Acres
IL_RDQ	SPRING SOUTH	610	Acres
IL_DLH	Fargo Run	9.35	Miles
IL_RDA	ANDERSON & CARLTON	1360	Acres
IL_D-32	Illinois River	34.05	Miles
IL_D-31	Illinois River	66.51	Miles
IL_RDD	CANTON	250	Acres
IL_D-30	Illinois River	21.83	Miles
IL_DZGB-01	Main Ditch	9.26	Miles
IL_DL-01	Kickapoo Creek	20.83	Miles
IL_DK-12	Mackinaw River	29.53	Miles
IL_WDL	THOMPSON	3783	Acres
IL_RDM	VERMONT CITY	38.5	Acres

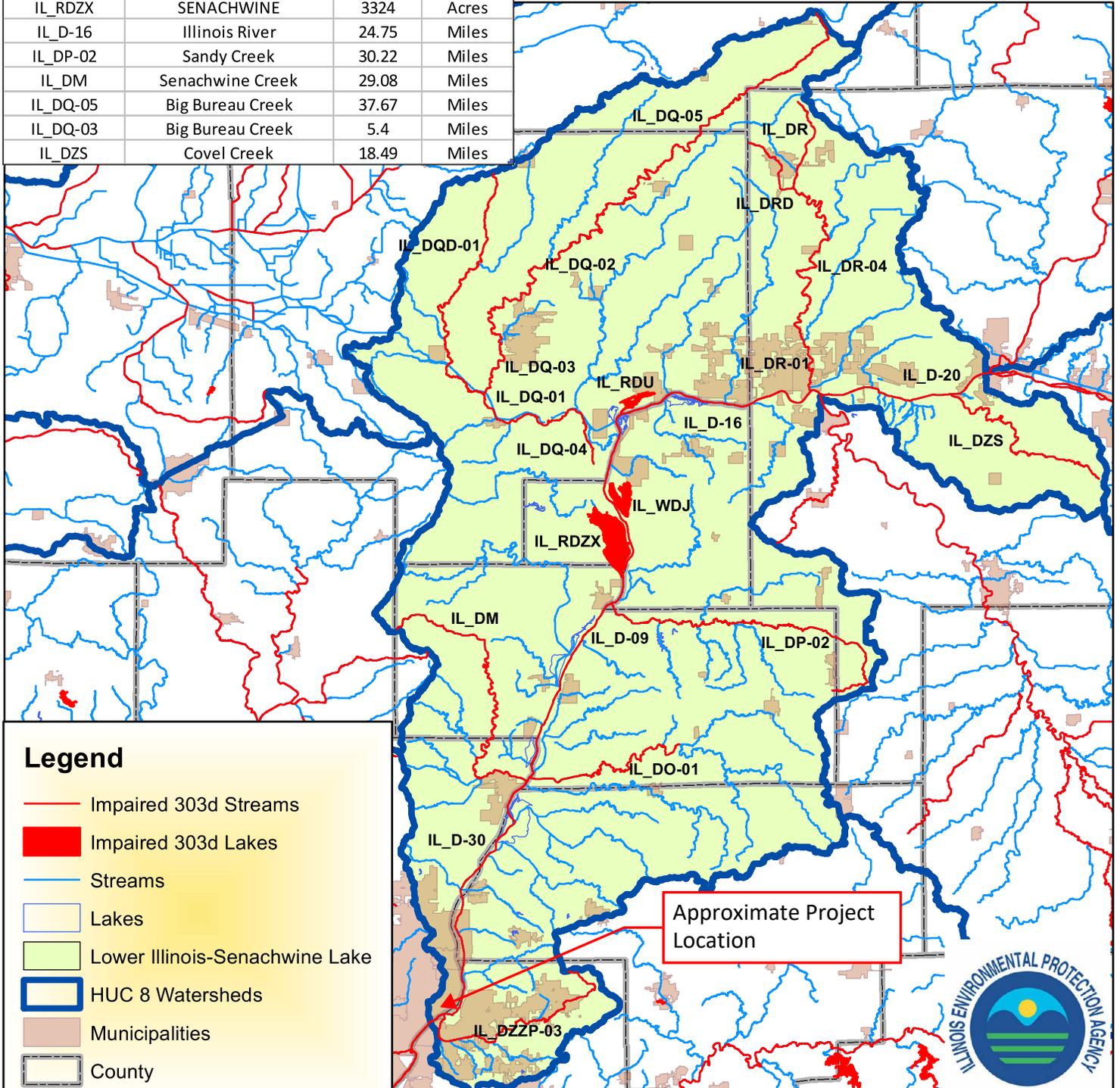


City of Peoria Combined Sewer Overflow Consent Decree Milestone #2 Project

Attachment E - E2 303(d) Lower Illinois-Senachwine Lake Watershed (HUC 07130001)



AUID	Water Body	SIZE	UNIT
IL_WDJ	Hennepin-Hopper	1245.3393	Acres
IL_DQD-01	West Bureau Creek	23.67	Miles
IL_DQ-02	Big Bureau Creek	16.4	Miles
IL_DRD	Mendota Creek	6.06	Miles
IL_DR-04	Little Vermilion River	26.65	Miles
IL_DR-01	Little Vermilion River	3.79	Miles
IL_DR	Little Vermilion River	4.26	Miles
IL_RDU	DEPUE	524	Acres
IL_D-09	Illinois River	19.1	Miles
IL_DQ-01	Big Bureau Creek	9.61	Miles
IL_DS-07	Vermilion River	26.38	Miles
IL_DO-01	Crow Creek-East	17.98	Miles
IL_DZZP-03	Farm Creek	20.18	Miles
IL_DQ-04	Big Bureau Creek	4.68	Miles
IL_RDZX	SENACHWINE	3324	Acres
IL_D-16	Illinois River	24.75	Miles
IL_DP-02	Sandy Creek	30.22	Miles
IL_DM	Senachwine Creek	29.08	Miles
IL_DQ-05	Big Bureau Creek	37.67	Miles
IL_DQ-03	Big Bureau Creek	5.4	Miles
IL_DZS	Covel Creek	18.49	Miles



Legend

- Impaired 303d Streams
- Impaired 303d Lakes
- Streams
- Lakes
- Lower Illinois-Senachwine Lake
- HUC 8 Watersheds
- Municipalities
- County



ATTACHMENT F

Environmental Checklist



Attachment F Environmental Checklist

Illinois Environmental Protection Agency Loan Applicant Environmental Checklist and Certification Form

Loan Applicant: City of Peoria, Illinois L17#: _____

This form must be signed by the loan applicant's Authorized Representative. All loan applicants must provide items 1 and 2 below. The information that must be provided for items 3-8 are specific to conditions of the project. See the attached instructions that explain the requirements and provide contact information. If you believe an item is not required for your project, enter N/A and provide an explanation. For checklist items marked as N/A, also indicate the page number of the planning report where the explanation is located.

Provide records of consultation with Illinois Department of Natural Resources (IDNR), State Historic Preservation Office (SHPO) for the National Historic Preservation Act (NHPA), Section 106. Projects may also need to consult with Tribal Historic Preservation Offices. Please refer to the next page for more information, and page 8 for an example letter.

1) Date of IDNR, SHPO response: 11/14/2025

Provide records of consultation with IDNR's Impact Assessment Section for evaluation pursuant to the Illinois Endangered Species Protection Act [520 ILCS 10/11], the Illinois Natural Areas Preservation Act [525 ILCS 30/17], Title 17 Illinois Administrative Code, Part 1075, and Interagency Wetlands Policy Act of 1989 (Illinois Administrative Code, Part 1090).

2) Date of EcoCAT printout: 10/15/2025

Date of IDNR follow-up letter (when protected resources are identified): N/A

For projects located within any wetland, river, stream, flood plain, floodway, waterway, any body of water, or construction located within 250 feet of a wetland; provide records of consultation from:

3) U.S. Army Corps of Engineers (USACE). Date of USACE response: 11/6/2025

For projects located within a flood plain or floodway, or along a jurisdictional river, lake, or stream without a mapped floodway or flood plain, provide records of consultation from:

4) IDNR Office of Water Resources (OWR). Date of IDNR OWR response: 10/21/2025

If the project involves conversion of prime agricultural land to other uses, provide records of consultation from:

5) Illinois Department of Agriculture (IDOA). Date of IDOA response: N/A

If the project includes 30% or more reserve capacity for future growth in the existing or proposed service areas, provide records of consultation from all applicable environmental regulatory entities listed on this form for the known growth/development areas associated with the identified secondary/indirect environmental impacts.

6) Secondary impacts list of applicable regulatory entities and date of their responses: N/A

If any project with secondary impacts is in a county under the jurisdiction of a Designated Water Quality Management Agency (DWQMA), which are the Greater Egypt Regional Planning & Development Commission (GERPDC), the Southwestern Illinois Metropolitan and Regional Planning Commission (SIMAPC), and the Chicago Metropolitan Agency for Planning (CMAP), provide records of consultation from:

7) Date of DWQMA response: N/A

Attachment F Environmental Checklist

For certain projects, if construction has the potential for adverse effects on properties that have religious, historical, or cultural significance, Section 106 of the NHPA requires consultation with federally recognized Indian tribes, including those previously residing in Illinois, to determine whether such properties are present. Check all boxes below that apply to this project. If any boxes except the first are checked, consultation must be initiated with a representative of each interested tribe, and IDNR SHPO's determination must be submitted to the tribe, along with project information. Please refer to page 7 for specific instructions on consultation.

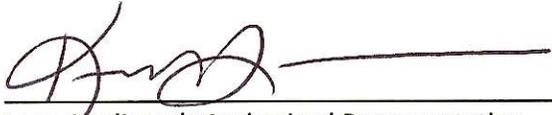
- None of the below apply or not applying for loan funding – Tribal Consultation is Not Applicable, or:
- Significant ground disturbance**
Does NOT apply to sewer lining; in-place sewer or water main replacements without an increase to the size of a previously-disturbed trench; re-building any previously existing well or building within the same footprint.
Examples of significant ground disturbance include new sewers, new foundations or footings, grading, and new access roads.
- New construction in undeveloped natural areas**
E.g.: treatment plants, pipelines, or other new facilities in undeveloped natural areas such as forests, etc.
- Visual changes and/or audible changes**
E.g.: construction of a focal point that is out of character with the surrounding natural area, impairment of the view from an observation point in the natural landscape or of the historic scenic qualities of an area, or an increase in noise levels above an acceptable standard in areas known and appreciated for their quietness.
- Atmospheric changes**
Example: introduction of lights that create skyglow in an area with a dark night sky.
- Work on a building with significant tribal association**
Examples: rehabilitation, demolition, or removal of a surviving ancient tribal structure(s), or a structure that is believed to be the location of a significant tribal event or that served as a tribal school or community hall.
- Transfer, lease, or sale of a historic property of religious and cultural significance**
Examples: Involves properties that contain archaeological sites, burial grounds, sacred landscapes or features, ceremonial areas, or structures with significant tribal association.

8) Date IDNR SHPO consultation letter and project information submitted to tribes: 11/21/2025

List tribes contacted below or attach a list. Indicate contact date and if a response was received. One copy of the consultation letter sent, and copies of all responses received, must be submitted to Illinois Environmental Protection Agency (Illinois EPA).

The Osage Nation was contacted on 11/21/2025. Copies of the consultation letters sent are included in Attachment G2 of the Project Plan. Peoria has not yet received a response.

Certification: By signing this form, the Loan Applicant certifies that the applicable environmental evaluations were conducted for the proposed project locations, and if the review results for any of these environmental evaluations include recommendations, conditions, certifications, and/or permits, the Loan Applicant agrees to comply.

Signed: 
Loan Applicant's Authorized Representative

Date: 11/24/2025

ATTACHMENT G

SHPO and THPO Correspondences





Illinois
Department of
**Natural
Resources**

JB Pritzker, Governor • Natalie Phelps Finnie, Director
One Natural Resources Way • Springfield, Illinois 62702-1271

www.dnr.illinois.gov

Peoria County
Peoria
Cedar Street Storage - Area Bounded by Cedar St.,
Washington St., Persimmon St. and West of Monarch St.;
Easton Street Storage - Area Bounded by Commercial Alley, Irving St.,
Water St. and I-74
GI Planning Areas - City Wide
IEPA LOAN, M&H-R4666679-232535
New Construction of a CSO Storage Facility and Green Infrastructure

PLEASE REFER TO: SHPO LOG #032102325

November 14, 2025

Eric Carlson
Mead & Hunt
5901 N. Prospect Rd., Suite 201A
Peoria, IL 61614

We have reviewed the documentation submitted for the referenced project in accordance with 36 CFR Part 800.4. Based upon the information provided, no historic properties will be affected. We, therefore, have no objection to the undertaking proceeding as planned.

Please retain this letter in your files as evidence of compliance with Section 106 of the National Historic Preservation Act of 1966, as amended. This approval remains in effect for two (2) years from date of issuance. It does not pertain to any discovery during construction, nor is it a clearance for purposes of the Illinois Human Remains Protection Act (20 ILCS 3440).

If you are an applicant, please submit a copy of this letter to the state or federal agency from which you obtain any permit, license, grant, or other assistance. If further assistance is needed contact Jeff Kruchten, Principal Archaeologist, at 217/785-1279 or jeff.kruchten@illinois.gov.

Sincerely,

Carey L. Mayer, AIA
Deputy State Historic Preservation Officer



November 21, 2025

Dr. Andrea Hunter, THPO
Osage Nation
Historic Preservation Office
100 W. Main
Pawhuska, OK 74056

RE: **Section 106 Review - City of Peoria/Peoria County, IL**

Dear Dr. Hunter:

The City of Peoria, IL is applying for funding from the Illinois Environmental Protection Agency (Illinois EPA) for installation of a new 6.4 million gallon combined sewer flow storage tank (IEPA SRF Project L17- to be determined). Illinois EPA provides low interest loans through the State Revolving Fund (SRF), which receives annual federal capitalization funding from USEPA. Prior to receiving planning approval, Illinois EPA requires review of all projects to assure compliance with federal cross-cutting authorities, including Section 106 of the National Historic Preservation Act (NHPA).

In cooperation with Illinois EPA, the City of Peoria, IL conducted a review of this proposed project's location to comply with Section 106 of the National Historic Preservation Act according to procedures outlined in 36 CFR Part 800. Please see the attached results from the IL State Historic Preservation Office (SHPO). The IL SHPO consultation determination evaluated four separate projects including this one. Separate correspondence will be provided for each of the other three projects. Due to tribal interests in Peoria County, IL, we invite you to be a consulting party in this review to help identify properties in the project area that may have historical, religious, or cultural significance to your tribe. If such properties are identified and the project has the potential to impact historical or cultural resources, we request guidance regarding how to avoid, minimize, or mitigate any adverse effects.

Project location information is listed below.

USPLSS Location Information

Quadrangle: Peoria East
Section: 9; Quarter Section: SW 1/4
Section: 16; Quarter Section: NW 1/4
Township: 8N
Range: 8E
Meridian: 4th principal

Dr. Andrea Hunter, THPO

November 21, 2025

Page 2

UTM (WGS84) Coordinates

40.681124°N, 89.602018°W

Information regarding the project is attached. If you would like to be a consulting party on this project, please respond to this letter within 30 days. If you have information regarding potential adverse impacts of construction activities, please submit a description of your concerns along with a request for mitigative measures. We value your input. If you have further questions regarding this project, please contact Mr. Eric Carlson at eric.carlson@meadhunt.com.

Sincerely,

MEAD & HUNT, Inc.



Eric J. Carlson, P.E.
Senior Engineer



Illinois
Department of
**Natural
Resources**

JB Pritzker, Governor • Natalie Phelps Finnie, Director
One Natural Resources Way • Springfield, Illinois 62702-1271

www.dnr.illinois.gov

Peoria County
Peoria
Cedar Street Storage - Area Bounded by Cedar St.,
Washington St., Persimmon St. and West of Monarch St.;
Easton Street Storage - Area Bounded by Commercial Alley, Irving St.,
Water St. and I-74
GI Planning Areas - City Wide
IEPA LOAN, M&H-R4666679-232535
New Construction of a CSO Storage Facility and Green Infrastructure

PLEASE REFER TO: SHPO LOG #032102325

November 14, 2025

Eric Carlson
Mead & Hunt
5901 N. Prospect Rd., Suite 201A
Peoria, IL 61614

We have reviewed the documentation submitted for the referenced project in accordance with 36 CFR Part 800.4. Based upon the information provided, no historic properties will be affected. We, therefore, have no objection to the undertaking proceeding as planned.

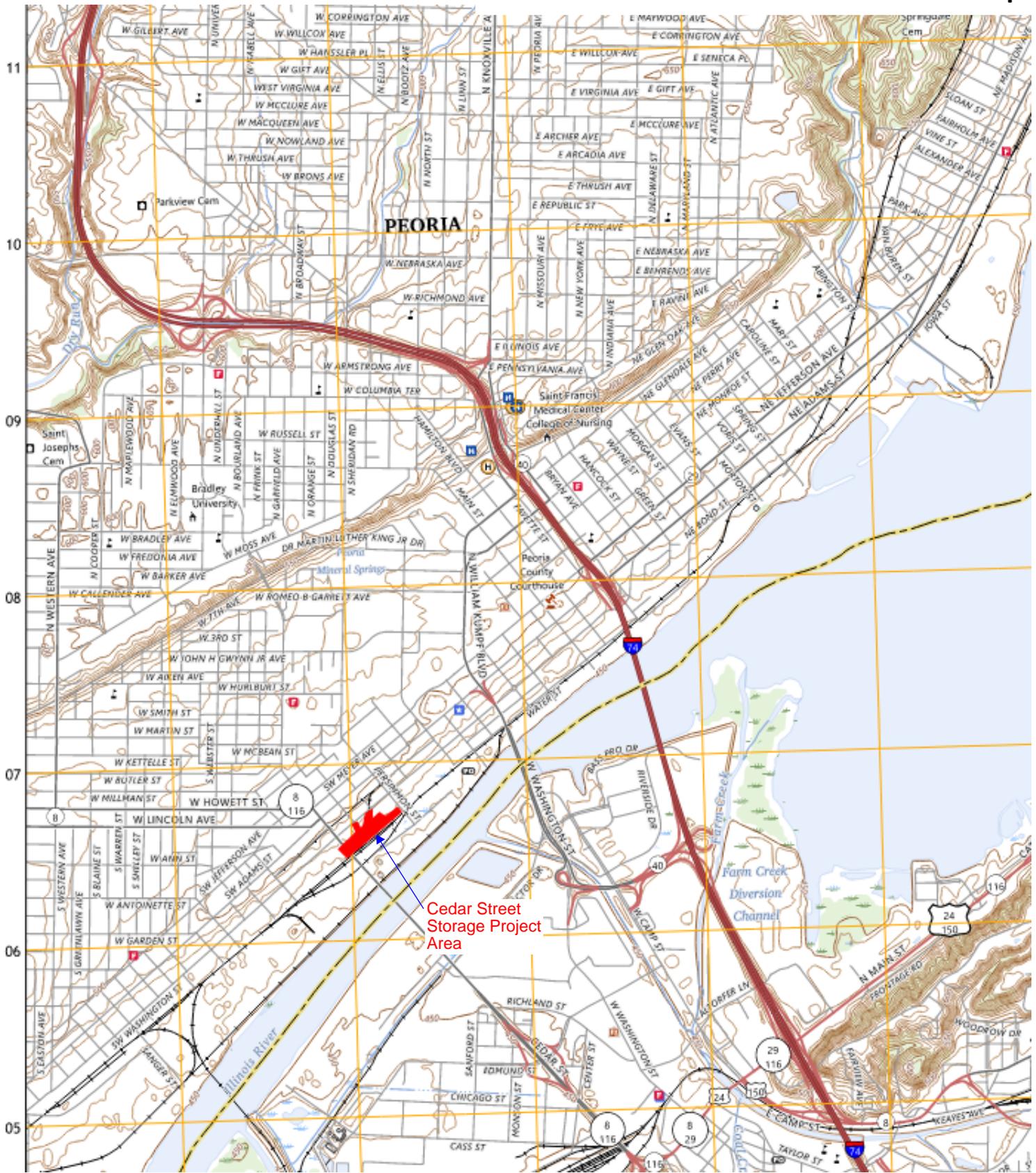
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If you are an applicant, please submit a copy of this letter to the state or federal agency from which you obtain any permit, license, grant, or other assistance. If further assistance is needed contact Jeff Kruchten, Principal Archaeologist, at 217/785-1279 or jeff.kruchten@illinois.gov.

Sincerely,

A handwritten signature in cursive script that reads "Carey L. Mayer".

Carey L. Mayer, AIA
Deputy State Historic Preservation Officer



**Mead
& Hunt**

PEORIA EAST
7.5 MIN USGS TOPO

Project
**PEORIA, ILLINOIS
COMBINED SEWER
SYSTEM IMPROVEMENTS
CEDAR STREET STORAGE TANK**

Scale NTS
Date 10/22/2025

Dwg. No.



November 21, 2025

Dr. Andrea Hunter, THPO
Osage Nation
Historic Preservation Office
100 W. Main
Pawhuska, OK 74056

RE: **Section 106 Review - City of Peoria/Peoria County, IL**

Dear Dr. Hunter:

The City of Peoria, IL is applying for funding from the Illinois Environmental Protection Agency (Illinois EPA) for installation of a new 5.5 million gallon combined sewer flow storage tank (Illinois EPA SRF Project L17- to be determined). Illinois EPA provides low interest loans through the State Revolving Fund (SRF), which receives annual federal capitalization funding from USEPA. Prior to receiving planning approval, Illinois EPA requires review of all projects to assure compliance with federal cross-cutting authorities, including Section 106 of the National Historic Preservation Act (NHPA).

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USPLSS Location Information

Quadrangle: Peoria East
Section: 9; Quarter Section: NE 1/4
Section: 10; Quarter Section: NW 1/4
Township: 8N
Range: 8E
Meridian: 4th principal

Dr. Andrea Hunter, THPO

November 21, 2025

Page 2

UTM (WGS84) Coordinates

40.693149°N, 89.582709°W

Information regarding the project is attached. If you would like to be a consulting party on this project, please respond to this letter within 30 days. If you have information regarding potential adverse impacts of construction activities, please submit a description of your concerns along with a request for mitigative measures. We value your input. If you have further questions regarding this project, please contact Mr. Eric Carlson at eric.carlson@meadhunt.com.

Sincerely,

MEAD & HUNT, Inc.



Eric J. Carlson, P.E.
Senior Engineer



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JB Pritzker, Governor • Natalie Phelps Finnie, Director
One Natural Resources Way • Springfield, Illinois 62702-1271

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PLEASE REFER TO: SHPO LOG #032102325

November 14, 2025

Eric Carlson
Mead & Hunt
5901 N. Prospect Rd., Suite 201A
Peoria, IL 61614

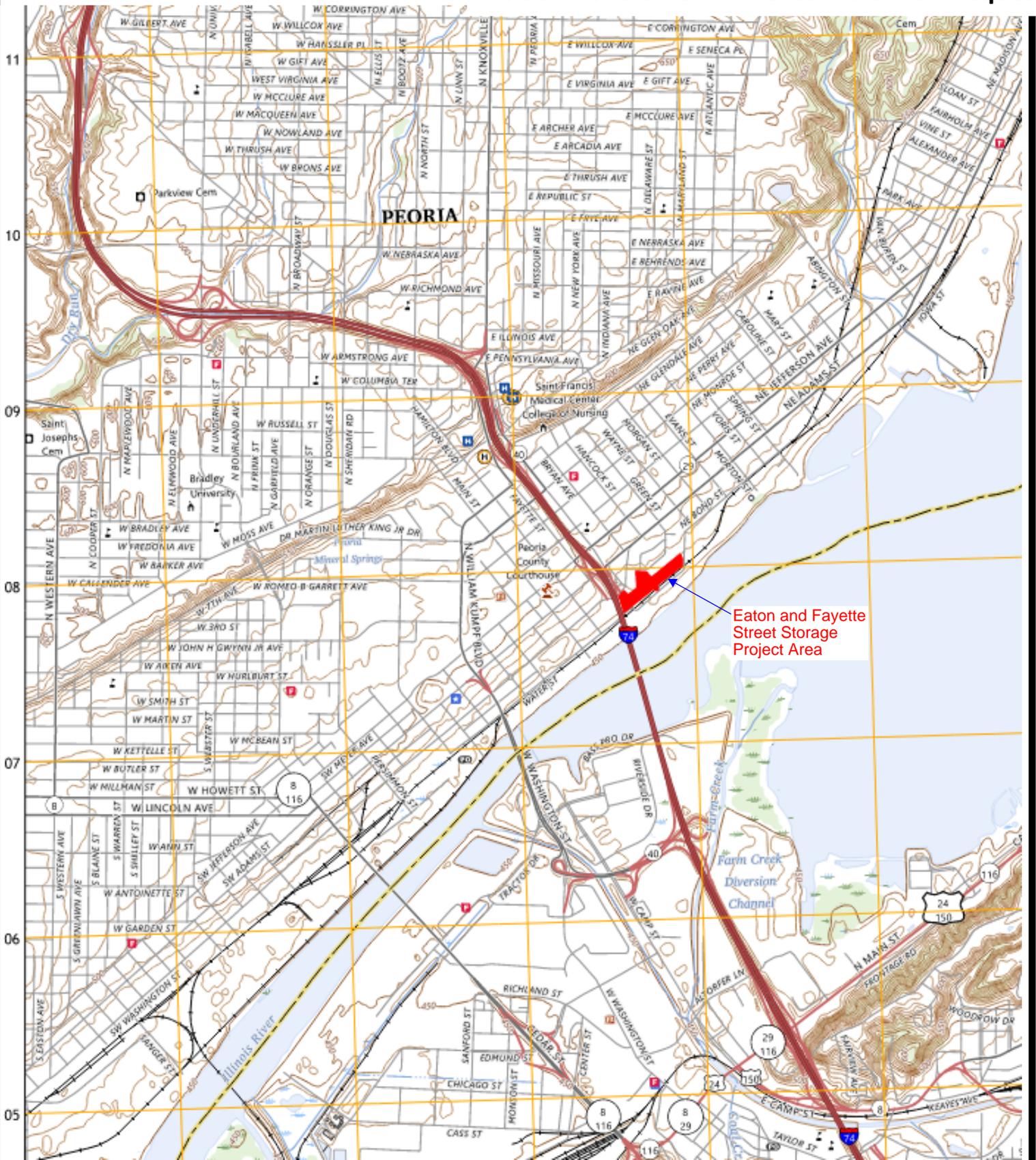
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Sincerely,

Carey L. Mayer, AIA
Deputy State Historic Preservation Officer



Eaton and Fayette Street Storage Project Area



PEORIA EAST
7.5 MIN USGS TOPO

Project PEORIA, ILLINOIS
COMBINED SEWER
SYSTEM IMPROVEMENTS
EATON AND FAYETTE STREET STORAGE TANK

Scale NTS

Dwg. No.

Date 10/22/2025



November 21, 2025

Dr. Andrea Hunter, THPO
Osage Nation
Historic Preservation Office
100 W. Main
Pawhuska, OK 74056

RE: **Section 106 Review - City of Peoria/Peoria County, IL**

Dear Dr. Hunter:

The City of Peoria, IL is applying for funding from the Illinois Environmental Protection Agency (Illinois EPA) for installation of green infrastructure assets (IEPA SRF Project L17- to be determined). Illinois EPA provides low interest loans through the State Revolving Fund (SRF), which receives annual federal capitalization funding from USEPA. Prior to receiving planning approval, Illinois EPA requires review of all projects to assure compliance with federal cross-cutting authorities, including Section 106 of the National Historic Preservation Act (NHPA).

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Project location information is listed below.

USPLSS Location Information

Quadrangle: Peoria East
Section: 8; Quarter Section: All Quarters
Section: 9; Quarter Section: SW 1/4
Section: 16; Quarter Section: NW 1/4
Section: 17; Quarter Section: NE, NW, SW 1/4
Section: 18; Quarter Section: NE, SE 1/4

Dr. Andrea Hunter, THPO

November 21, 2025

Page 2

Township: 8N
Range: 8E
Meridian: 4th principal

UTM (WGS84) Coordinates

40.681368°N, 89.614746°W

Information regarding the project is attached. If you would like to be a consulting party on this project, please respond to this letter within 30 days. If you have information regarding potential adverse impacts of construction activities, please submit a description of your concerns along with a request for mitigative measures. We value your input. If you have further questions regarding this project, please contact Mr. Eric Carlson at eric.carlson@meadhunt.com.

Sincerely,

MEAD & HUNT, Inc.



Eric J. Carlson, P.E.
Senior Engineer



Illinois
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Peoria County
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PLEASE REFER TO: SHPO LOG #032102325

November 14, 2025

Eric Carlson
Mead & Hunt
5901 N. Prospect Rd., Suite 201A
Peoria, IL 61614

We have reviewed the documentation submitted for the referenced project in accordance with 36 CFR Part 800.4. Based upon the information provided, no historic properties will be affected. We, therefore, have no objection to the undertaking proceeding as planned.

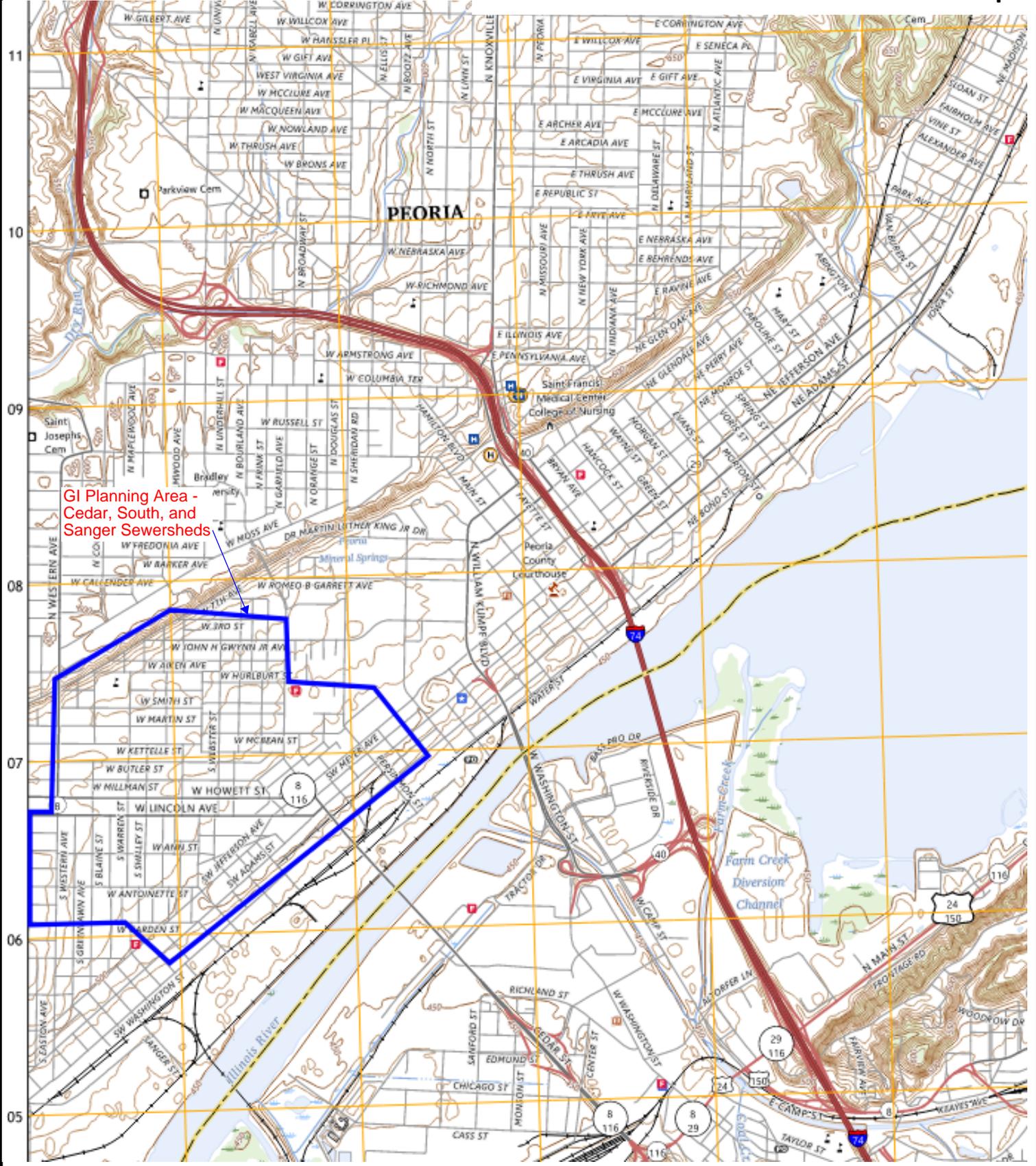
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Sincerely,

A handwritten signature in cursive script that reads "Carey L. Mayer".

Carey L. Mayer, AIA
Deputy State Historic Preservation Officer



GI Planning Area - Cedar, South, and Sanger Sewersheds



PEORIA EAST
7.5 MIN USGS TOPO

Project PEORIA, ILLINOIS
COMBINED SEWER
SYSTEM GI IMPROVEMENTS
CEDAR, SOUTH, AND SANGER SEWERSHEDS

Scale NTS
Date 10/22/2025

Dwg. No.



November 21, 2025

Dr. Andrea Hunter, THPO
Osage Nation
Historic Preservation Office
100 W. Main
Pawhuska, OK 74056

RE: **Section 106 Review - City of Peoria/Peoria County, IL**

Dear Dr. Hunter:

The City of Peoria, IL is applying for funding from the Illinois Environmental Protection Agency (Illinois EPA) for installation of green infrastructure assets (IEPA SRF Project L17- to be determined). Illinois EPA provides low interest loans through the State Revolving Fund (SRF), which receives annual federal capitalization funding from USEPA. Prior to receiving planning approval, Illinois EPA requires review of all projects to assure compliance with federal cross-cutting authorities, including Section 106 of the National Historic Preservation Act (NHPA).

In cooperation with Illinois EPA, the City of Peoria, IL conducted a review of this proposed project's location to comply with Section 106 of the National Historic Preservation Act according to procedures outlined in 36 CFR Part 800. Please see the attached results from the IL State Historic Preservation Office (SHPO). The IL SHPO consultation determination evaluated four separate projects including this one. Separate correspondence will be provided for each of the other three projects. Due to tribal interests in Peoria County, IL, we invite you to be a consulting party in this review to help identify properties in the project area that may have historical, religious, or cultural significance to your tribe. If such properties are identified and the project has the potential to impact historical or cultural resources, we request guidance regarding how to avoid, minimize, or mitigate any adverse effects.

Project location information is listed below.

USPLSS Location Information

Quadrangle: Peoria East
Section: 3; Quarter Section: All Quarters
Section: 4; Quarter Section: NE, SE, SW 1/4
Section: 9; Quarter Section: NE, NW 1/4
Section: 10; Quarter Section: NW 1/4

Dr. Andrea Hunter, THPO

November 21, 2025

Page 2

Township: 8N
Range: 8E
Meridian: 4th principal

UTM (WGS84) Coordinates

40.701508°N, 89.582014°W

Information regarding the project is attached. If you would like to be a consulting party on this project, please respond to this letter within 30 days. If you have information regarding potential adverse impacts of construction activities, please submit a description of your concerns along with a request for mitigative measures. We value your input. If you have further questions regarding this project, please contact Mr. Eric Carlson at eric.carlson@meadhunt.com.

Sincerely,

MEAD & HUNT, Inc.



Eric J. Carlson, P.E.
Senior Engineer



Illinois
Department of
**Natural
Resources**

JB Pritzker, Governor • Natalie Phelps Finnie, Director
One Natural Resources Way • Springfield, Illinois 62702-1271

www.dnr.illinois.gov

Peoria County
Peoria
Cedar Street Storage - Area Bounded by Cedar St.,
Washington St., Persimmon St. and West of Monarch St.;
Easton Street Storage - Area Bounded by Commercial Alley, Irving St.,
Water St. and I-74
GI Planning Areas - City Wide
IEPA LOAN, M&H-R4666679-232535
New Construction of a CSO Storage Facility and Green Infrastructure

PLEASE REFER TO: SHPO LOG #032102325

November 14, 2025

Eric Carlson
Mead & Hunt
5901 N. Prospect Rd., Suite 201A
Peoria, IL 61614

We have reviewed the documentation submitted for the referenced project in accordance with 36 CFR Part 800.4. Based upon the information provided, no historic properties will be affected. We, therefore, have no objection to the undertaking proceeding as planned.

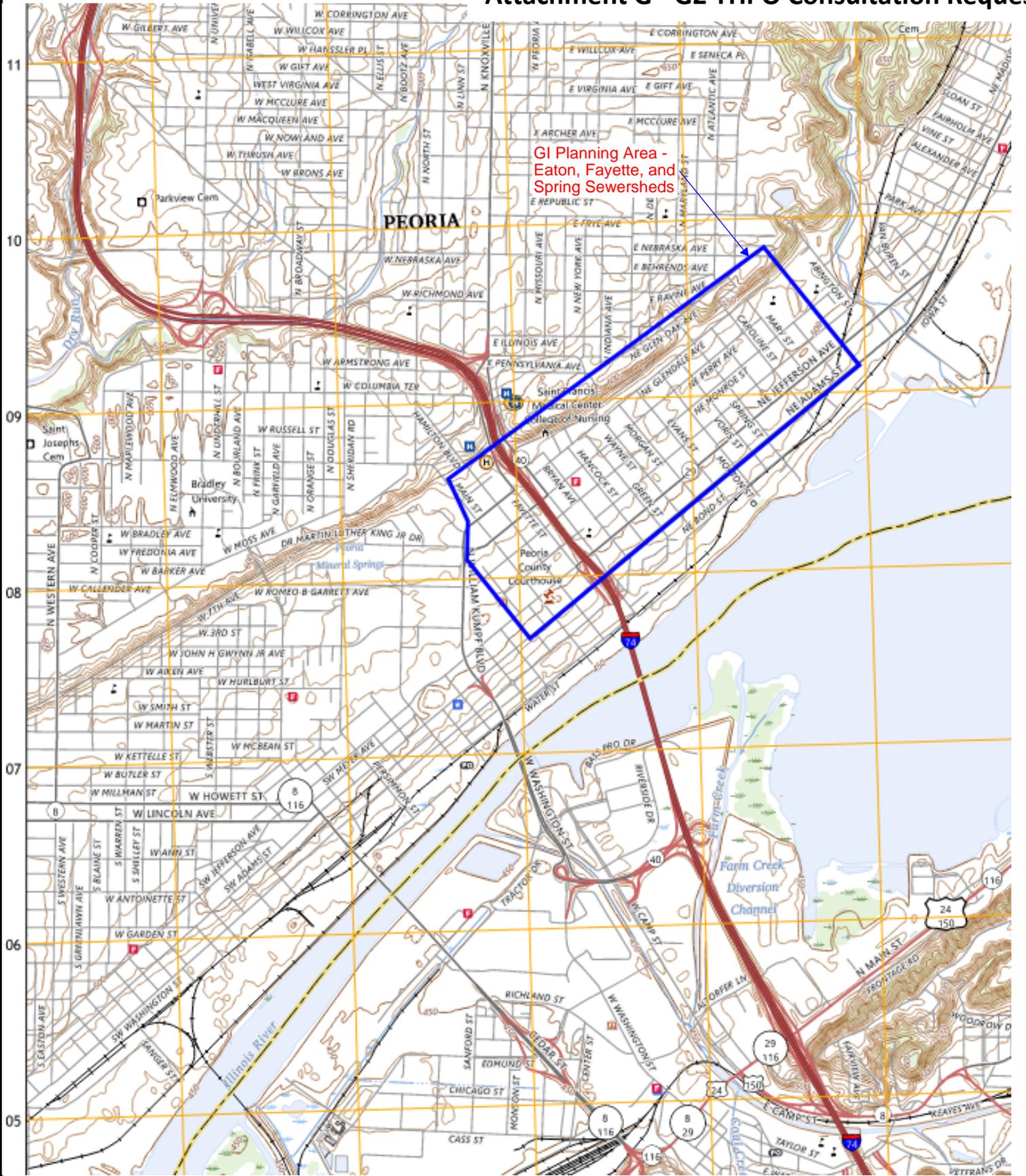
Please retain this letter in your files as evidence of compliance with Section 106 of the National Historic Preservation Act of 1966, as amended. This approval remains in effect for two (2) years from date of issuance. It does not pertain to any discovery during construction, nor is it a clearance for purposes of the Illinois Human Remains Protection Act (20 ILCS 3440).

If you are an applicant, please submit a copy of this letter to the state or federal agency from which you obtain any permit, license, grant, or other assistance. If further assistance is needed contact Jeff Kruchten, Principal Archaeologist, at 217/785-1279 or jeff.kruchten@illinois.gov.

Sincerely,

A handwritten signature in black ink that reads "Carey L. Mayer".

Carey L. Mayer, AIA
Deputy State Historic Preservation Officer



Mead & Hunt

PEORIA EAST
7.5 MIN USGS TOPO

Project PEORIA, ILLINOIS
COMBINED SEWER
SYSTEM GI IMPROVEMENTS
EATON, FAYETTE, AND SPRING SEWERSHEDS

Scale NTS

Dwg. No.

Date 10/22/2025

ATTACHMENT H

EcoCAT





Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
<http://dnr.state.il.us>

JB Pritzker, Governor

Natalie Phelps Finnie, Director

October 15, 2025

Eric Carlson
Eric Carlson
5901 N Prospect Rd
Suite 201A
Peoria, IL 61614

RE: City of Peoria Combined Sewer Overflow Consent Decree Milestone #2 Project
Project Number(s): 2606450
County: Peoria

Dear Applicant:

This letter is in reference to the project you recently submitted for consultation. The natural resource review provided by EcoCAT identified protected resources that may be in the vicinity of the proposed action. The Department has evaluated this information and concluded that adverse effects are unlikely. Therefore, consultation under 17 Ill. Adm. Code Part 1075 and 1090 is terminated.

Consultation for Part 1075 is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Consultation for Part 1090 (Interagency Wetland Policy Act) is valid for three years.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database and the Illinois Wetlands Inventory at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

Adam Rawe

Adam Rawe
Division of Ecosystems and Environment
217-785-5500



Applicant: Eric Carlson
Contact: Eric Carlson
Address: 5901 N Prospect Rd
 Suite 201A
 Peoria, IL 61614

IDNR Project Number: 2606450
Date: 10/15/2025

Project: City of Peoria Combined Sewer Overflow Consent Decree Milestone #2 Project
Address: 110 Pecan St, Peoria

Description: Construction of storage tank to manage CSO volume from Cedar Street Outfall. Work limited to previously disturbed areas and includes construction of tank, pump station installation, and tie ins to existing combined sewer pipes.

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Lake Sturgeon (*Acipenser fulvescens*)

Wetland Review (Part 1090)

The Illinois Wetlands Inventory shows wetlands within 250 feet of the project location.

An IDNR staff member will evaluate this information and contact you to request additional information or to terminate consultation if adverse effects are unlikely.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Peoria

Township, Range, Section:

8N, 8E, 9
 8N, 8E, 16



**IL Department of Natural Resources
 Contact**
 Adam Rawe
 217-785-5500
 Division of Ecosystems & Environment

Government Jurisdiction
 IL Environmental Protection Agency
 Kim VanPelt
 2520 W Iles Avenue
 P.O. Box 19276
 Springfield, Illinois 62794 -9276

Disclaimer

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Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
<http://dnr.state.il.us>

JB Pritzker, Governor

Natalie Phelps Finnie, Director

October 15, 2025

Eric Carlson
Eric Carlson
5901 N Prospect Rd
Suite 201A
Peoria, IL 61614

RE: City of Peoria Combined Sewer Overflow Consent Decree Milestone #2 Project
Project Number(s): 2606452
County: Peoria

Dear Applicant:

This letter is in reference to the project you recently submitted for consultation. The natural resource review provided by EcoCAT identified protected resources that may be in the vicinity of the proposed action. The Department has evaluated this information and concluded that adverse effects are unlikely. Therefore, consultation under 17 Ill. Adm. Code Part 1075 and 1090 is terminated.

Consultation for Part 1075 is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Consultation for Part 1090 (Interagency Wetland Policy Act) is valid for three years.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database and the Illinois Wetlands Inventory at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

Adam Rawe

Adam Rawe
Division of Ecosystems and Environment
217-785-5500



Applicant: Eric Carlson
Contact: Eric Carlson
Address: 5901 N Prospect Rd
 Suite 201A
 Peoria, IL 61614

IDNR Project Number: 2606452
Date: 10/15/2025

Project: City of Peoria Combined Sewer Overflow Consent Decree Milestone #2 Project
Address: 610 NE Commercial St, Peoria

Description: Construction of storage tank to manage CSO volume from Eaton and Fayette Street Outfalls. Work limited to previously disturbed areas and includes construction of tank, pump station installation, and tie ins to existing combined sewer pipes.

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Lake Sturgeon (*Acipenser fulvescens*)

Wetland Review (Part 1090)

The Illinois Wetlands Inventory does not show wetlands within 250 feet of the project location.

An IDNR staff member will evaluate this information and contact you to request additional information or to terminate consultation if adverse effects are unlikely.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Peoria

Township, Range, Section:

8N, 8E, 9
 8N, 8E, 10



IL Department of Natural Resources Contact

Adam Rawe
 217-785-5500
 Division of Ecosystems & Environment

Government Jurisdiction

IL Environmental Protection Agency
 Kim VanPelt
 2520 W Iles Avenue
 P.O. Box 19276
 Springfield, Illinois 62794 -9276

Disclaimer

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IDNR Project Number: 2606452

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H3 - EcoCat GI Project Planning Area Cedar, South, and Sanger Sewersheds

Illinois Department of
Natural ResourcesOne Natural Resources Way Springfield, Illinois 62702-1271
<http://dnr.state.il.us>

JB Pritzker, Governor

Natalie Phelps Finnie, Director

October 15, 2025

Eric Carlson
Eric Carlson
5901 N Prospect Rd
Suite 201A
Peoria, IL 61614**RE: City of Peoria Combined Sewer Overflow Consent Decree Milestone #2 Project**
Project Number(s): 2606439
County: Peoria

Dear Applicant:

This letter is in reference to the project you recently submitted for consultation. The natural resource review provided by EcoCAT identified protected resources that may be in the vicinity of the proposed action. The Department has evaluated this information and concluded that adverse effects are unlikely. Therefore, consultation under 17 Ill. Adm. Code Part 1075 and 1090 is terminated.

Consultation for Part 1075 is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Consultation for Part 1090 (Interagency Wetland Policy Act) is valid for three years.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database and the Illinois Wetlands Inventory at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

*Adam Rawe*Adam Rawe
Division of Ecosystems and Environment
217-785-5500

H3 - EcoCat GI Project Planning Area Cedar, South, and Sanger Sewersheds



Applicant: Eric Carlson
Contact: Eric Carlson
Address: 5901 N Prospect Rd
 Suite 201A
 Peoria, IL 61614

IDNR Project Number: 2606439
Date: 10/15/2025

Project: City of Peoria Combined Sewer Overflow Consent Decree Milestone #2 Project
Address: 1312 W Lincoln Ave, Peoria

Description: Installation of green infrastructure, generally limited to 4-feet below grade, in existing streets and alley ways in City of Peoria right of way.

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

St. Mary's Cemetery Hill Prairie INAI Site
 Carroll T. Cox Forest Natural Heritage Landmark
 Lake Sturgeon (*Acipenser fulvescens*)

Wetland Review (Part 1090)

The Illinois Wetlands Inventory shows wetlands within 250 feet of the project location.

An IDNR staff member will evaluate this information and contact you to request additional information or to terminate consultation if adverse effects are unlikely.

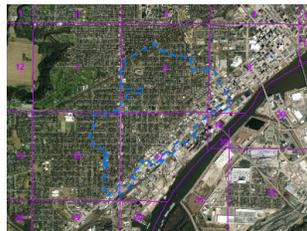
Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Peoria

Township, Range, Section:

8N, 8E, 7
 8N, 8E, 8
 8N, 8E, 9
 8N, 8E, 16
 8N, 8E, 17
 8N, 8E, 18



IL Department of Natural Resources

Contact

Adam Rawe
 217-785-5500
 Division of Ecosystems & Environment

Government Jurisdiction

IL Environmental Protection Agency
 Kim VanPelt
 2520 W Iles Avenue
 P.O. Box 19276
 Springfield, Illinois 62794 -9276

H3 - EcoCat GI Project Planning Area Cedar, South, and Sanger Sewersheds

IDNR Project Number: 2606439

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H4 - EcoCat GI Project Planning Area Spring, Eaton, and Fayette Sewersheds

Illinois Department of
Natural ResourcesOne Natural Resources Way Springfield, Illinois 62702-1271
<http://dnr.state.il.us>

JB Pritzker, Governor

Natalie Phelps Finnie, Director

October 15, 2025

Eric Carlson
Eric Carlson
5901 N Prospect Rd
Suite 201A
Peoria, IL 61614**RE: City of Peoria Combined Sewer Overflow Consent Decree Milestone #2 Project**
Project Number(s): 2606445
County: Peoria

Dear Applicant:

This letter is in reference to the project you recently submitted for consultation. The natural resource review provided by EcoCAT identified protected resources that may be in the vicinity of the proposed action. The Department has evaluated this information and concluded that adverse effects are unlikely. Therefore, consultation under 17 Ill. Adm. Code Part 1075 and 1090 is terminated.

Consultation for Part 1075 is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Consultation for Part 1090 (Interagency Wetland Policy Act) is valid for three years.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database and the Illinois Wetlands Inventory at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

*Adam Rawe*Adam Rawe
Division of Ecosystems and Environment
217-785-5500

H4 - EcoCat GI Project Planning Area Spring, Eaton, and Fayette Sewersheds



Applicant: Eric Carlson
Contact: Eric Carlson
Address: 5901 N Prospect Rd
 Suite 201A
 Peoria, IL 61614

IDNR Project Number: 2606445
Date: 10/15/2025

Project: City of Peoria Combined Sewer Overflow Consent Decree Milestone #2 Project
Address: 519 NE Glendale Ave, Peoria

Description: Installation of green infrastructure, generally limited to 4-feet below grade, in existing streets and alley ways in City of Peoria right of way.

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Springdale Cemetery Savanna INAI Site
 Springdale Cemetery Savanna Natural Heritage Landmark
 Lake Sturgeon (*Acipenser fulvescens*)
 Lake Sturgeon (*Acipenser fulvescens*)

Wetland Review (Part 1090)

The Illinois Wetlands Inventory does not show wetlands within 250 feet of the project location.

An IDNR staff member will evaluate this information and contact you to request additional information or to terminate consultation if adverse effects are unlikely.

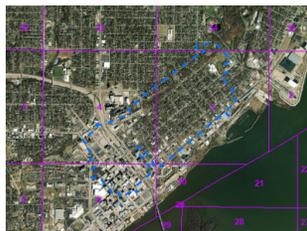
Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Peoria

Township, Range, Section:

8N, 8E, 3
 8N, 8E, 4
 8N, 8E, 9
 8N, 8E, 10
 9N, 8E, 34



**IL Department of Natural Resources
 Contact**
 Adam Rawe
 217-785-5500
 Division of Ecosystems & Environment

Government Jurisdiction
 IL Environmental Protection Agency
 Kim VanPelt
 2520 W Iles Avenue
 P.O. Box 19276
 Springfield, Illinois 62794 -9276

H4 - EcoCat GI Project Planning Area Spring, Eaton, and Fayette Sewersheds

IDNR Project Number: 2606445

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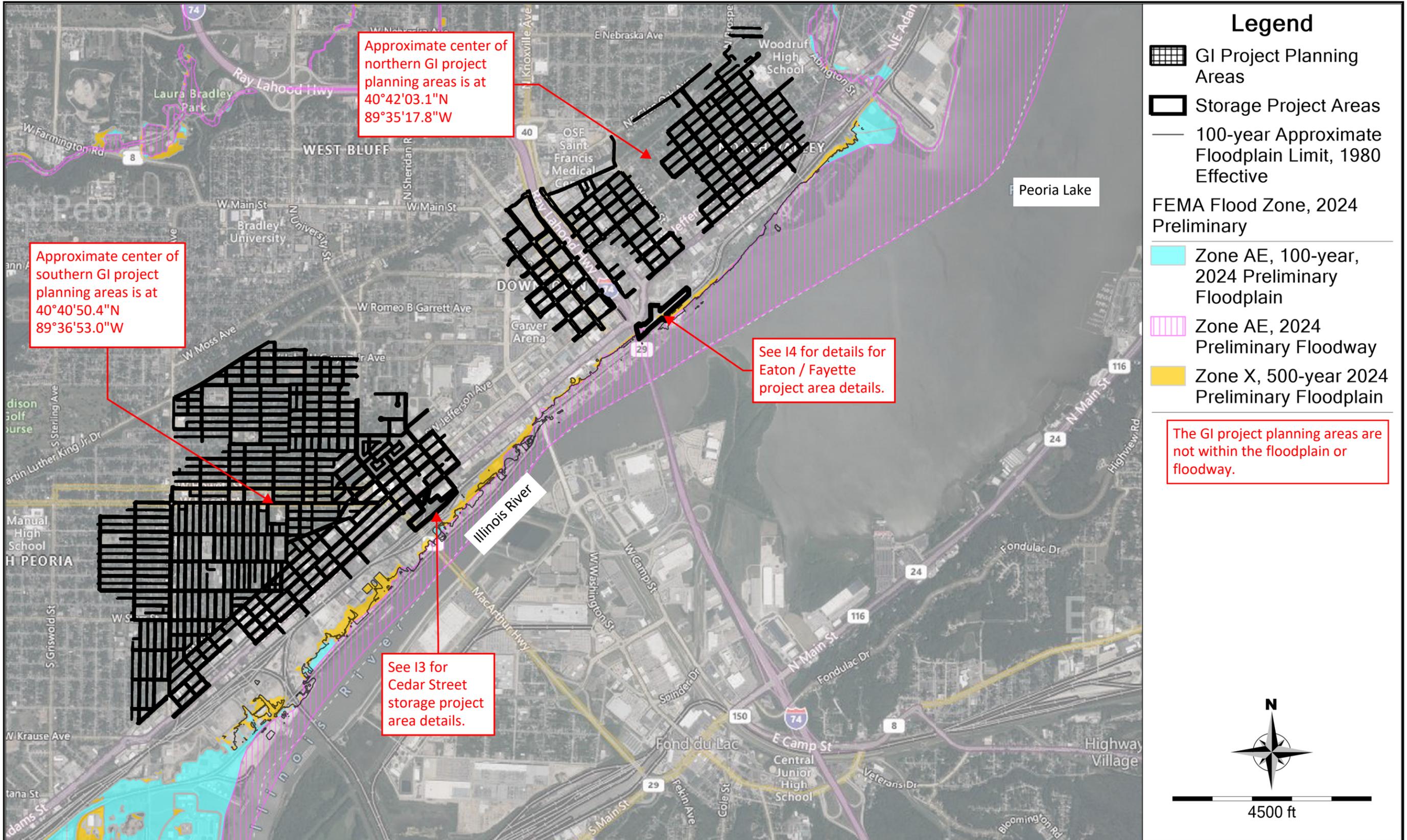
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ATTACHMENT I

Floodplain and Wetland Figures

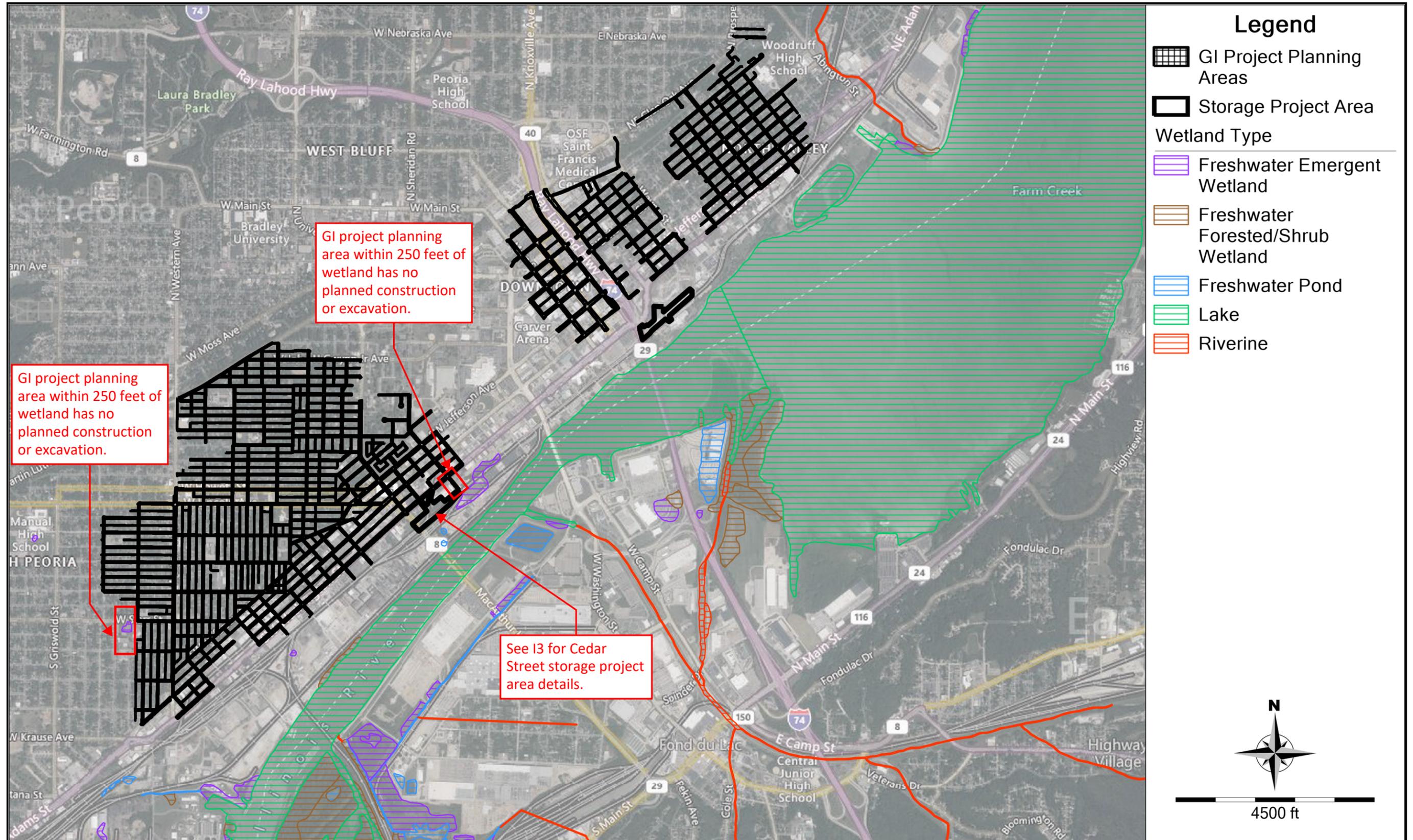




Preliminary concept, subject to change during design.

DRAFT

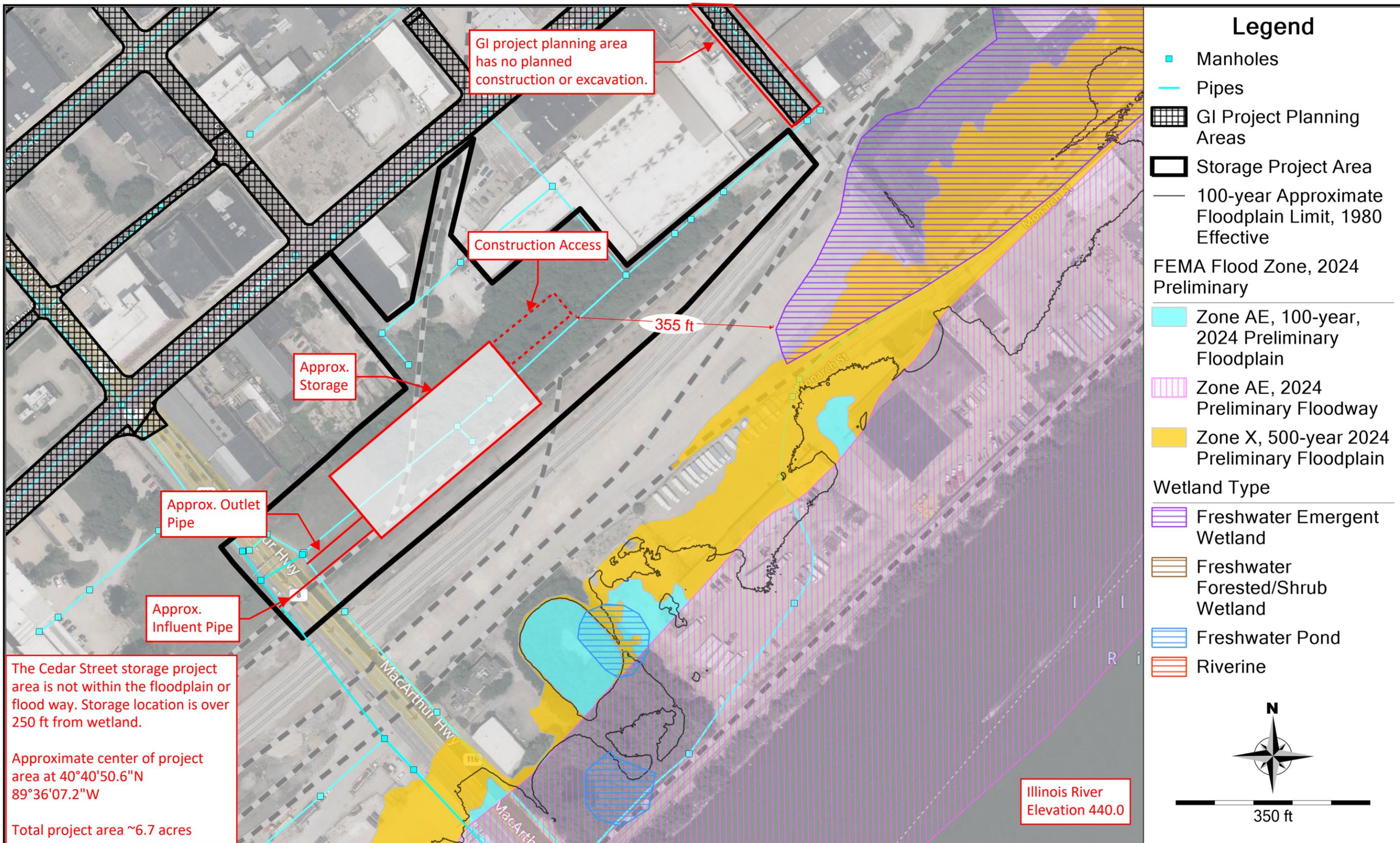
10/21/2025
prepared by Mead & Hunt for the City of Peoria



Preliminary concept, subject to change during design.

DRAFT

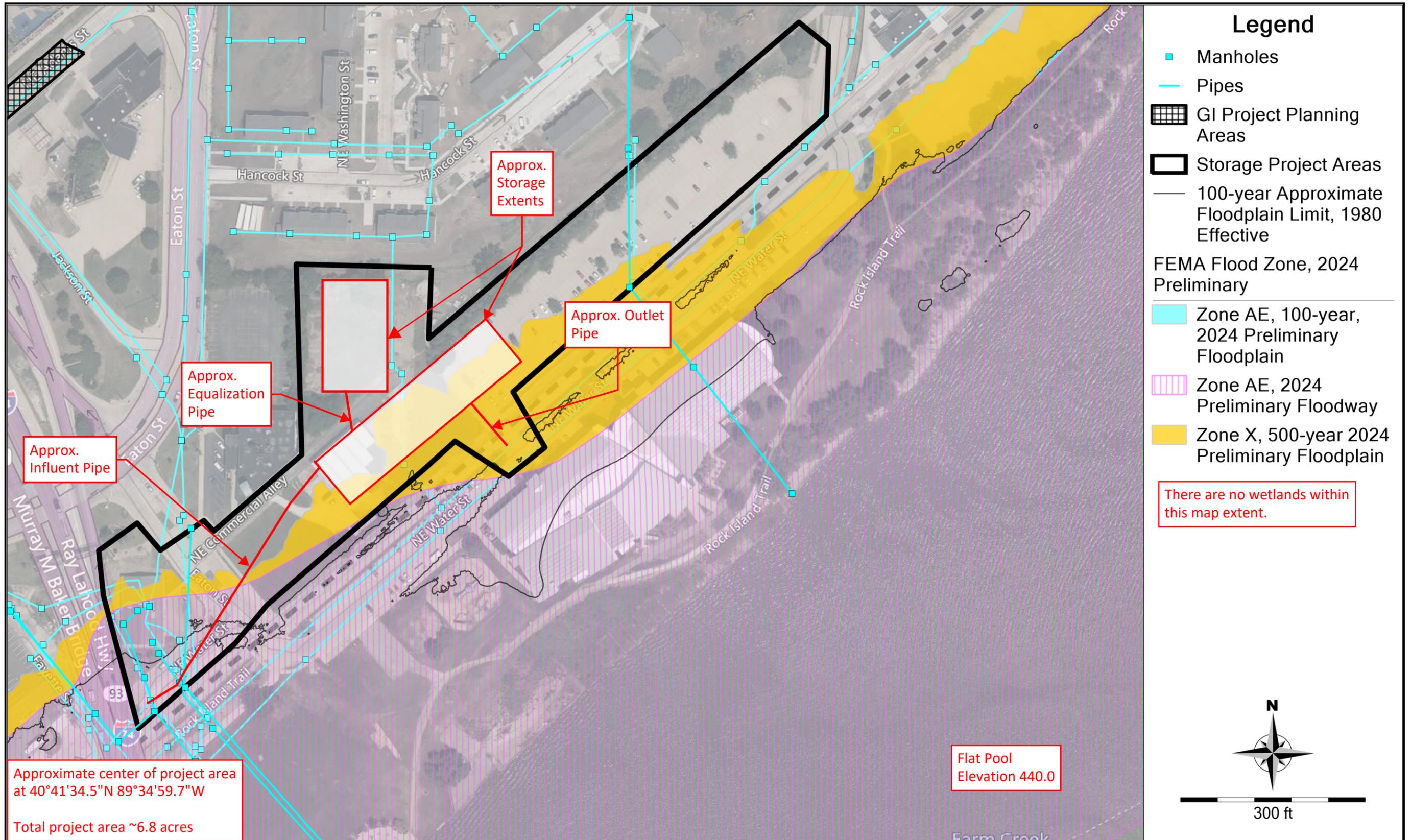
10/21/2025
prepared by Mead & Hunt for the City of Peoria



Preliminary concept, subject to change during design.

DRAFT

10/21/2025
 prepared by Mead & Hunt for the City of Peoria



Preliminary concept, subject to change during design.

DRAFT

10/21/2025
 prepared by Mead & Hunt for the City of Peoria

ATTACHMENT J

USACE Consultation



J1 - USACE Wetlands Consultation Response

Monica Vincent

From: Nelson, Jeffrey E CIV USARMY CEMVR (USA) <Jeffrey.E.Nelson@usace.army.mil>
Sent: Thursday, November 6, 2025 10:22 AM
To: Monica Vincent
Cc: Kyla Dean
Subject: 2025-0956 No Permit Required
Attachments: Project Areas Flood and Wetland_draft_25.10.21.pdf

Please refer to your request dated 30 October 2025, regarding the proposed City of Peoria Sewer Overflow Project located in Peoria, IL, [40.787951 LAT / -89.760063 LONG]. We have reviewed the submitted information relative to Section 404 of the Clean Water Act. As we discussed on our call none of the planned projects should be touching any wetlands or the river. The outlet pipe in figure 4 (reattached for reference) will be connected to an existing sewer underneath Water Street and not discharging to the river.

Upon initial evaluation, your project does not appear to require a Department of the Army (DA) permit pursuant to Section 404 of the CWA. Should your plans change, please resubmit your request so that we may determine whether a DA permit will be required.

This No Permit Required determination does not address nor include any consideration for geographic jurisdiction on aquatic resources and shall not be interpreted as such.

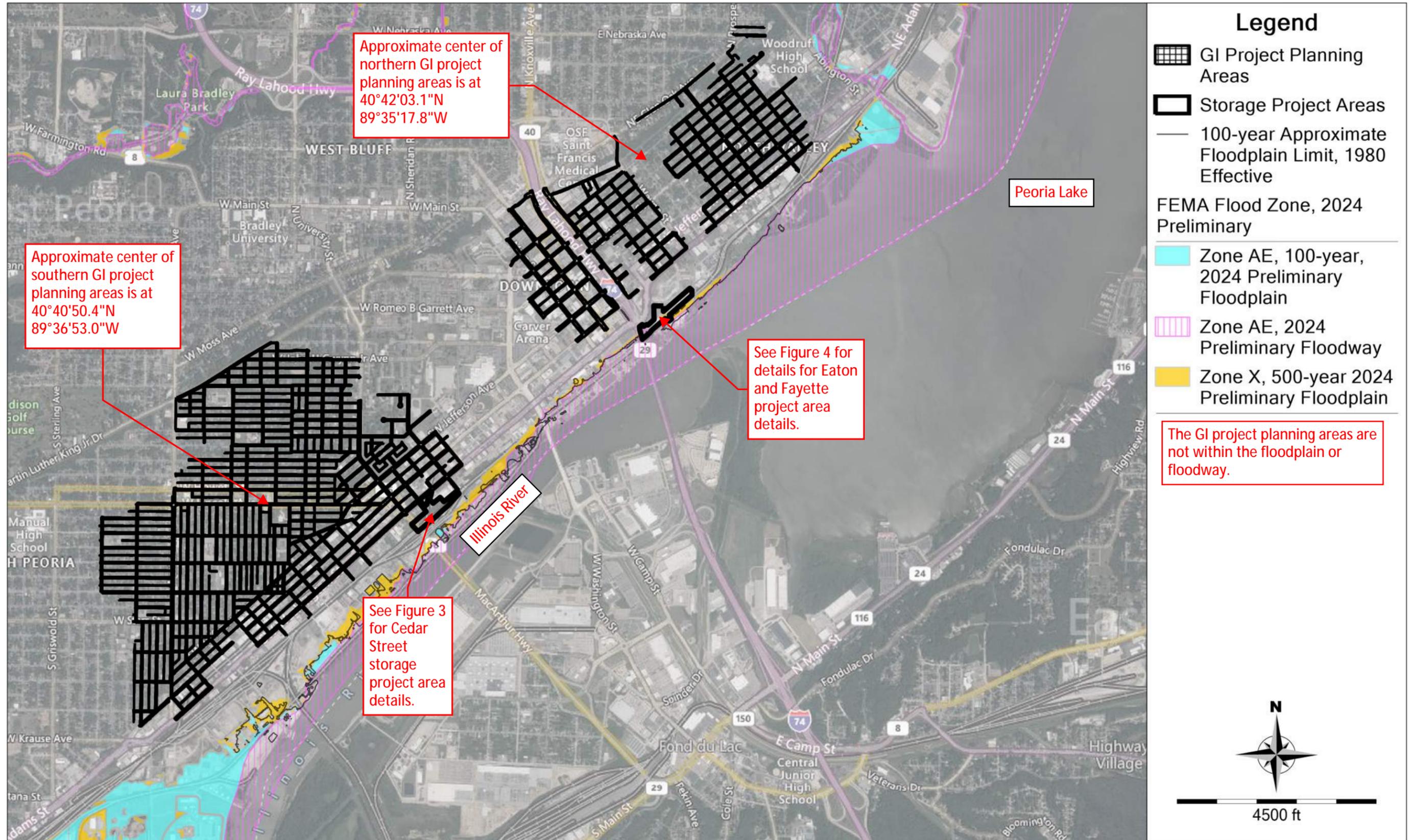
Although Section 404 CWA authorization is not required, this does not preclude the possibility that a real estate interest or other Federal, State, or local permits may be required.

The Rock Island District Regulatory Division is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete our Customer Service Survey found on our web site at <https://regulatory.ops.usace.army.mil/ords/f?p=136:4> (Be sure to select "Rock Island District" under the area entitled: Which Corps office did you deal with?).

Should you have any questions, please contact our Regulatory Division by letter, email Jeffrey.e.nelson@usace.army.mil or telephone Jeff Nelson at 309/216-5036.

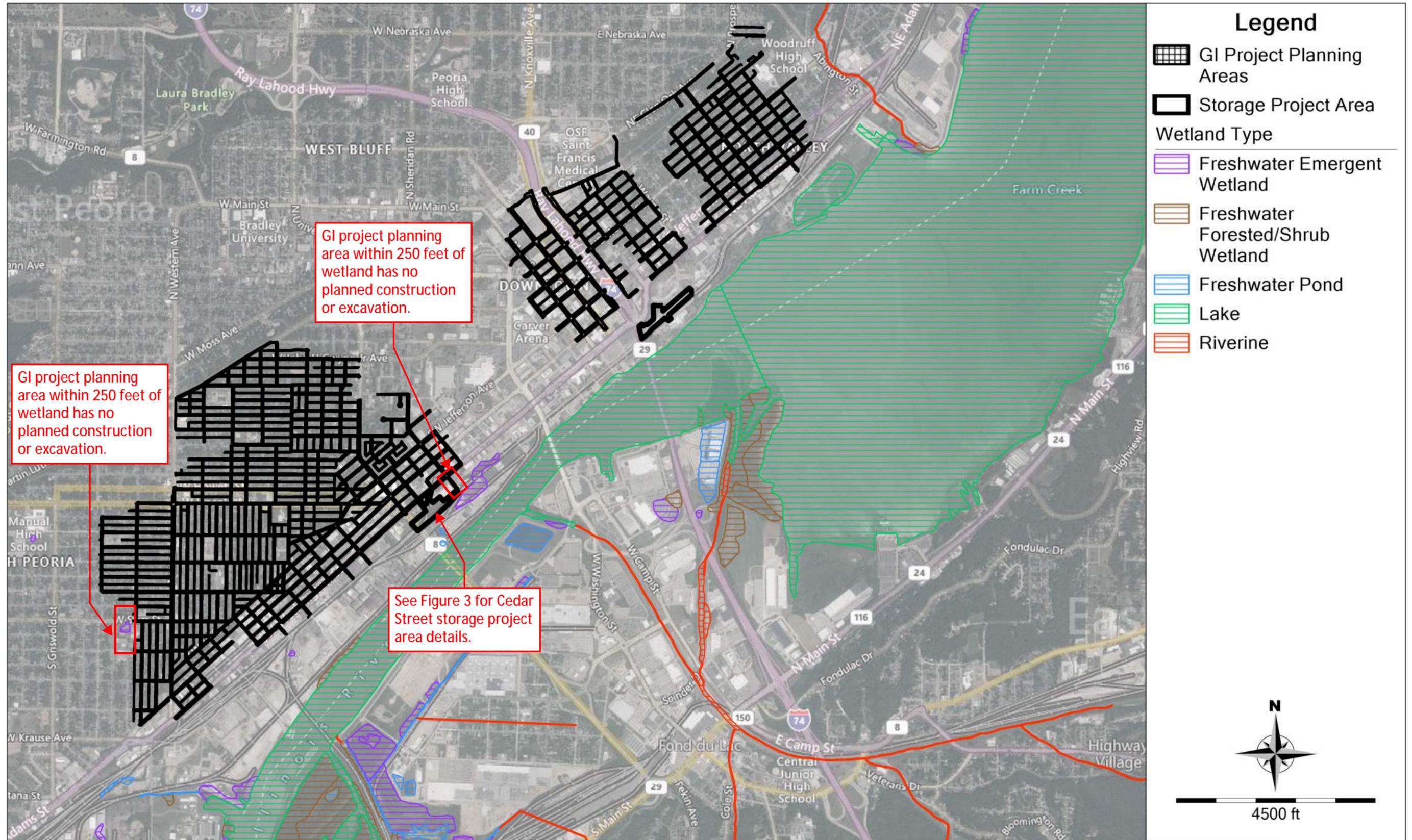
Thanks,

Jeff Nelson
USACE Rock Island
Eastern Branch
Regulatory Division
CISM Peer Supporter
(309) 216-5036



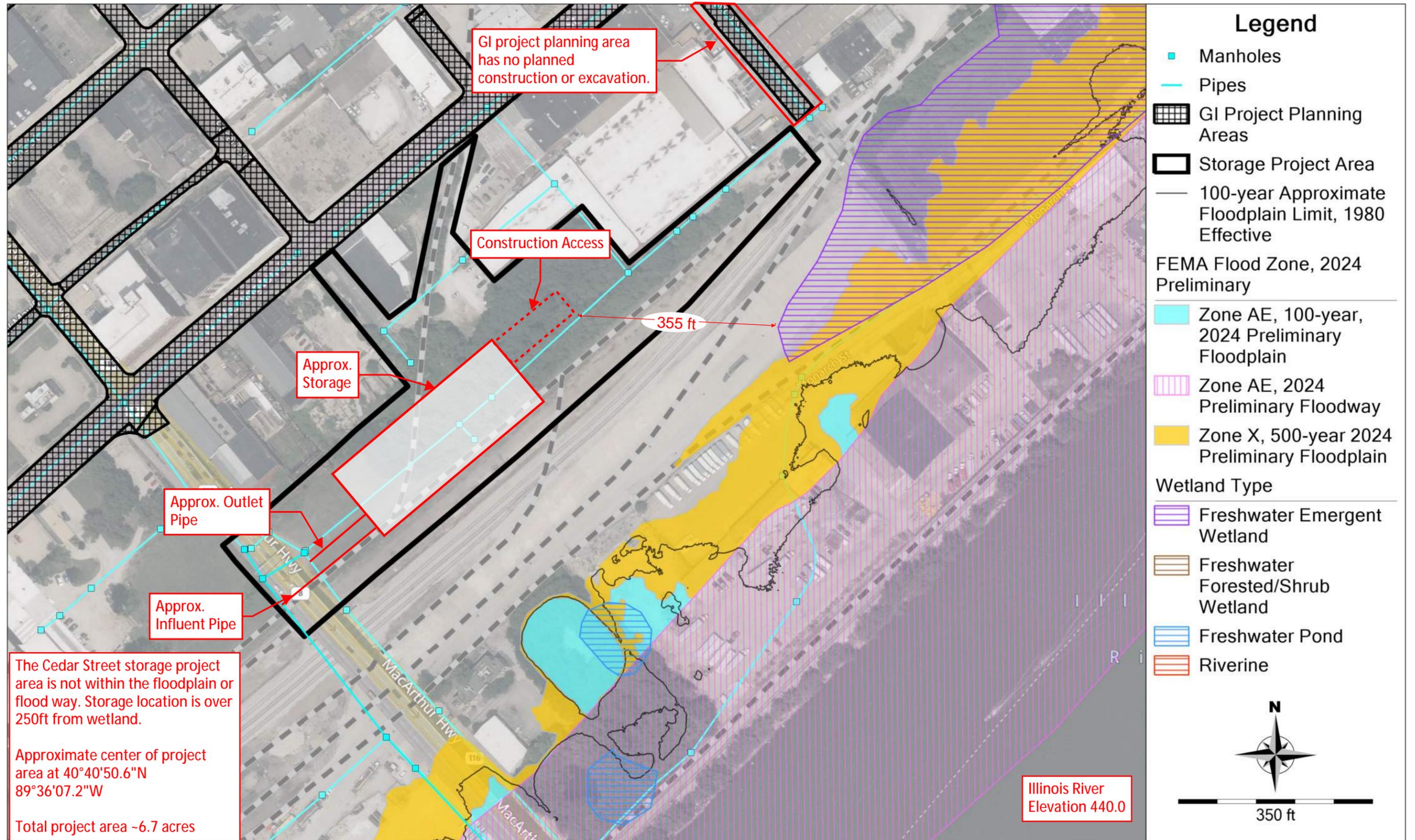
Preliminary concept, subject to change during design.

DRAFT



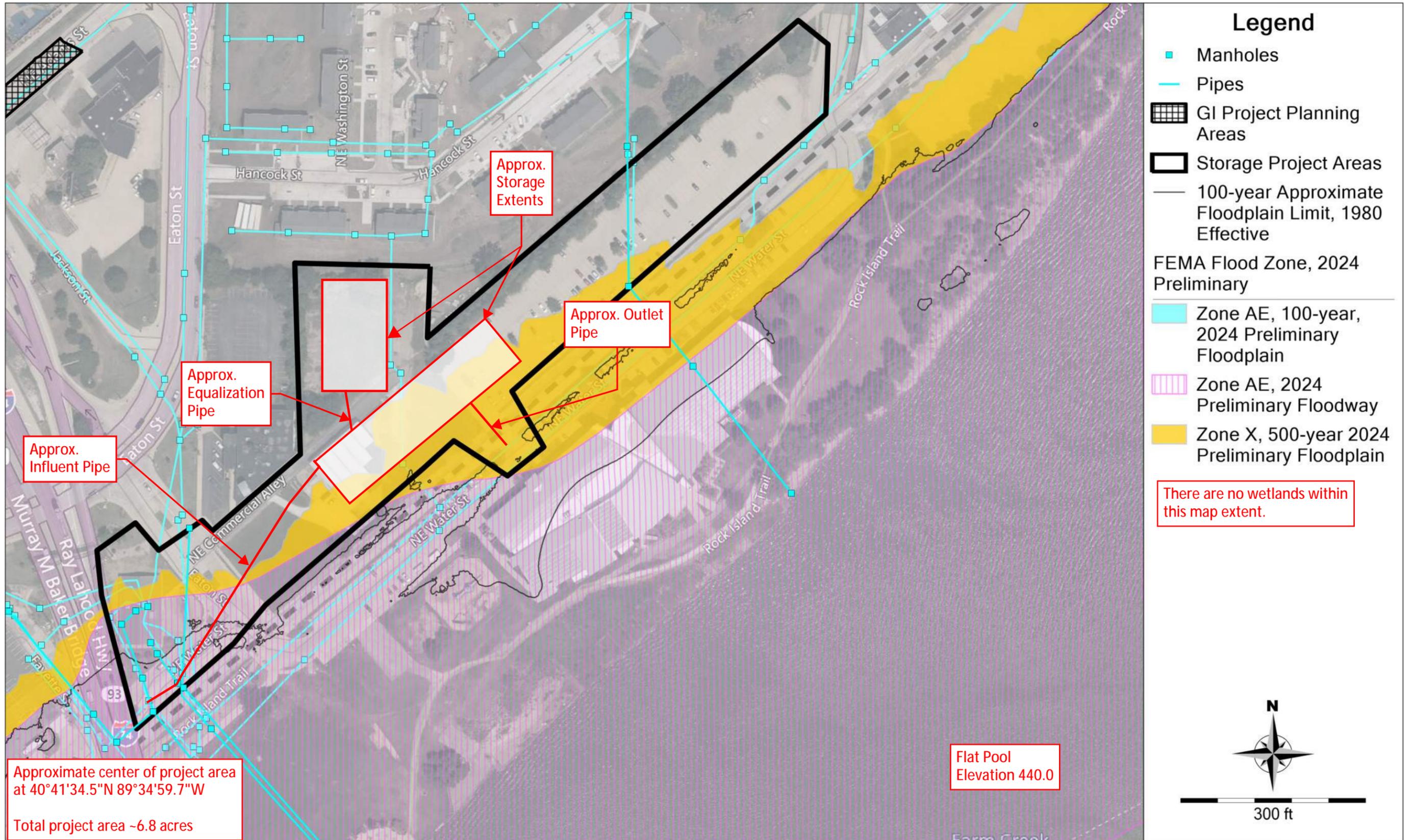
Preliminary concept, subject to change during design.

DRAFT



Preliminary concept, subject to change during design.

DRAFT



Preliminary concept, subject to change during design.

DRAFT

10/21/2025
 prepared by Mead & Hunt for the City of Peoria

ATTACHMENT K
IDNR OWR Consultation



Monica Vincent

From: Tinch, Jesse <Jesse.Tinch@illinois.gov>
Sent: Tuesday, October 21, 2025 4:36 PM
To: Monica Vincent
Cc: Milner, Bill
Subject: RE: IDNR OWR Joint Application Questions for IEPA Project Plan

Categories: Peoria

You don't often get email from jesse.tinch@illinois.gov. [Learn why this is important](#)

Monica,

Thank you for the information. Construction drawings are requested along with the application form. Therefore, since you have already made IDNR/OWR aware that the drawings are not available at this time, the application likely should not yet be submitted to IDNR/OWR. You may share this request for construction drawings with IEPA. In the past we understand that IEPA might allow such a request to count as IDNR/OWR's response for the checklist.

- 1) Yes, the application would be treated as an application for permit.
- 2) When the application form is submitted, the applicant and the property owner (if different from the applicant) should both be listed as applicants/co-applicants and sign the application form.
- 3) IDNR/OWR finds it acceptable if you write something similar to "Can provide upon request" in Block 5 regarding adjoining property owner information.

In summary, when the construction drawings are available, please submit an application form along with the construction drawings to IDNR/OWR.

Jesse
IDNR, Office of Water Resources
217/782-4545

From: Monica Vincent <Monica.Vincent@meadhunt.com>
Sent: Tuesday, October 21, 2025 4:03 PM
To: Tinch, Jesse <Jesse.Tinch@illinois.gov>
Cc: Milner, Bill <Bill.Milner@Illinois.gov>
Subject: [External] RE: IDNR OWR Joint Application Questions for IEPA Project Plan

Hi Jesse,

The project is in the City of Peoria, Peoria County, and is for an offline storage facility to reduce combined sewer overflows. Preliminarily the storage facility with the project area in the flood plain is planned to be underground but we are in the project planning phase still. The storage project would also include underground piping tie-ins to existing sewers and supporting items for the storage facility (e.g., pump station).

Thanks,

Monica Vincent, ENV SP
Direct: 414-755-1151 | Transfer Files
meadhunt.com | 125 Years of Exceptional

K1 INDR OWR Consultation Response

From: Tinch, Jesse <Jesse.Tinch@illinois.gov>
Sent: Tuesday, October 21, 2025 3:58 PM
To: Monica Vincent <Monica.Vincent@meadhunt.com>
Cc: Milner, Bill <Bill.Milner@Illinois.gov>
Subject: RE: IDNR OWR Joint Application Questions for IEPA Project Plan

You don't often get email from jesse.tinch@illinois.gov. [Learn why this is important](#)

Hi Monica,

What city/county is the project located in? Also, what type of construction is proposed (e.g., underground pipe, treatment plant, or lagoon)?

Jesse Tinch, P.E., CFM
Regulatory Engineer
IDNR, Office of Water Resources
One Natural Resources Way
Springfield, IL 62702-1271
Tel: 217/782-4545

From: Monica Vincent <Monica.Vincent@meadhunt.com>
Sent: Tuesday, October 21, 2025 1:50 PM
To: Altman, Steve <Steve.Altman@illinois.gov>
Subject: [External] IDNR OWR Joint Application Questions for IEPA Project Plan

Hi Steve,

I am working on a project plan for IEPA funding approval and as part of the plan are required to fill out the environmental checklist. The checklist requires an IDNR OWR joint application form to be filled out if the project is located within a flood plain or floodway. Part of our project area is within the flood plain, so we are required to fill out the joint application form, and I had a few questions on the form I was hoping you could provide information regarding.

- 1) Our understanding is that although we are in the planning phase and only require project evaluation and a response of the project review, not a permit, the application will essentially be treated as a permit, is this correct?
- 2) The instructions require an explanation of how the property will be obtained or acquired if the property is not presently owned by the applicant. How detailed does this explanation need to be?
- 3) The form has a section for adjoining property owners' information, and notes that public notifications of the project will be made. Can this be marked as TBD, since we are in the planning phase, and provided when the project is ready for permitting? The city has not made public notifications yet and they would like to wait until more project details have been finalized. If this would delay the review response, are there other options available to hold notification until the city has had a chance to make their own notification?

The project is required to meet Consent Decree requirements and timing is important. Do you have any recommendations on items we can do to help expedite the process or help with a smooth review of the application?

Let me know if you have any questions, or if there is someone else I should contact please let me know.

Thank you,



Monica Vincent, ENV SP

Project Engineer

Direct: 414-755-1151 | Transfer Files

Mead&Hunt

LinkedIn | Facebook | Instagram | My LinkedIn

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ATTACHMENT L

Wastewater Project Planning Checklist





Illinois Environmental Protection Agency

2520 West Iles Avenue • P.O. Box 19276 • Springfield, Illinois • 62794-9276 • 217-782-3397

JB Pritzker, Governor

James Jennings, Acting Director

Wastewater Project Planning Submittal Checklist

Planning File

Before the Agency will begin review of a Project Plan, **a completed Funding Nomination Form** along with **ALL of the items below**, comprising the basic minimum requirements of a Project Plan, must be included and the page number(s) of all items noted. Project planning must contain all pertinent information detailed in Ill. Adm. Code 35 Section 662.320(e). The loan applicant should be familiar with their planning responsibilities as detailed in Sections 365.320 and 365.330. **If any of the basic information is not provided, the planning documentation may be returned.**

Loan Applicant: City of Peoria, Illinois

Consulting Engineer: Mead & Hunt

Cons. Engr. Phone Number: 309-605-0305

Email: eric.carlson@meadhunt.com

Project Description:

City of Peoria Combined Sewer Overflow (CSO) Consent Decree Milestone #2 Project. The proposed projects consist of offline storage to manage CSO flow and green infrastructure to manage stormwater runoff before it enters the combined sewer system.

Fill in the blank with the page(s) where each item below is found in the project plan. Additional information and/or examples for each item number are provided by corresponding numbers contained in the attached instructions.

No.	Page(s)	Information
1.	1	Loan applicant's background, total population served by the applicant, customer base, and project location information.
2.	4-7	Detailed description of the EXISTING collection system and treatment facilities.
3.	3, 11-15	Project description that explains the need and justification of the proposed project, including the benefits of the project.
4.	1-2	Discussion of the system's compliance with all applicable laws and regulations and with existing and proposed NPDES permit limits.
5.	N/A	Information regarding an anti-degradation analysis for a new or modified NPDES Permit (if applicable). Only applicable to certain treatment plant projects.
6.	27-28	Inventory of environmental impacts from the chosen alternative and a discussion of the measures required during design and construction to mitigate or minimize negative environmental impacts. The discussion must address at a minimum; rare and endangered species, historic and cultural resources, prime agricultural land, air and water quality, recreational areas, wetlands, floodplains and other sensitive environmental areas. Note: The Illinois Environmental Protection Agency (Illinois EPA) Loan Applicant Environmental Checklist must be signed by the loan applicant's authorized representative and submitted to the Agency with all applicable clearances and all records of consultation documentation. The records of consultation for all necessary environmental evaluations must be provided to the Illinois EPA before a Final Planning Approval can be issued. The checklist is available at: https://epa.illinois.gov/content/dam/soi/en/web/epa/topics/grants-loans/state-revolving-fund/documents/environmental_checklist.pdf .

Attachment L Wastewater Project Planning Checklist

7.	19-26	Basis of design for chosen alternative.
8.	12-14	Cost and effectiveness analysis summary and the completed Project Planning Certification of Cost and Effectiveness Analysis certification form, found on page 4 (attached), must be submitted with the Project Plan.
9.	Att. A	Reproducible 8.5 X 11-inch map(s) showing the project(s) location(s) relative to the community.
10.	15-16	An estimate of the total project costs and a detailed estimate of construction item costs.
11.	32	Estimated loan terms, including: Illinois EPA loan amount, interest rate, repayment period in years, and the annual loan repayment.
12.	17, 32-33	Financial arrangements for assuring adequate annual debt service and O, M, and R coverage, a description of the dedicated source of revenue necessary for loan repayment, and any other funding involved in the project.
13.	29-32	Detailed description of the existing residential rate structure, water consumption, any proposed sewer rate changes, and the proposed average monthly residential sewer bill because of the project(s).
14.	Att. L	One copy of completed Existing User Charge and O, M, and R Certification Sheet found on page 3 (attached) should be submitted with the Project Plan.
15.	3, 11, 14-15, 21-26	Discussion of any "green" project components that are part of the proposed project.
16.	17-18	Schedule for project implementation.
17.	N/A	Copies of inter-governmental and/or service agreements.
18.	18	Illinois EPA construction permit status.

A Funding Nomination Form (FNF) must be submitted with the Project Plan and then annually (prior to March 31st) until a loan is issued, the project is funded by another source or canceled. The FNF's and complete instructions are available at the Illinois EPA web site at these links: <https://epa.illinois.gov/content/dam/soi/en/web/epa/topics/grants-loans/state-revolving-fund/documents/funding-nomination-form-wpc-loan.pdf>

Three (3) copies of the Project Plan and related documents should be submitted along with one (1) copy of this completed checklist (Pages 1 through 3) and one (1) copy of the completed Funding Nomination Form to:

Infrastructure Financial Assistance Section (IFAS)
 Illinois Environmental Protection Agency
 2520 West Iles Avenue
 P.O. Box 19276
 Springfield, Illinois 62794

IFAS will distribute the planning documents to the appropriate Agency staff for review, comment, and approval. IFAS will contact the loan applicant if further information is needed.

Please use the box below for any special instructions or notes.



Illinois Environmental Protection Agency

2520 West Iles Avenue • P.O. Box 19276 • Springfield, Illinois • 62794-9276 • 217-782-3397

JB Pritzker, Governor

James Jennings, Acting Director

Water Pollution Control Loan Program (WPCLP) Project Planning Certification of Cost and Effectiveness Analysis

Loan Applicant: City of Peoria, Illinois

Project No. _____

Section 602(b)(13) of the federal Water Pollution Control Act requires all public loan recipients to complete a cost and effectiveness analysis prior to receiving a loan for wastewater-related projects from the State Revolving Fund (SRF).

Please verify that both requirements 1 and 2 have been met by checking the boxes below. The form must be signed by the loan applicant's authorized representative, and the professional engineer who completed the analysis on behalf of the loan applicant, as applicable.

- 1. Loan applicant has studied and evaluated the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under the Illinois Water Pollution Control Loan Program (WPCLP).
- 2. Loan applicant has selected, to the maximum extent practicable, a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation taking into account the following:
 - a) The cost of constructing the project or activity;
 - b) The cost of operating and maintaining the project or activity over the life of the project or activity; and
 - c) The cost of replacing the project or activity.

We certify that both requirements checked above have been completed for the project. To the best of my knowledge, this information is true and correct.

Loan Applicant's Authorized Representative	
Kimberly Richardson	Acting City Manager
Printed Name	Title
	11/24/2025
Signature	Date
Professional Engineer (P.E.)	
Eric Carlson	Project Engineer
Printed Name	Title
	11/24/2025
Signature	Date

**Attachment L Wastewater Project Planning Checklist
Proposed User Rate Increases for
Existing User Charge and O,M, and R Certification Sheet**

Year	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
GPSD Costs Charged to All	\$22	\$22	\$22	\$22	\$22	\$22	\$22	\$22	\$22	\$22
Peoria Lateral Rate	\$24	\$25	\$26	\$26	\$27	\$27	\$28	\$29	\$30	\$30
Rehab CSO Rate	\$23	\$24	\$24	\$24	\$24	\$24	\$27	\$33	\$38	\$40
Average Household Quarterly Cost	\$69	\$71	\$71	\$72	\$73	\$73	\$77	\$84	\$90	\$93