

Year 2 Combined Sewer Overflow Control Project

Information Meeting

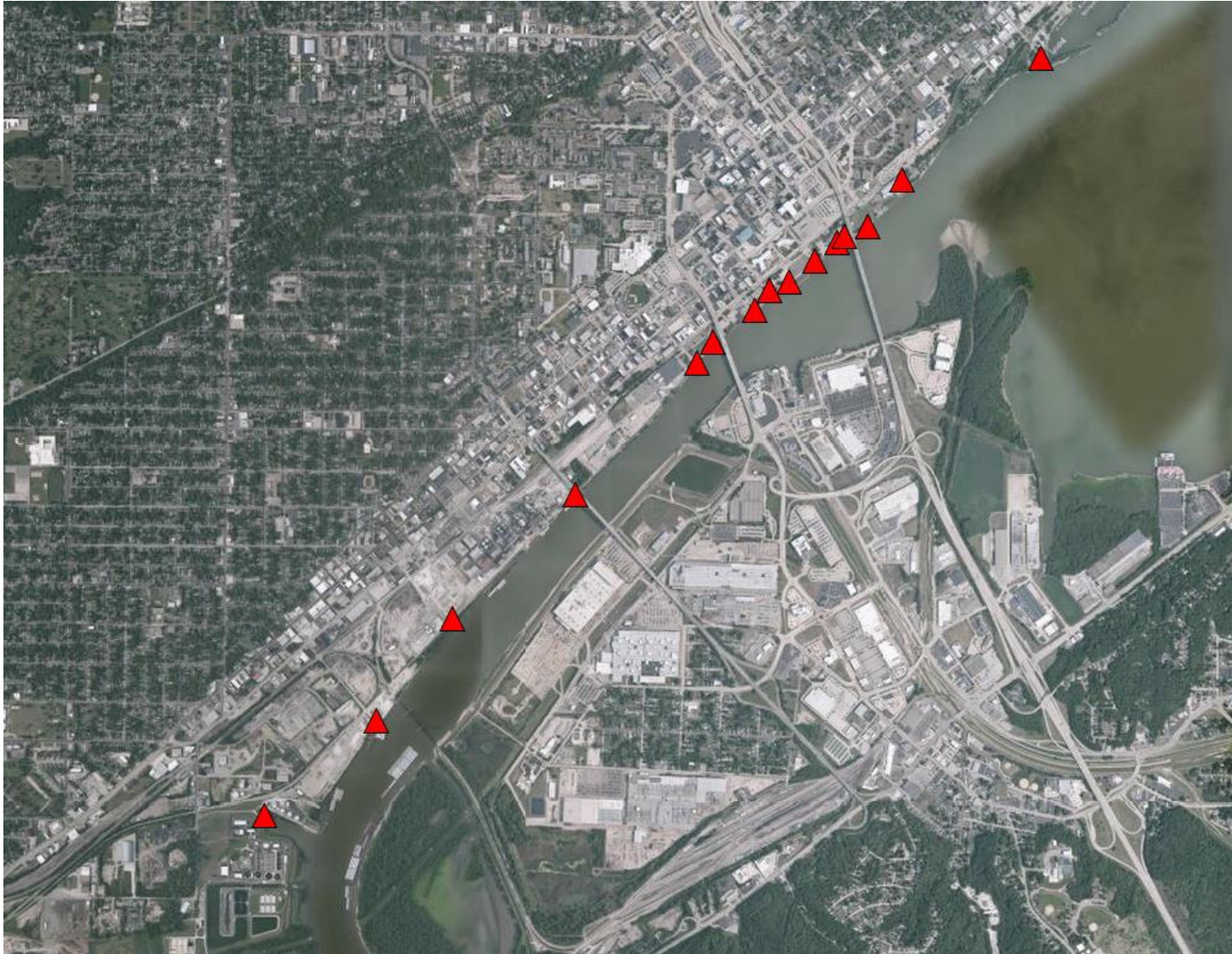
August 16, 2022



CITY OF

PEORIA





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**



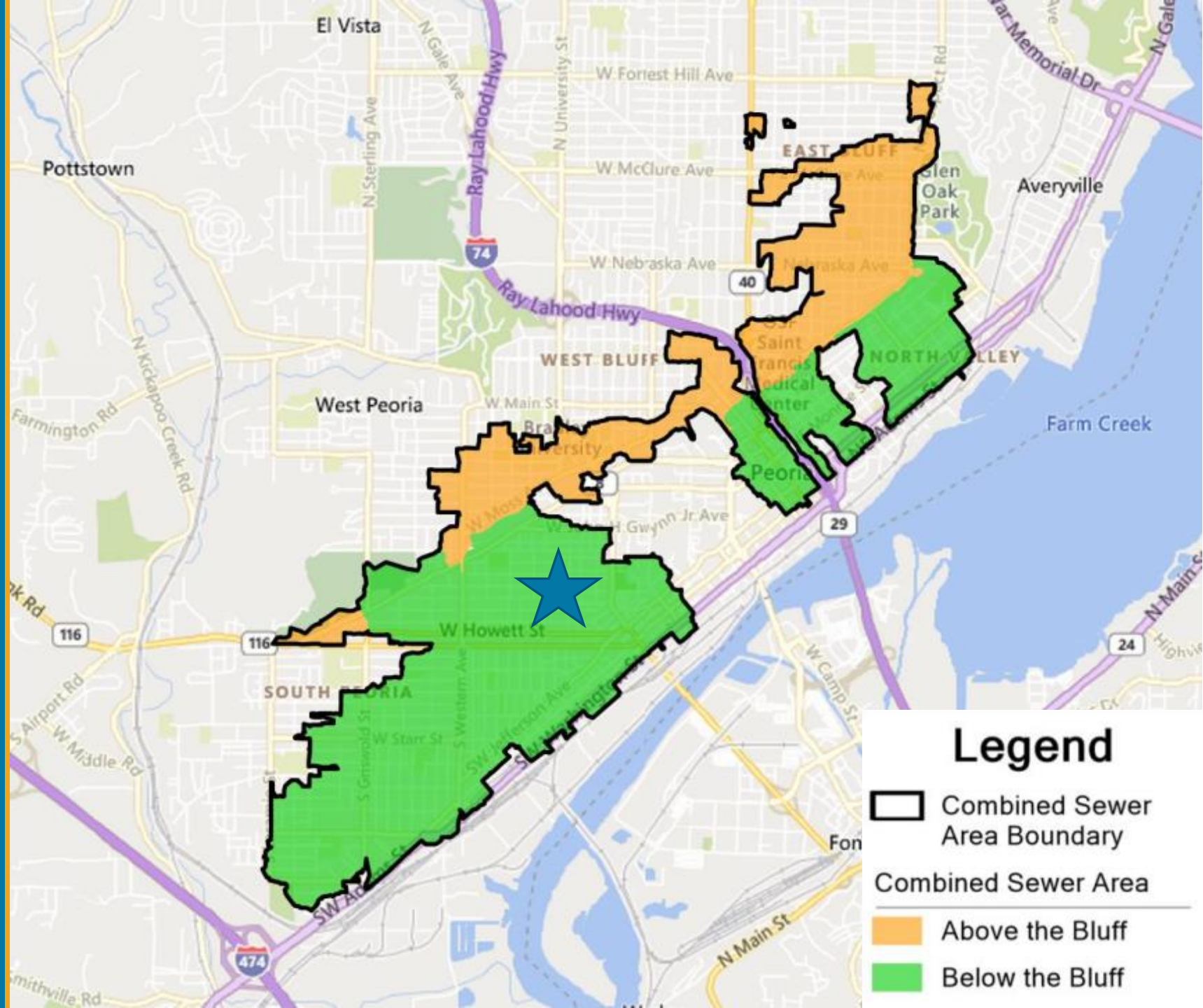
When GI is not the most cost-effective solution below ground storage will be utilized



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

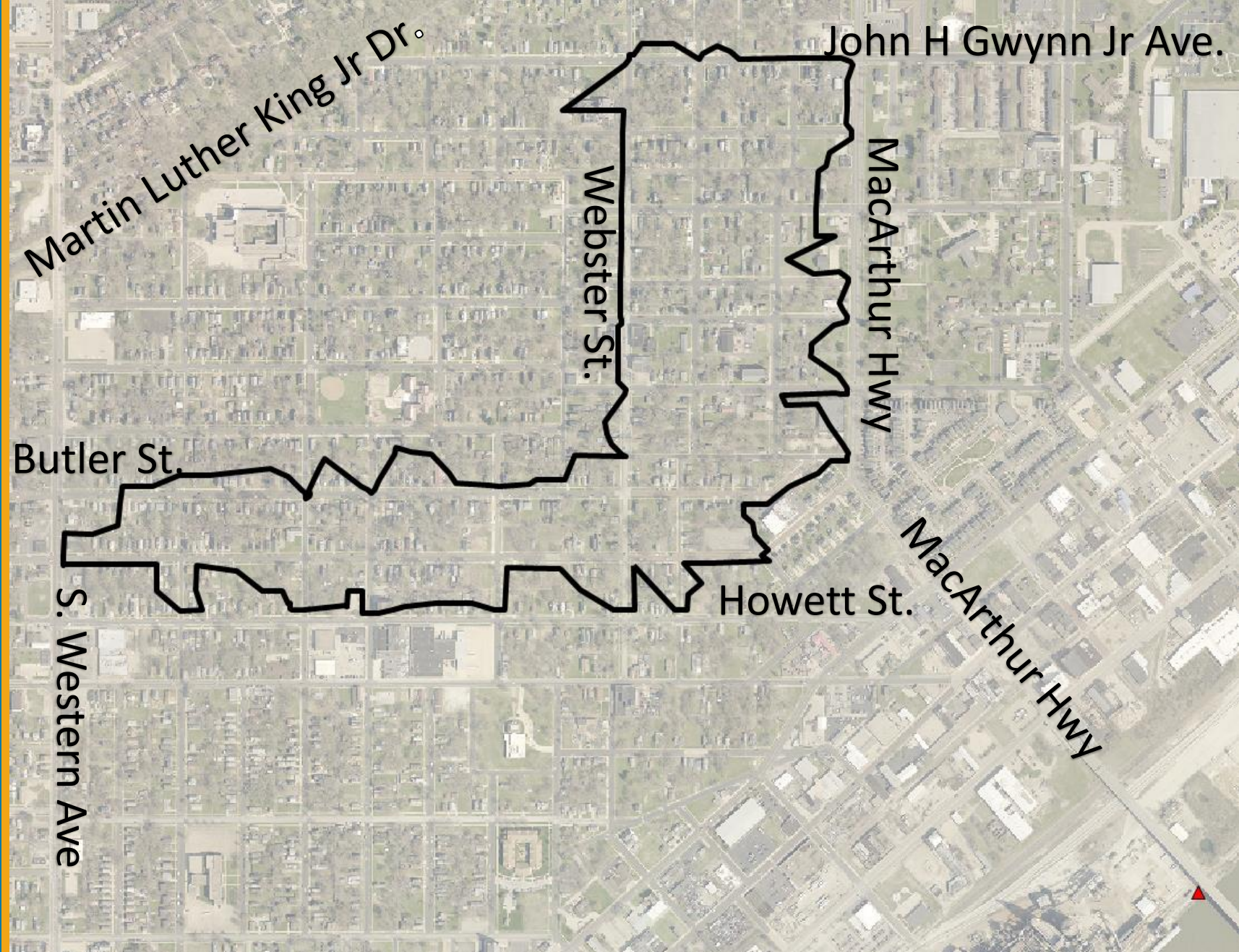
Location of Projects

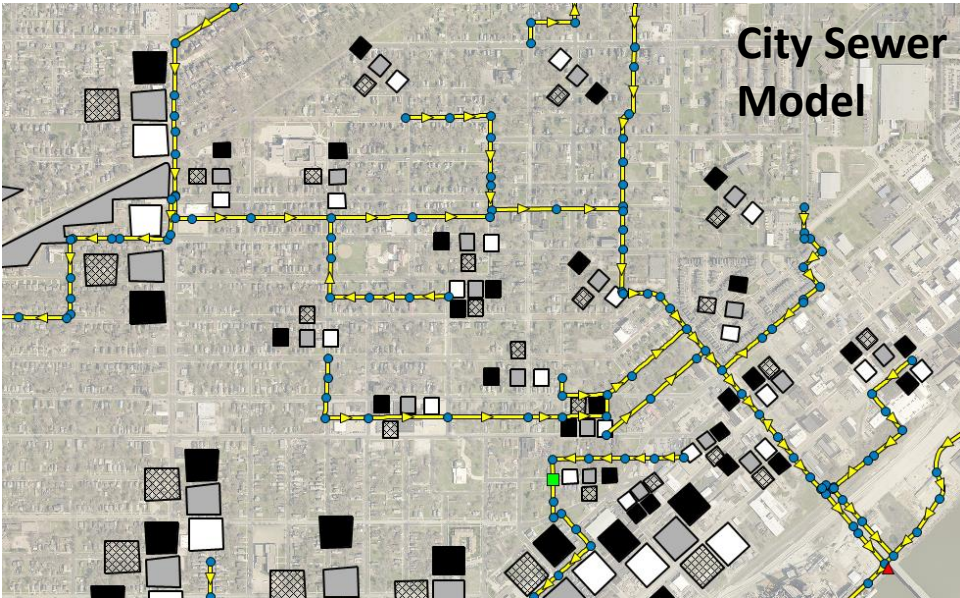
- In the combined sewer area (black outline),
- Below the bluff (green shading), and
- In the existing right-of-way



Year 2 Project Area

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





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

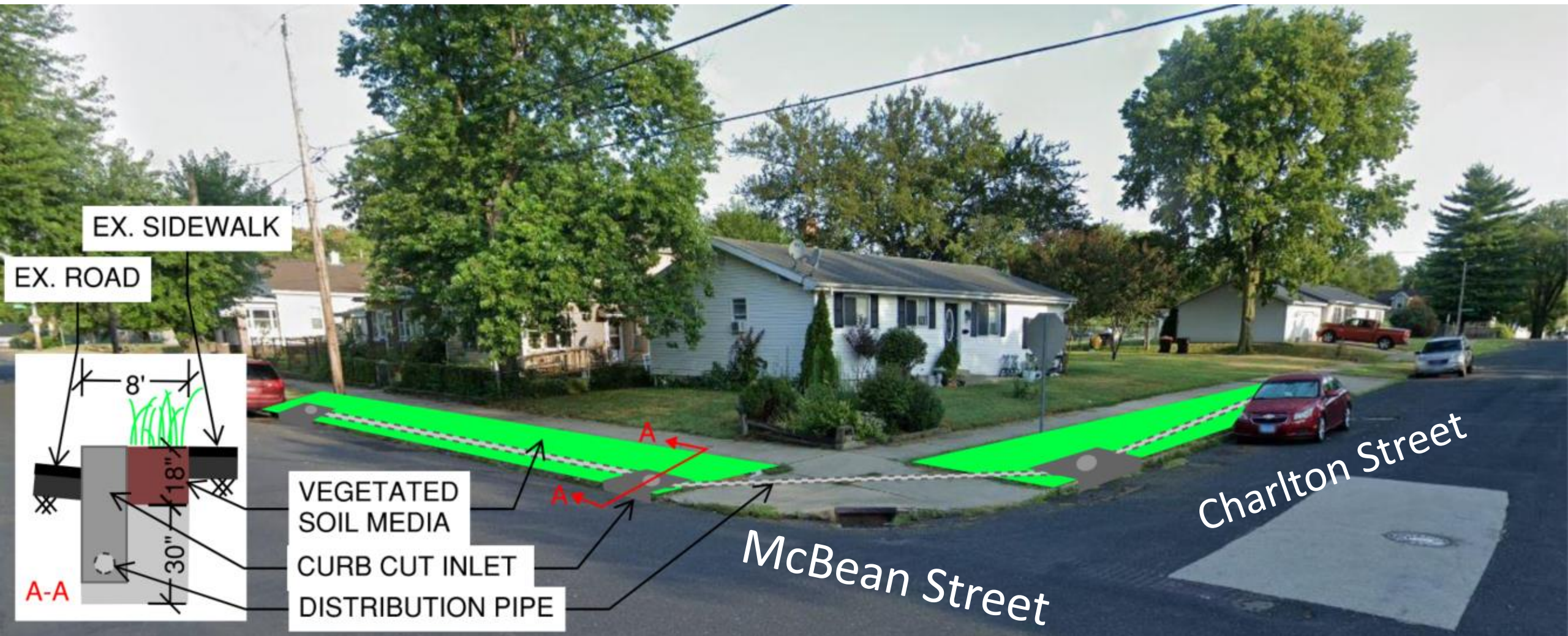


City's sewer model – used to determine the size of GI needed at each location

Year 2 Types of Projects – Permeable Pavement

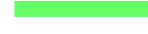


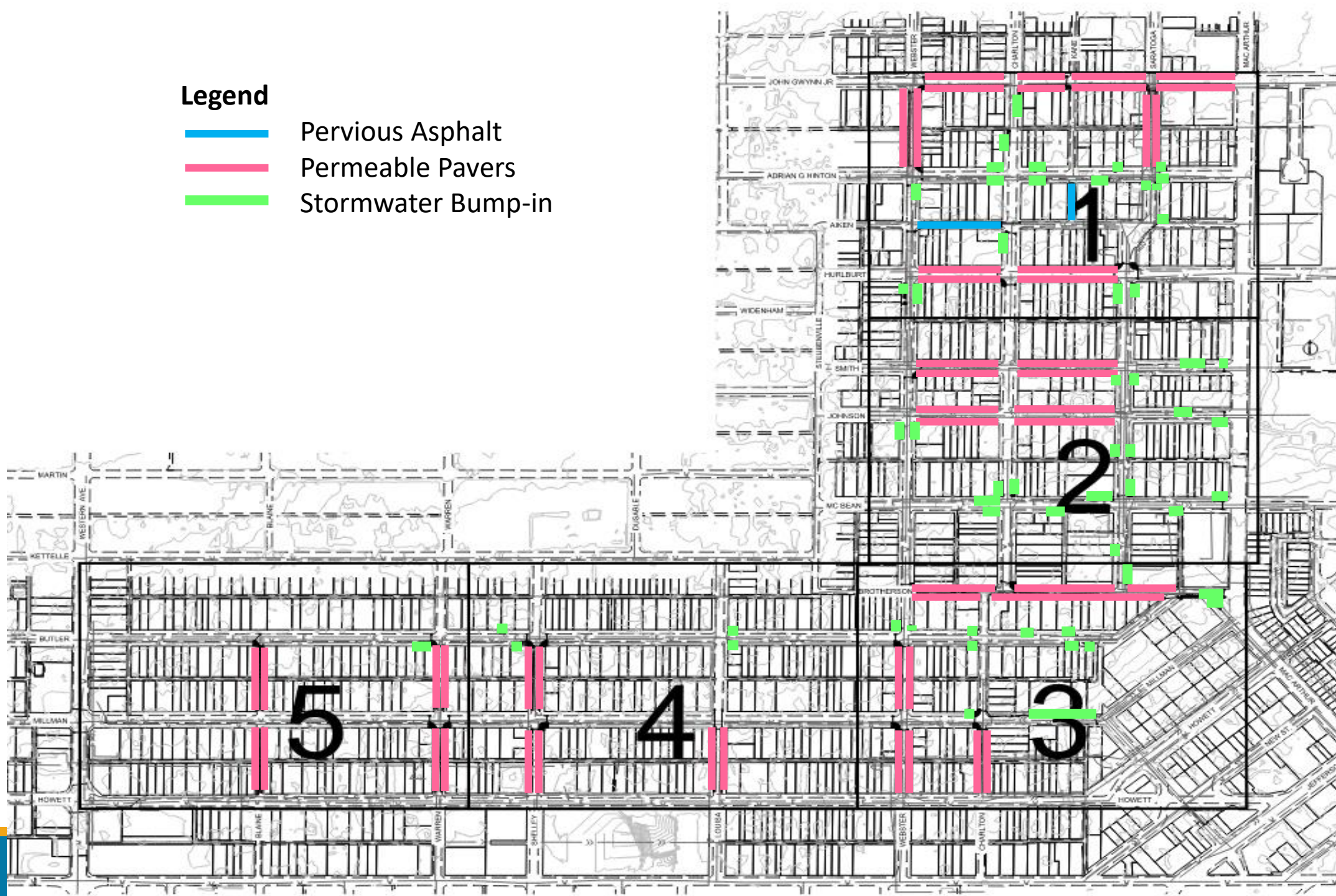
Year 2 Types of Projects – Bump-ins



Year 2 Project Layout

Legend

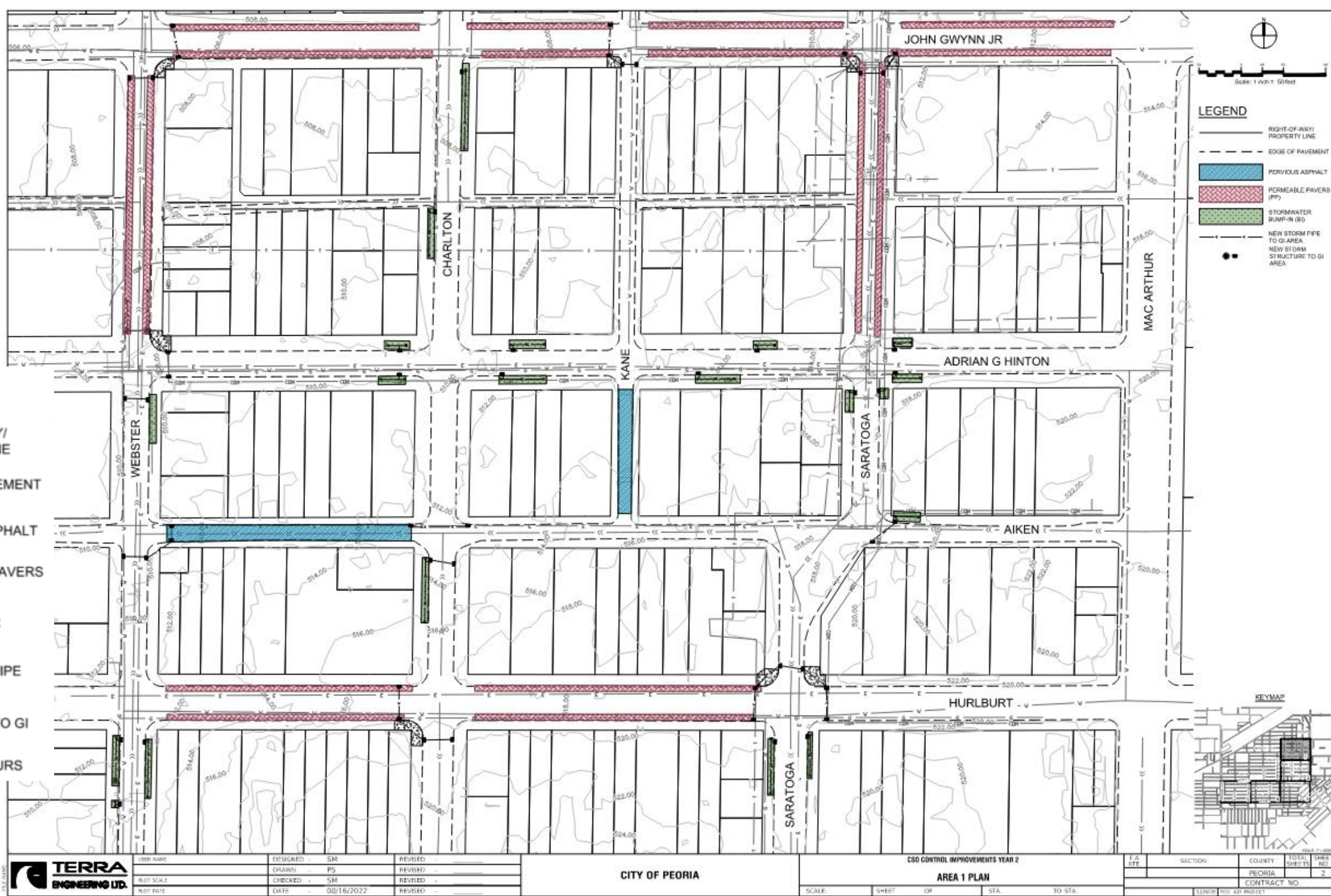
-  Pervious Asphalt
-  Permeable Pavers
-  Stormwater Bump-in



Year 2 Project Layout

LEGEND

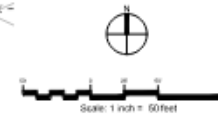
- RIGHT-OF-WAY/
PROPERTY LINE
- EDGE OF PAVEMENT
- PERVIOUS ASPHALT
- PERMEABLE PAVERS
(PP)
- STORMWATER
BUMP-IN (BI)
- NEW STORM PIPE
TO GI AREA
- NEW STORM
STRUCTURE TO GI
AREA
- TOPO CONTOURS



Year 2 Project Layout

LEGEND

- RIGHT-OF-WAY/
PROPERTY LINE
- EDGE OF PAVEMENT
- PERVIOUS ASPHALT
- PERMEABLE PAVERS
(PP)
- STORMWATER
BUMP-IN (BI)
- NEW STORM PIPE
TO GI AREA
- NEW STORM
STRUCTURE TO GI
AREA
- TOPO CONTOURS



LEGEND

- RIGHT-OF-WAY/
PROPERTY LINE
- EDGE OF PAVEMENT
- PERMEABLE PAVERS
(PP)
- STORMWATER
BUMP-IN (BI)
- NEW STORM PIPE
TO GI AREA
- NEW STORM
STRUCTURE TO GI
AREA



	USER NAME	DESIGNED - SM	REVISED	CITY OF PEORIA	CSO CONTROL IMPROVEMENTS YEAR 2				F.A. RTT	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	NOT SCALE	DRAWN - PS	REVISED		AREA 2 PLAN						PEORIA		3
	NOT DATE	CHECKED - SM	REVISED		SCALE: SHEET OF STA. TO STA.						CONTRACT NO.		
		DATE - 08/16/2022	REVISED		SURVEY FOR AID PROJECT								



Year 2 Project Layout

LEGEND

- RIGHT-OF-WAY/
PROPERTY LINE
- EDGE OF PAVEMENT
- PERVIOUS ASPHALT
- PERMEABLE PAVERS
(PP)
- STORMWATER
BUMP-IN (BI)
- NEW STORM PIPE
TO GI AREA
- NEW STORM
STRUCTURE TO GI
AREA
- TOPO CONTOURS



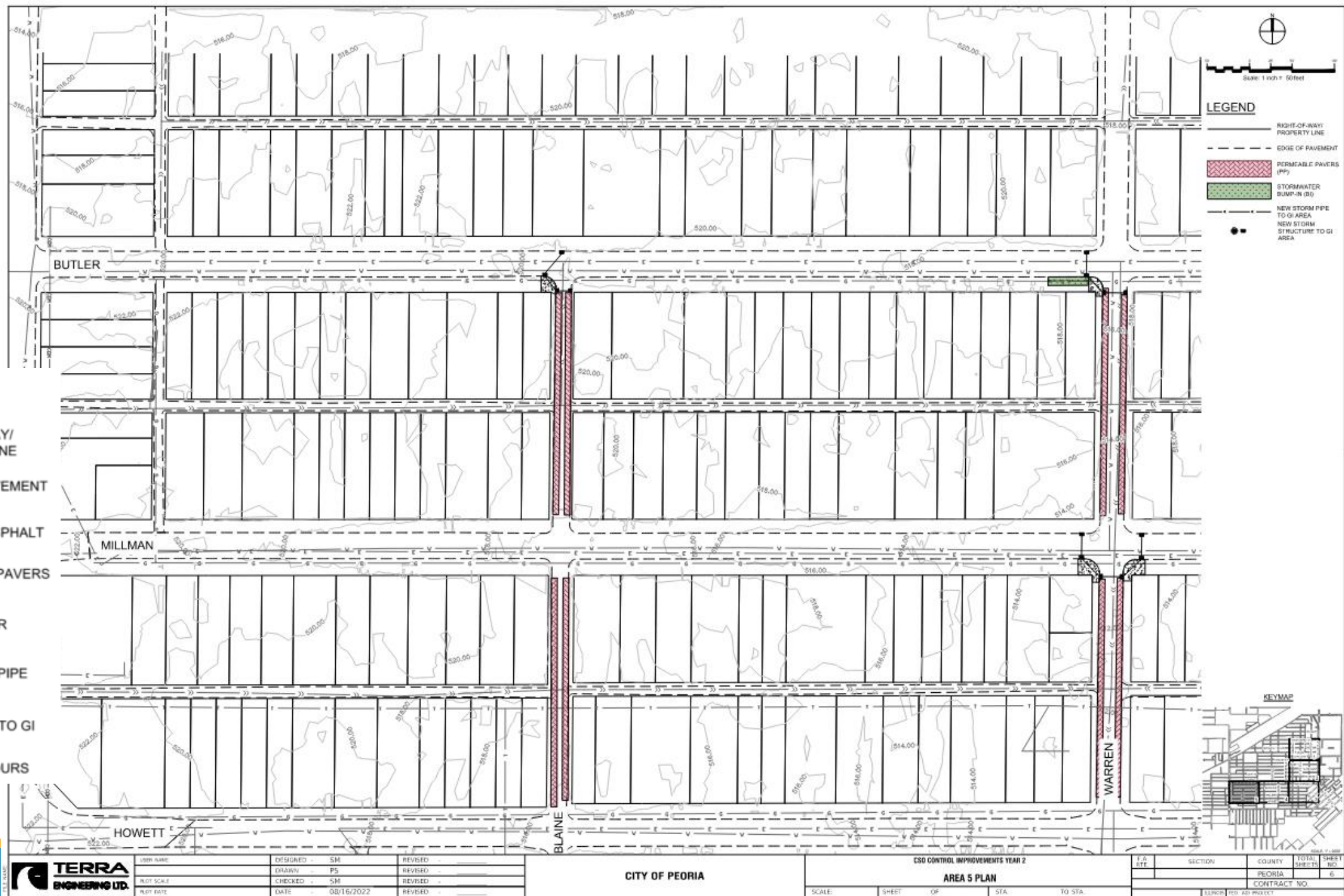
Year 2 Project Layout

LEGEND

- RIGHT-OF-WAY/
PROPERTY LINE
- EDGE OF PAVEMENT
- PERVIOUS ASPHALT
- PERMEABLE PAVERS
(PP)
- STORMWATER
BUMP-IN (BI)
- NEW STORM PIPE
TO GI AREA
- NEW STORM
STRUCTURE TO GI
AREA
- TOPO CONTOURS

LEGEND

- RIGHT-OF-WAY/
PROPERTY LINE
- EDGE OF PAVEMENT
- PERMEABLE PAVERS
(PP)
- STORMWATER
BUMP-IN (BI)
- NEW STORM PIPE
TO GI AREA
- NEW STORM
STRUCTURE TO GI
AREA





Next Steps

- **Fall 2022** Submitting design documents to the Illinois EPA
- **Spring 2023** Construction begins



Questions



Learn More

PeoriaCSO.com

CSO Program Manager – Greg Myroth, P.E.

309.249.8269

greg.myroth@symbiontengineer.com

Deputy Director – City Engineer – Andrea Klopfenstein, P.E.

309.494.8816

aklopfenstein@peoriagov.org

City of Peoria Public Works

309.494.8800

publicworks@peoriagov.org