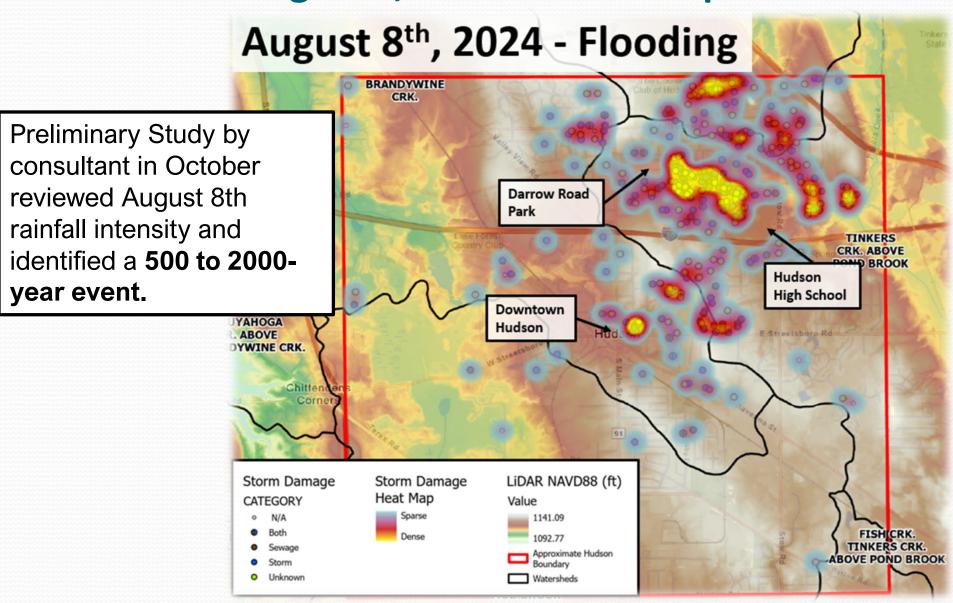
August 8, 2024 Post Event "Neighborhood" Flood Studies

April 22, 2025 – Hudson Engineering Department Summary

August 8, 2024 Flood Recap

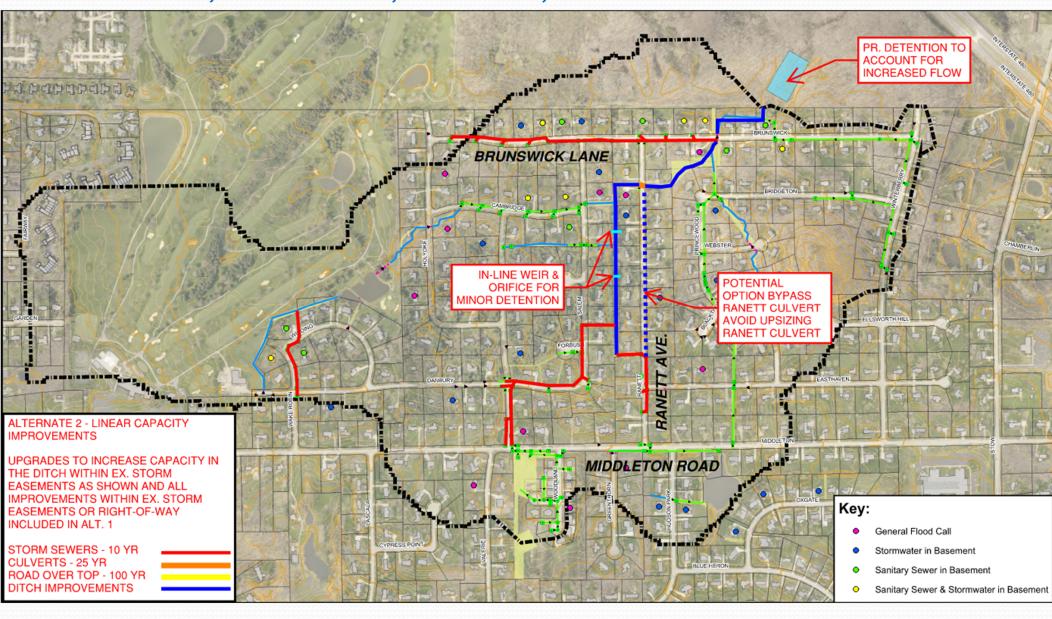


"Neighborhood" Storm Water Studies

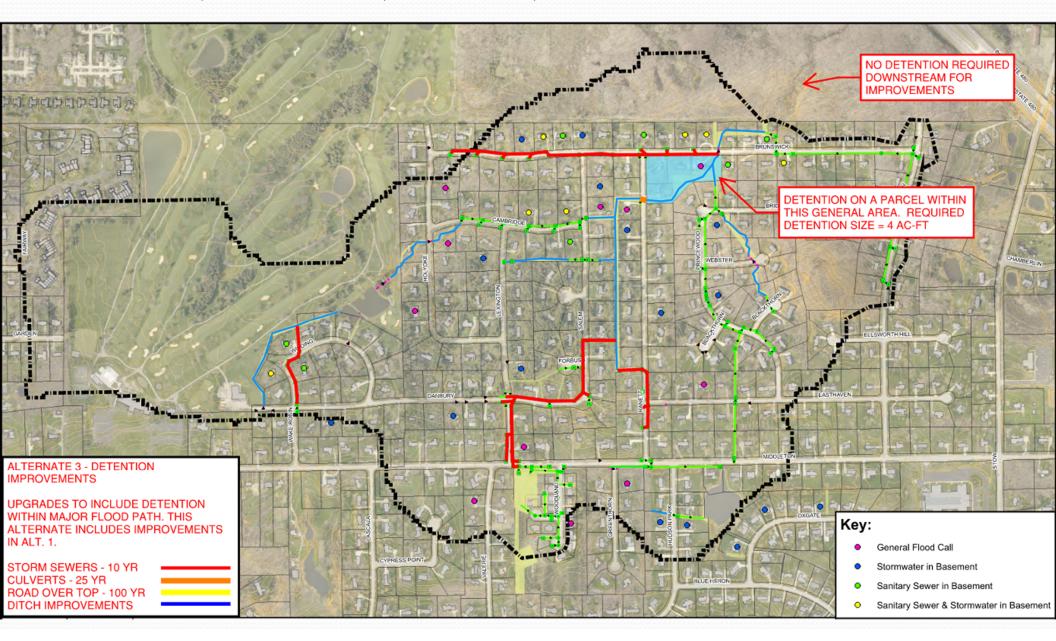
- Goal: Expatiate evaluation to find potential improvements that could be moved into design and budgeting.
- Goal: Use existing GIS data (catch basin elevations, pipe sizes, contours and resident input) in order to expedite evaluations.
- Goal: Where possible, use existing, digital, hydraulic model data.
- Goal: Focus on identifying undersized storm pipes and potential for storm water storage in existing open spaces.
- Four (4) neighborhoods studied.

"Neighborhood" Study Areas PINE TRAILS* Neighborhood RANETT AVE. Study Area 1 MIDDLETON ROAD WESTERN RESERVE Neighborhood RANCH Est WESTERN RESERVE EDGEVIEW DR. Study Area 2 RANCH EST. HUDSON PARK ESTATES* Neighborhood IVY HILL ESTATES ' Study Area 3 HUDSON AUROFA ROAD WHITE HORSE WOODS OF ACRES* JESSE DR **OHIO TURNPIKE** TINKERS CREEK BRANDYWINE CREEK WATERSHED WATERSHED WRA COMPREHENSIVE STUDY COMPREHENSIVE STUDY STARTS IN MAY, 2025 UPDATE STARTS IN JULY, 2025 DARROW ROAD (SR 91) Neighborhood * Indicates area of storm MIDDLE Study Area 4 water system or SCHOOL neighborhood included in upcoming comprehensive storm water study. Not all E. STREETSBORO ST (SR 303) neighborhoods labeled due to map scale.

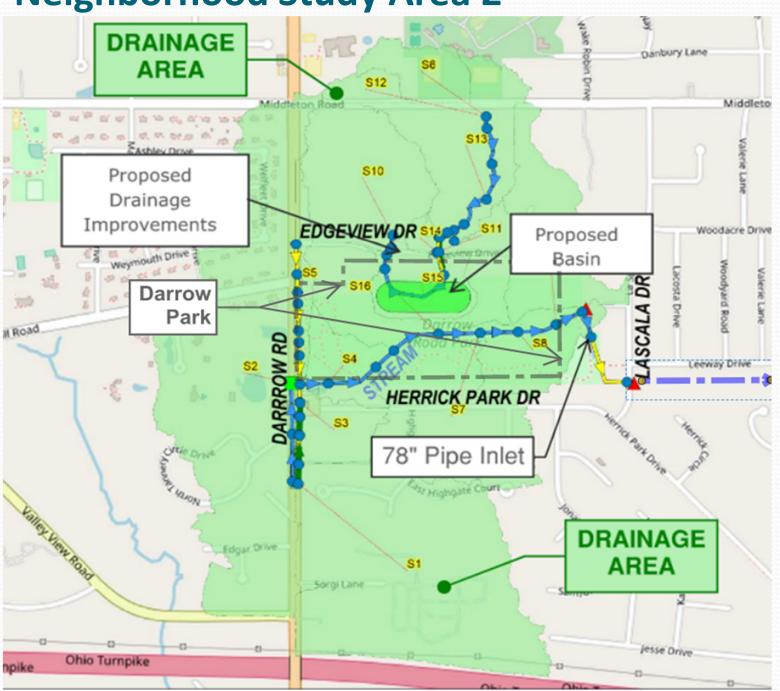
Middleton Rd, Brunswick Ln, Ranett Ave, Salem Dr Area:



Middleton Rd, Brunswick Ln, Ranett Ave, Salem Dr Area:



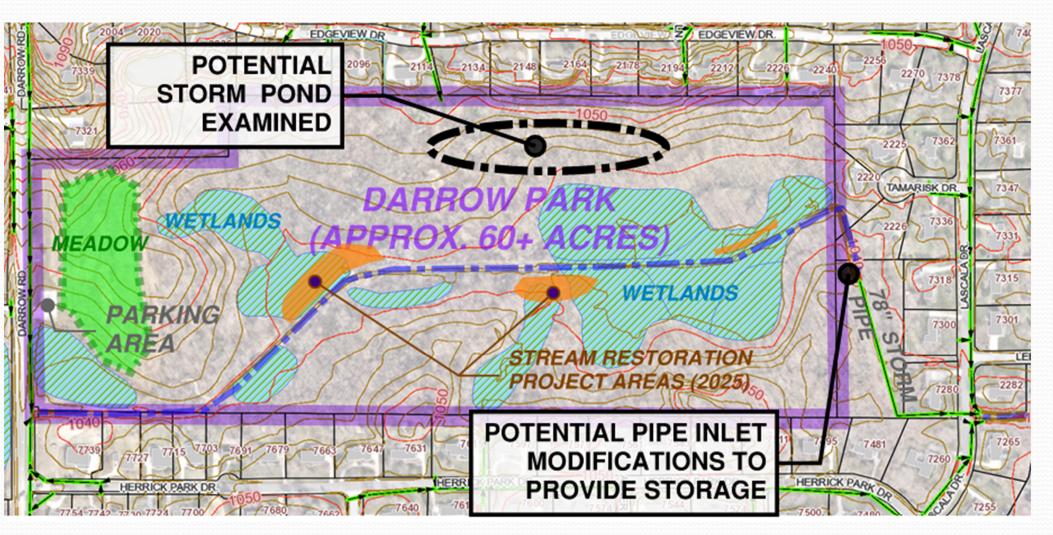
Edgeview Dr (west) and Darrow Park



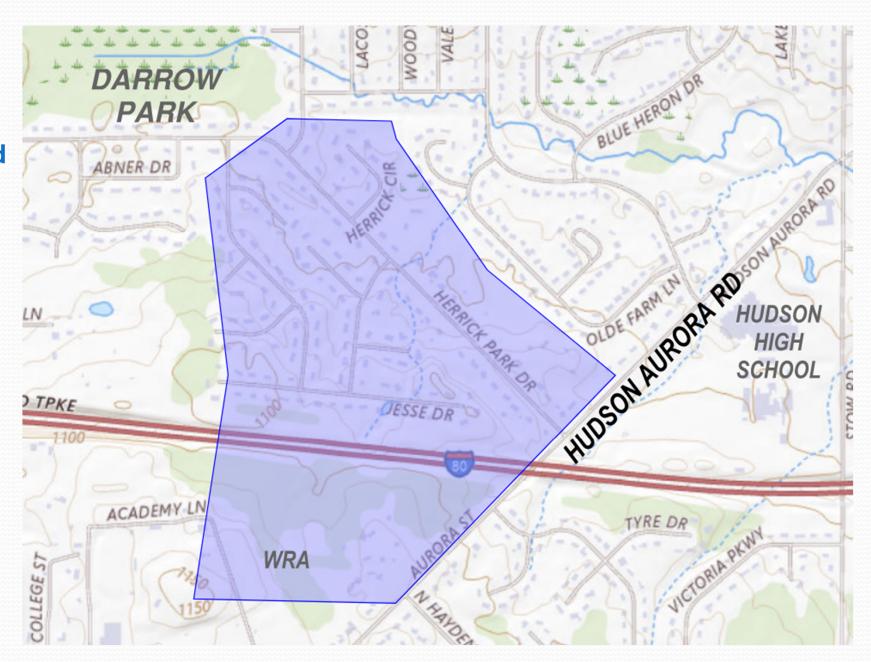
Edgeview Drive, westerly Ditch/Culvert Analysis



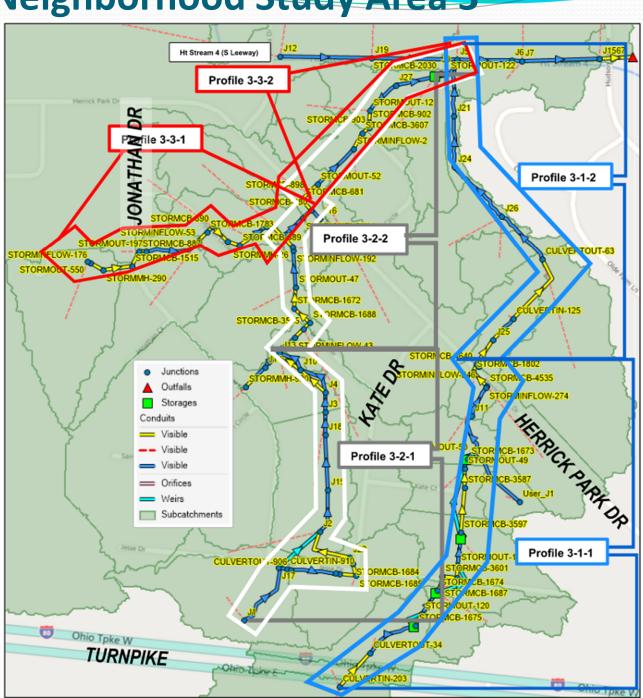
Potential Darrow Park Improvements



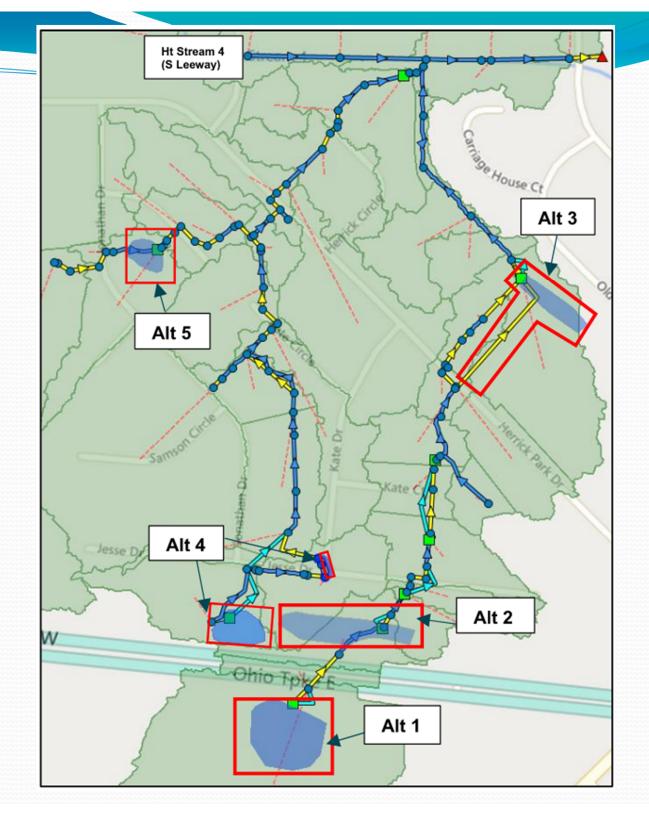
Woods of
Western
Reserve
Neighborhood



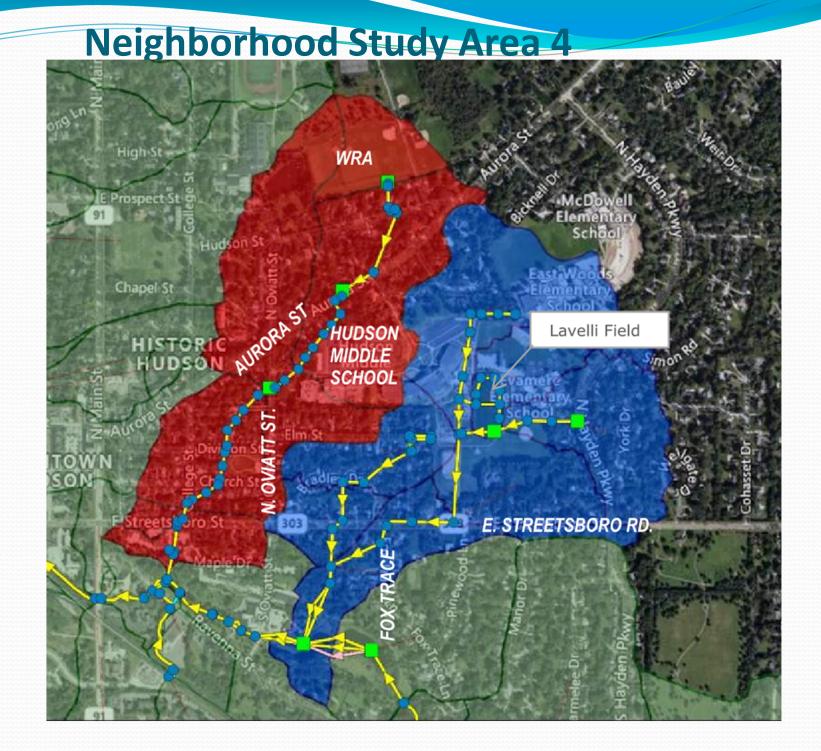
Woods of Western Reserve Neighborhood – Three Main Storm Branches



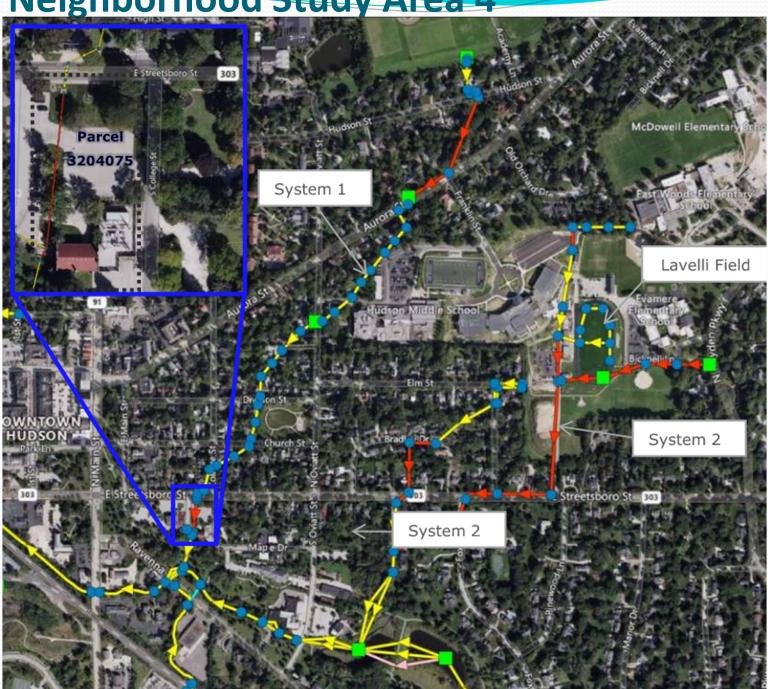
Woods of Western
Reserve
Neighborhood –
Potential Areas for
Storm Water
Management



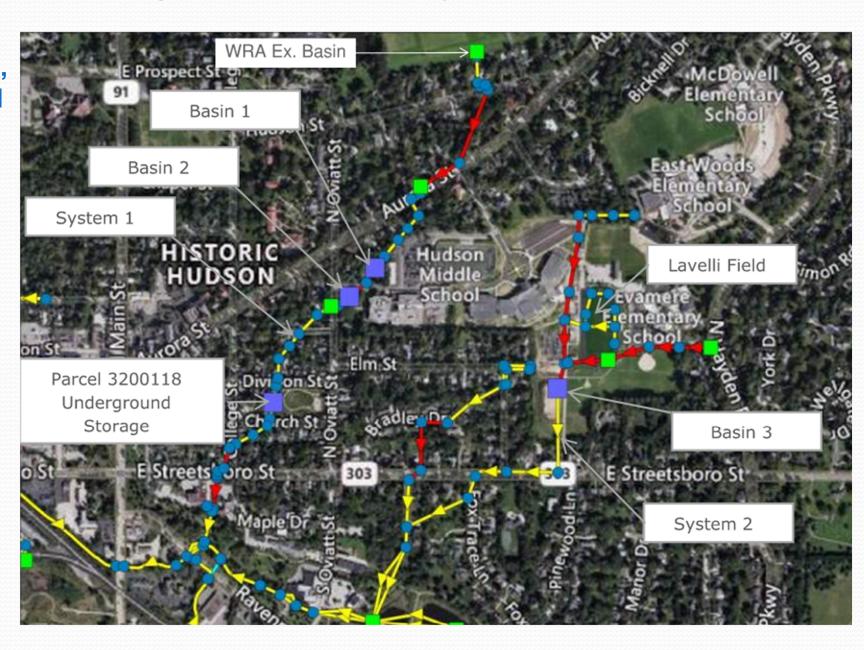
Historic
Neighborhood,
Middle School
Campus and
Surrounding
Streets



Historic Neighborhood, **Middle School Campus and Surrounding** Streets - Storm **Systems Analyzed**



Historic
Neighborhood,
Middle School
Campus and
Surrounding
Streets –
Potential
Storm Water
Management



Next Steps

- Commence with preliminary design and budgeting development of improvements identified to have immediate flood reduction benefits.
 - Example: Pipe Upgrade at Rosewood Grill Parking Lot
- Contact potential partners, such as schools, for input on using property for storm water management.
 - Example: Middle School Open Space north of 303
- Use findings from studies in comprehensive studies in 2025.
 Develop cost/benefit for projects in order to rank and develop long-term improvements that will maximize flood reduction.