

Year 3 Combined Sewer Overflow Control Project

Information Meeting

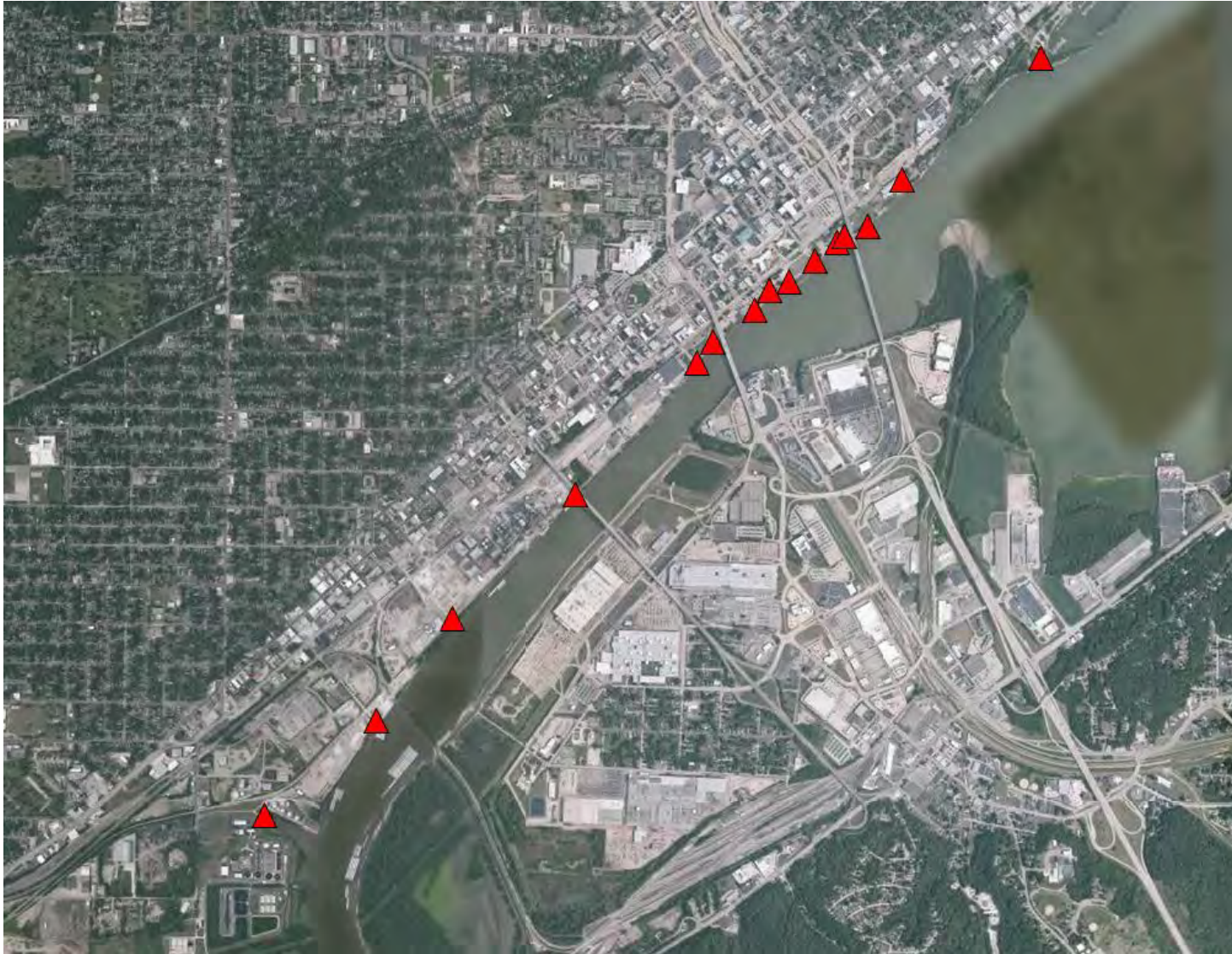
June 5, 2023



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Definitions



Combined Sewer



Combined Sewer
Overflow (CSO)



Green Infrastructure
(GI)



Consent Decree to Reduce CSO Discharges

- In December 2020, the City entered into a Consent Decree with U.S. EPA **to reduce CSO discharges** to the Illinois River
- **18-year implementation period**
 - Starting January 2022
 - Ending December 2039



Projects to Achieve CSO Goals



City has **flexibility to implement a variety of projects**



Green infrastructure is cost effective in specific areas and will be utilized as the **preferred method of CSO control**

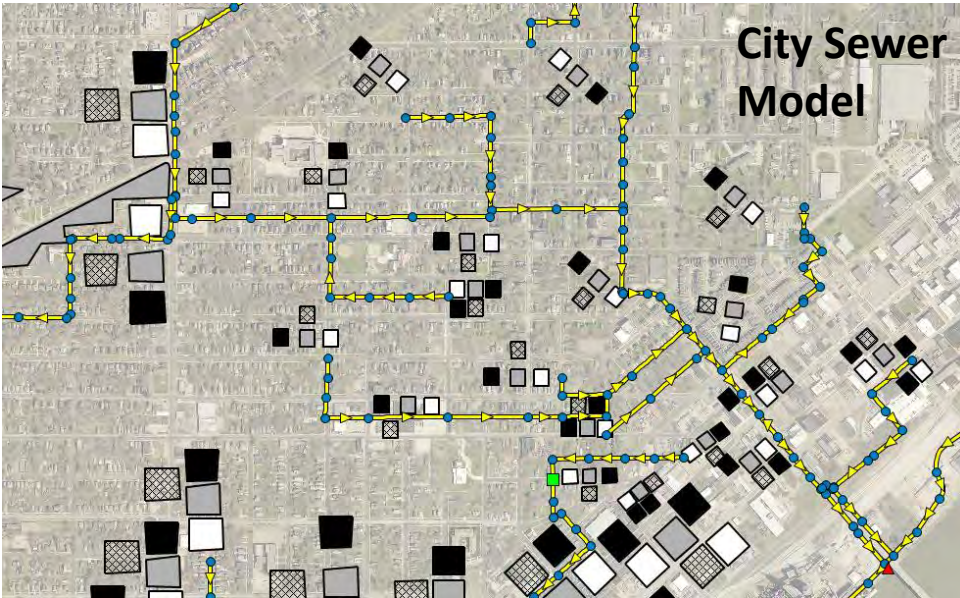


When GI is not the most cost-effective solution below ground storage will be utilized



Flow monitoring will be used to ensure projects are sized and located appropriately





How Project Locations Were Determined



Inlet locations – low point where water goes, GI needs to capture flow before it gets to inlet



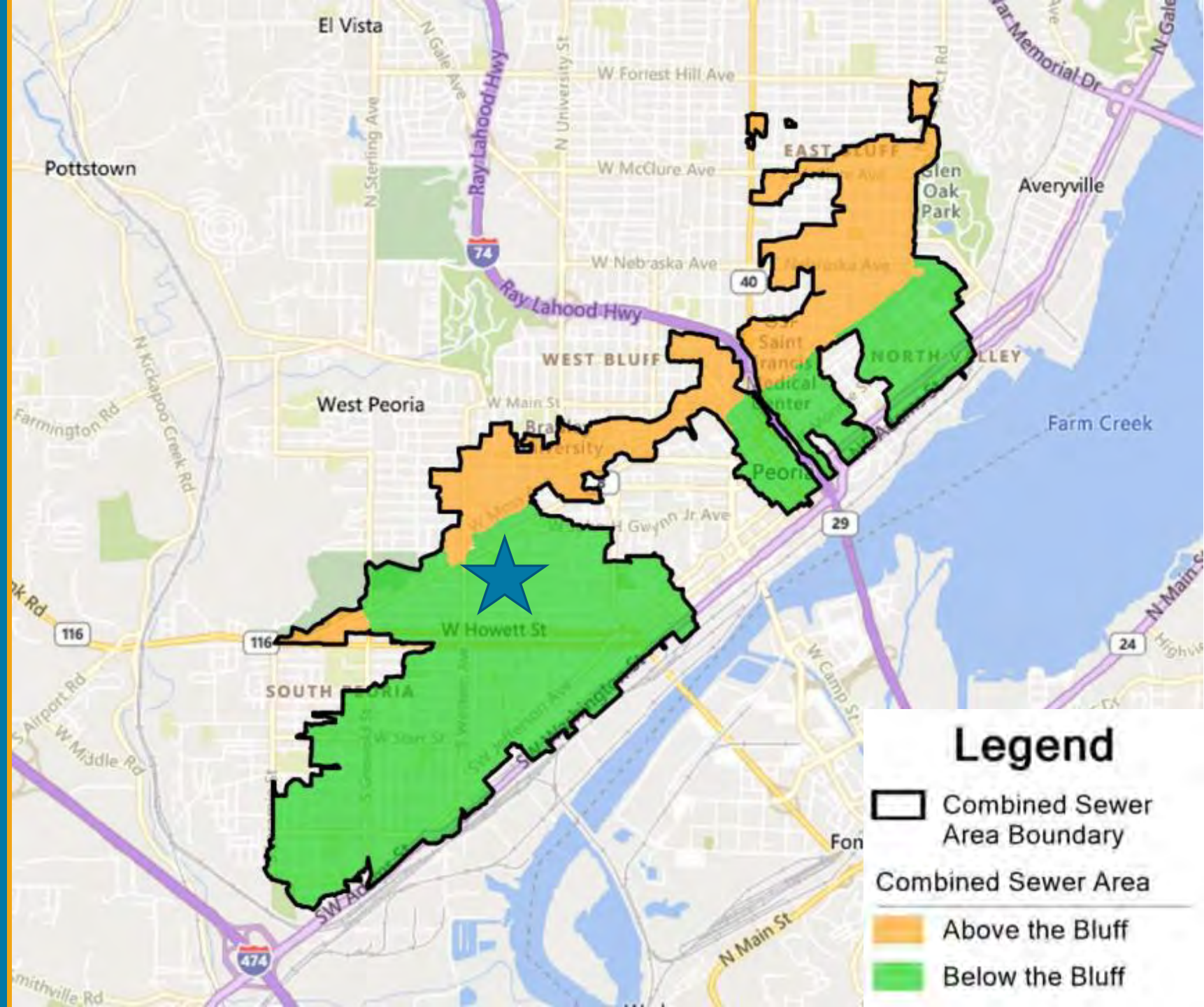
Infiltration tests – used to determine the most suitable locations for GI



City's sewer model – used to determine the size of GI needed at each location

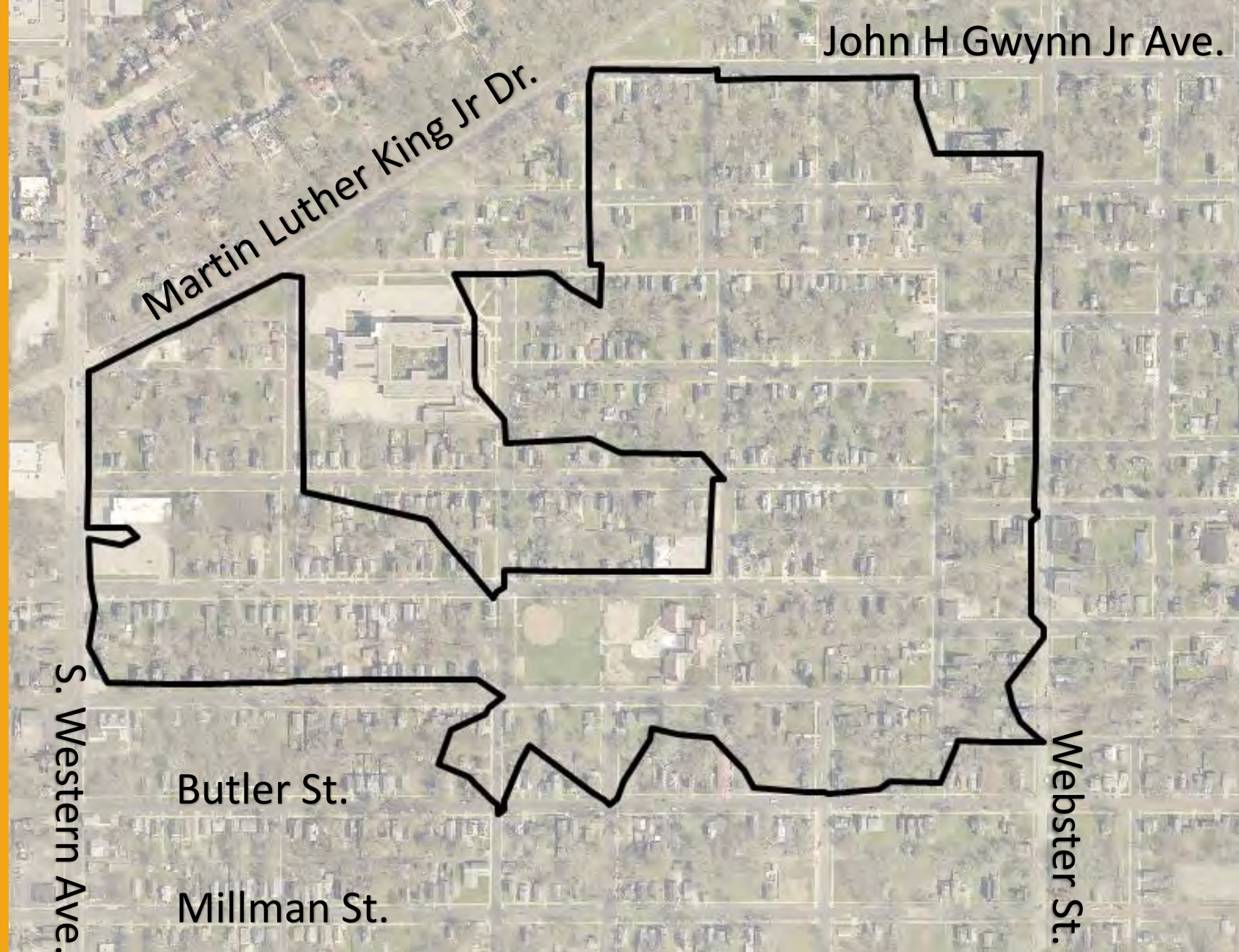
Location of Projects

- In the combined sewer area (black outline),
- Below the bluff (green shading), and
- In the existing right-of-way

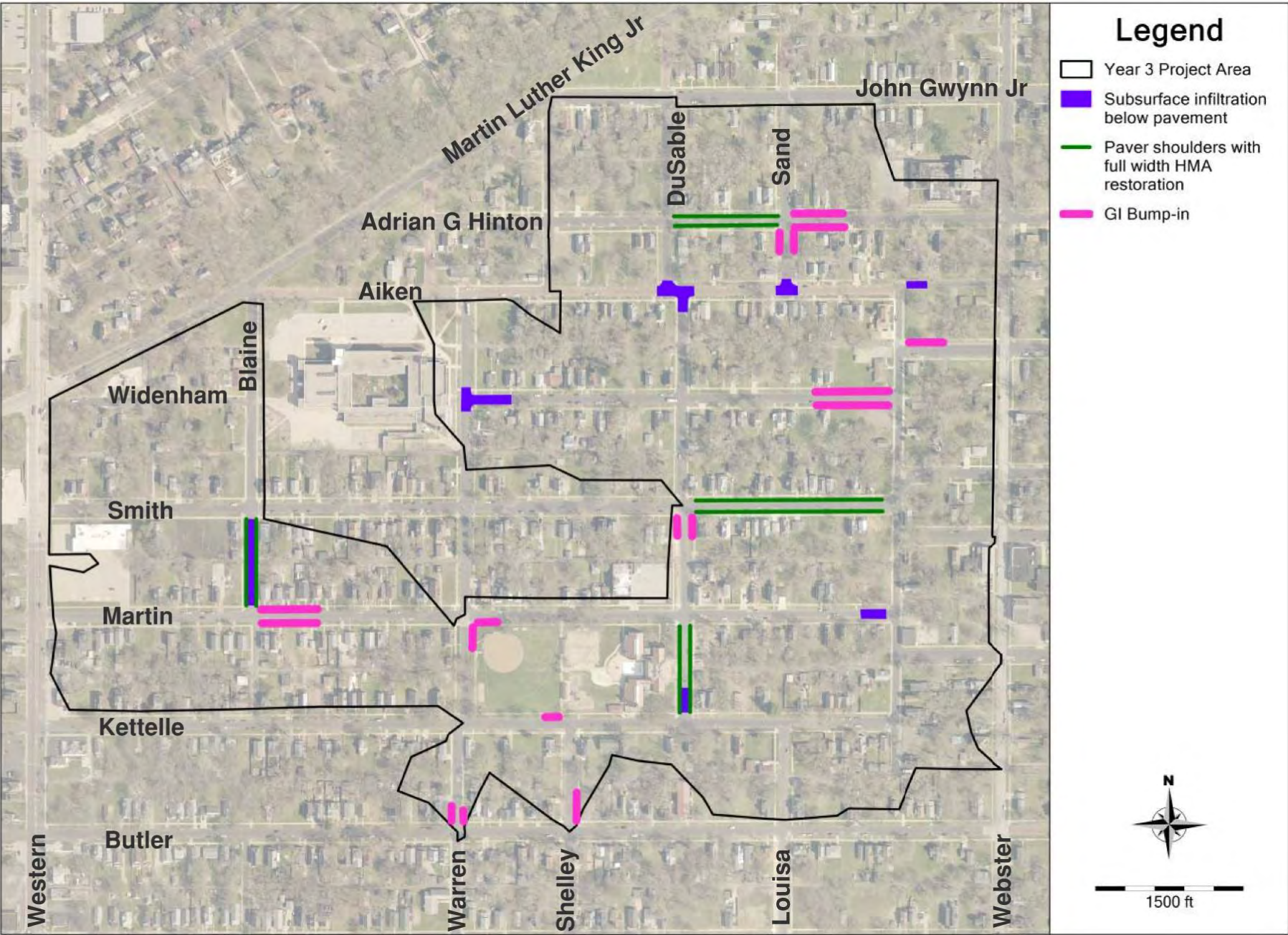


Year 3 Project Area

- Green infrastructure to reduce stormwater flow to the sewer
- Will reduce CSO discharges to the Illinois River



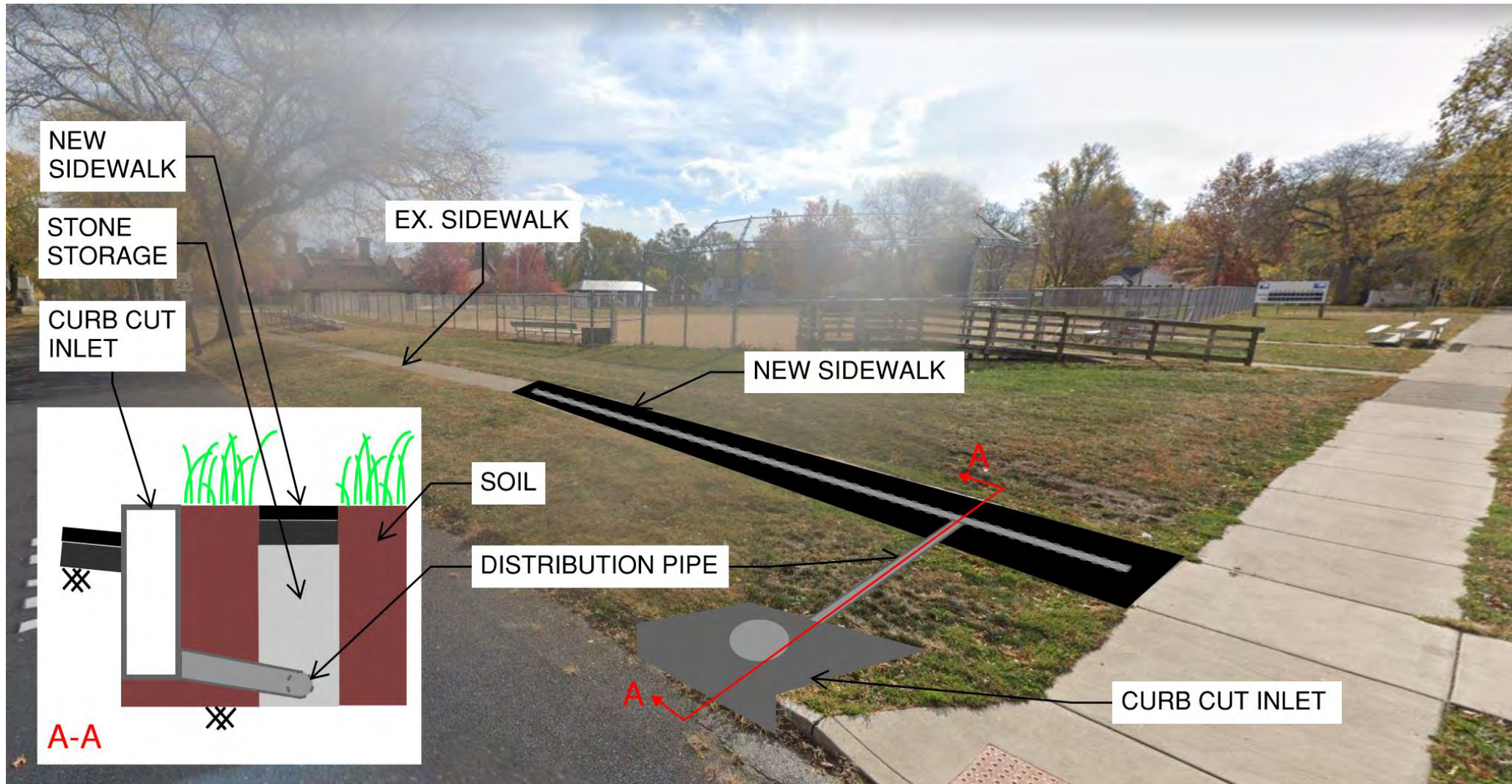
Year 3 Preliminary Project Layout



Year 3 Types of Projects – Permeable Pavement



Year 3 Types of Projects – Bump-ins





Next Steps

- **Fall 2023** Submitting design documents to the Illinois EPA
- **Spring 2024** Construction begins



Questions



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Learn More

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