



Near West Watershed Study Solutions

City of Madison Engineering Division
Board of Park Commissioners Meeting
October 8, 2025

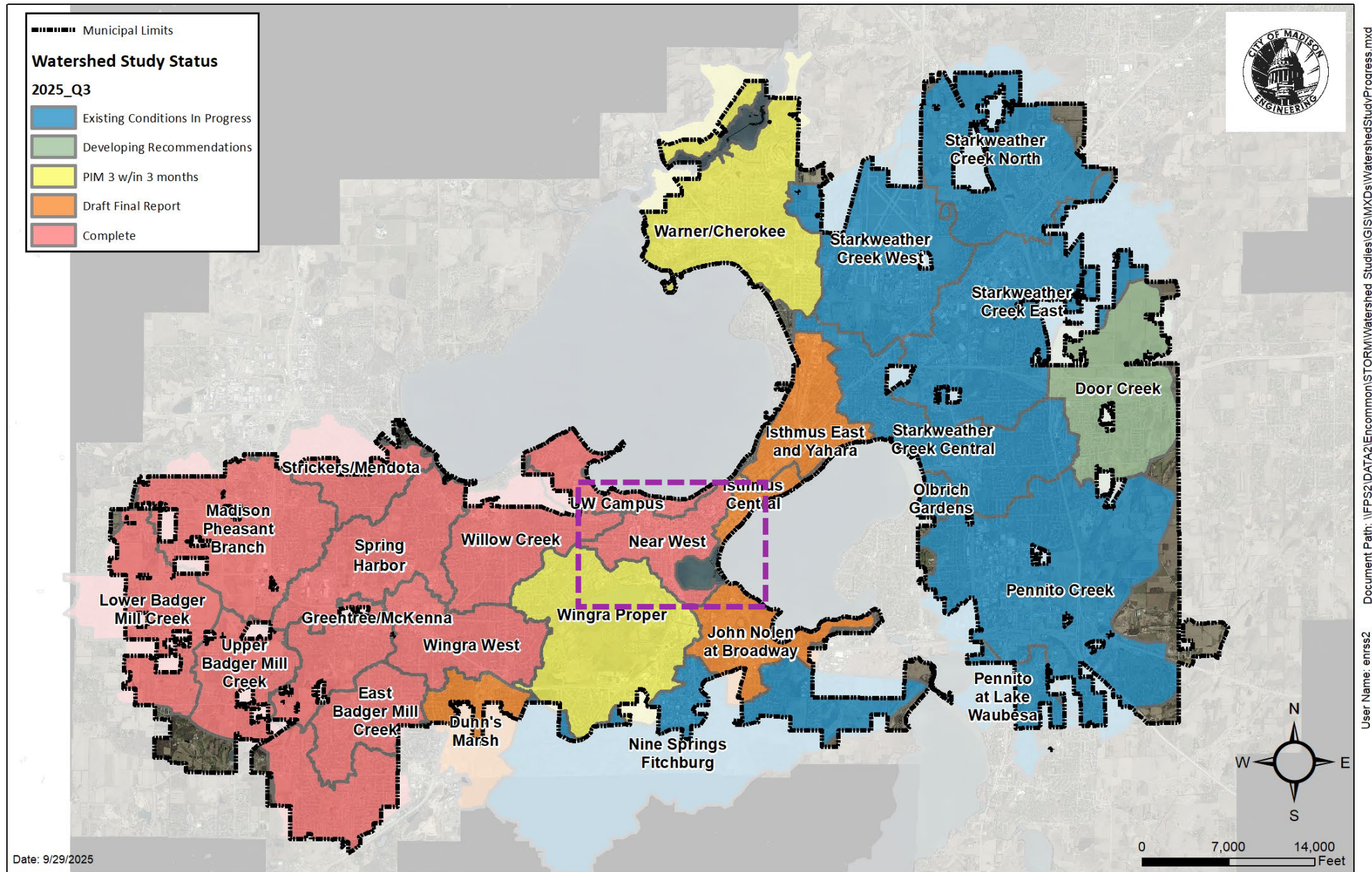
[Link to Final Report](https://www.cityofmadison.com/engineering/projects/near-west-watershed-study)

(Or can be found on the project webpage:

[https://www.cityofmadison.com/engineering/
projects/near-west-watershed-study\)](https://www.cityofmadison.com/engineering/projects/near-west-watershed-study)

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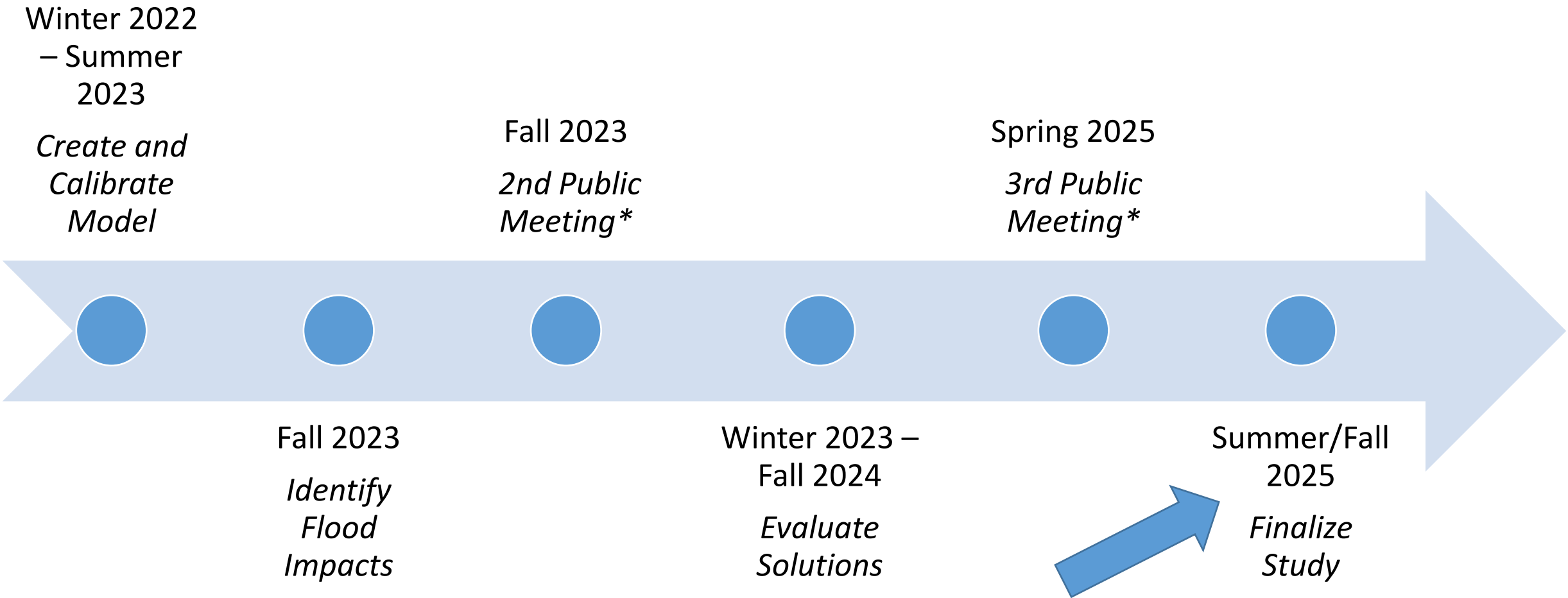


Watershed Study Program Progress

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Schedule



**Presentations from all three PIM's can be found on the Watershed Study Website*



Watershed Study Milestones

- PIM 1: 10/24/22
- PIM 2: 10/25/23
- Public Works Improvements: 2/6/25
- Informational to BPC: 3/12/25
- PIM 3: 3/18/25
- Report Final Draft Finished: 6/3/25
- Report Public Comment Period: 6/25/25 – 7/28/25
- BPC: 10/8/25
- BPW: 10/29/25
- FINAL REPORT:

[https://www.cityofmadison.com/engineering/documents/projects/Near West Watershed Study Report for Public Comment 20250603.pdf](https://www.cityofmadison.com/engineering/documents/projects/Near%20West%20Watershed%20Study%20Report%20for%20Public%20Comment%2020250603.pdf)

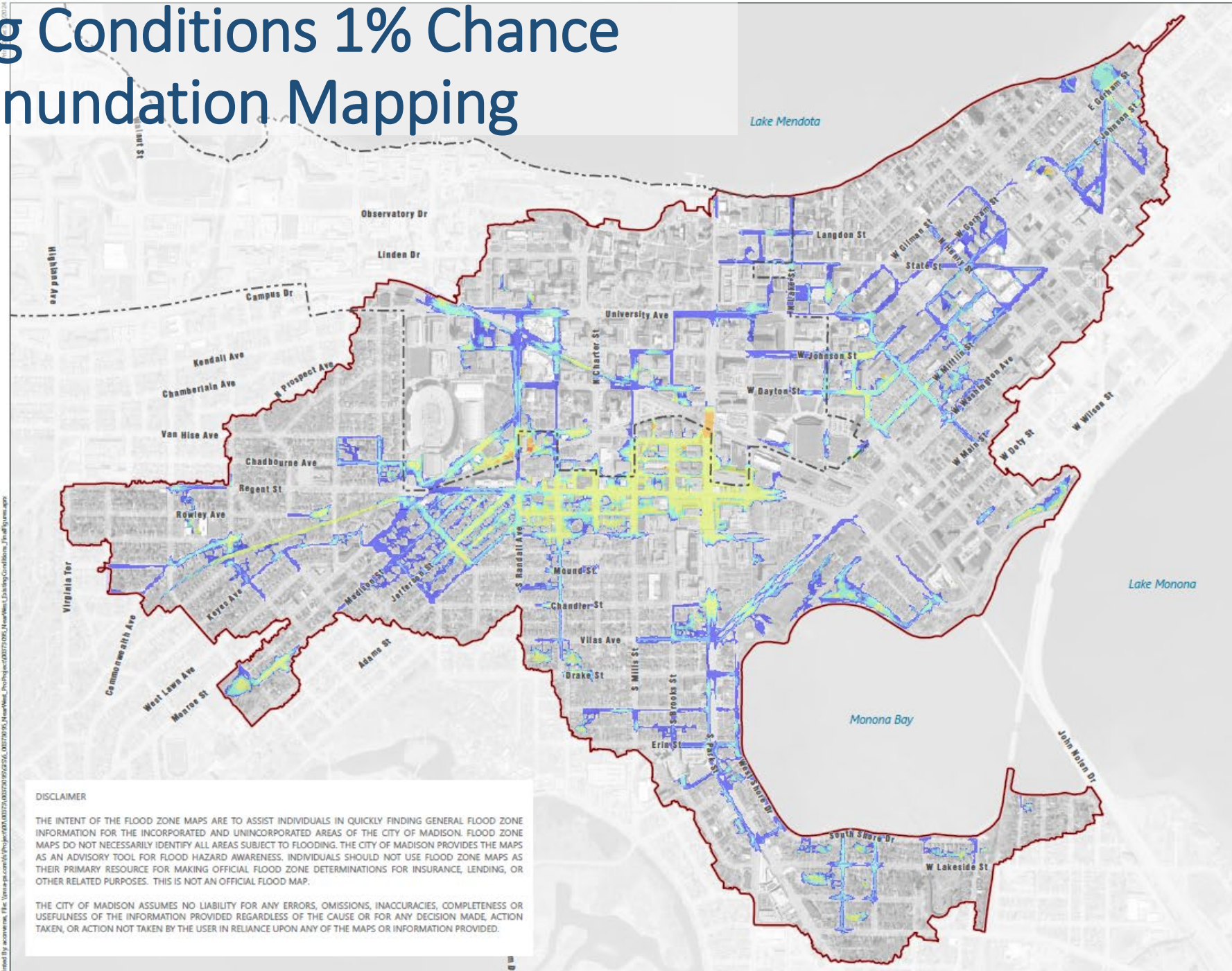


Existing Conditions 1% Chance Event Inundation Mapping

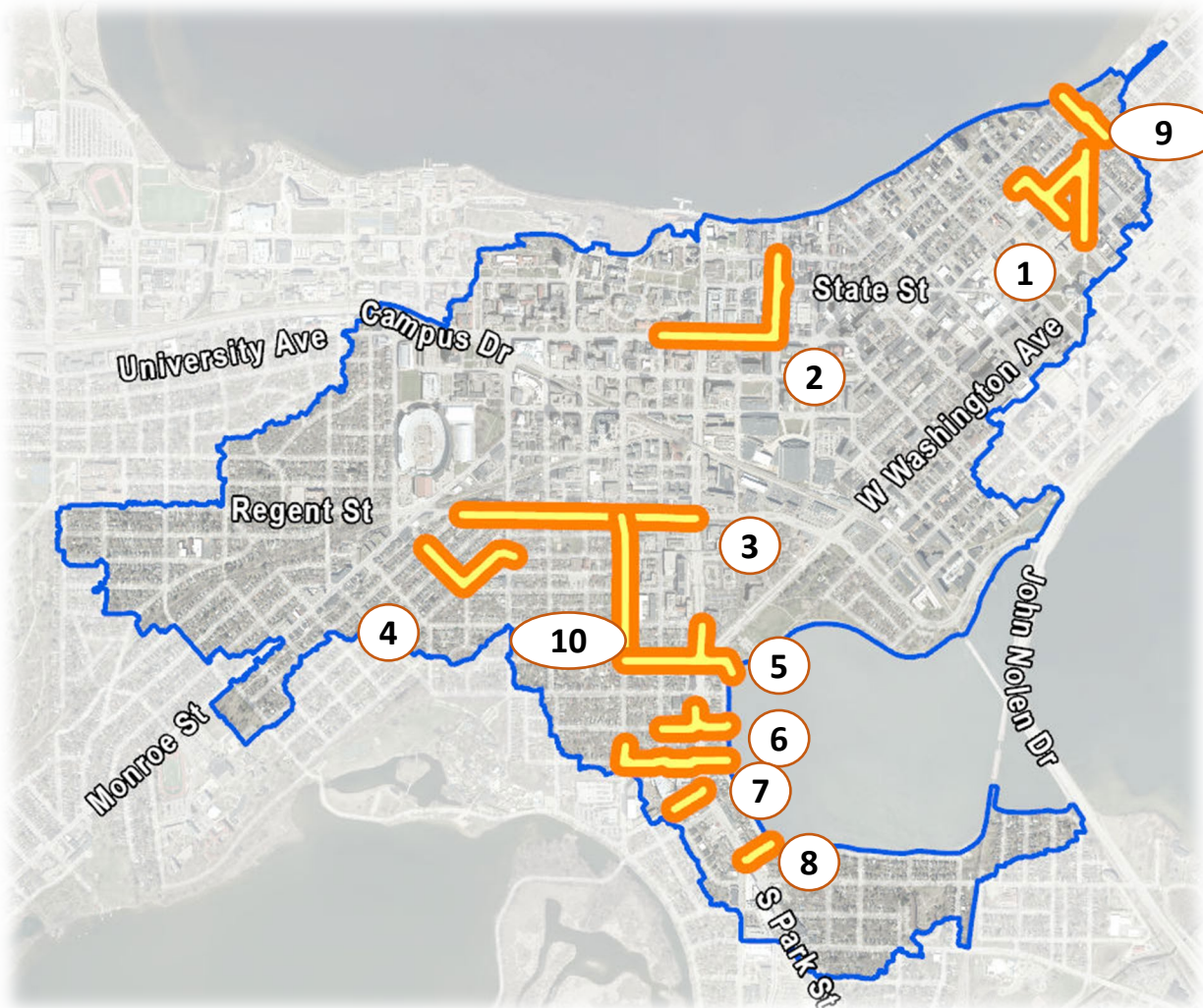
1% AEP Inundation

FIGURE 16
Near West Watershed
Study Report

City of Madison
Dane County, WI



Proposed Solutions



1. N Hamilton St/E Johnson St/E Gorham St
2. University Ave/Lake St
3. Regent St
4. Oakland Ave/Adams St
5. Vilas Ave/S Park St*
6. Emerald St/S Park St*
7. Erin St/Delaplaine Ct*
8. Parr St*

Stand-alone Projects

9. Hancock St and outfall in James Madison Park *
10. S Mills St Relief Sewer*

** Projects impacting Park's property*

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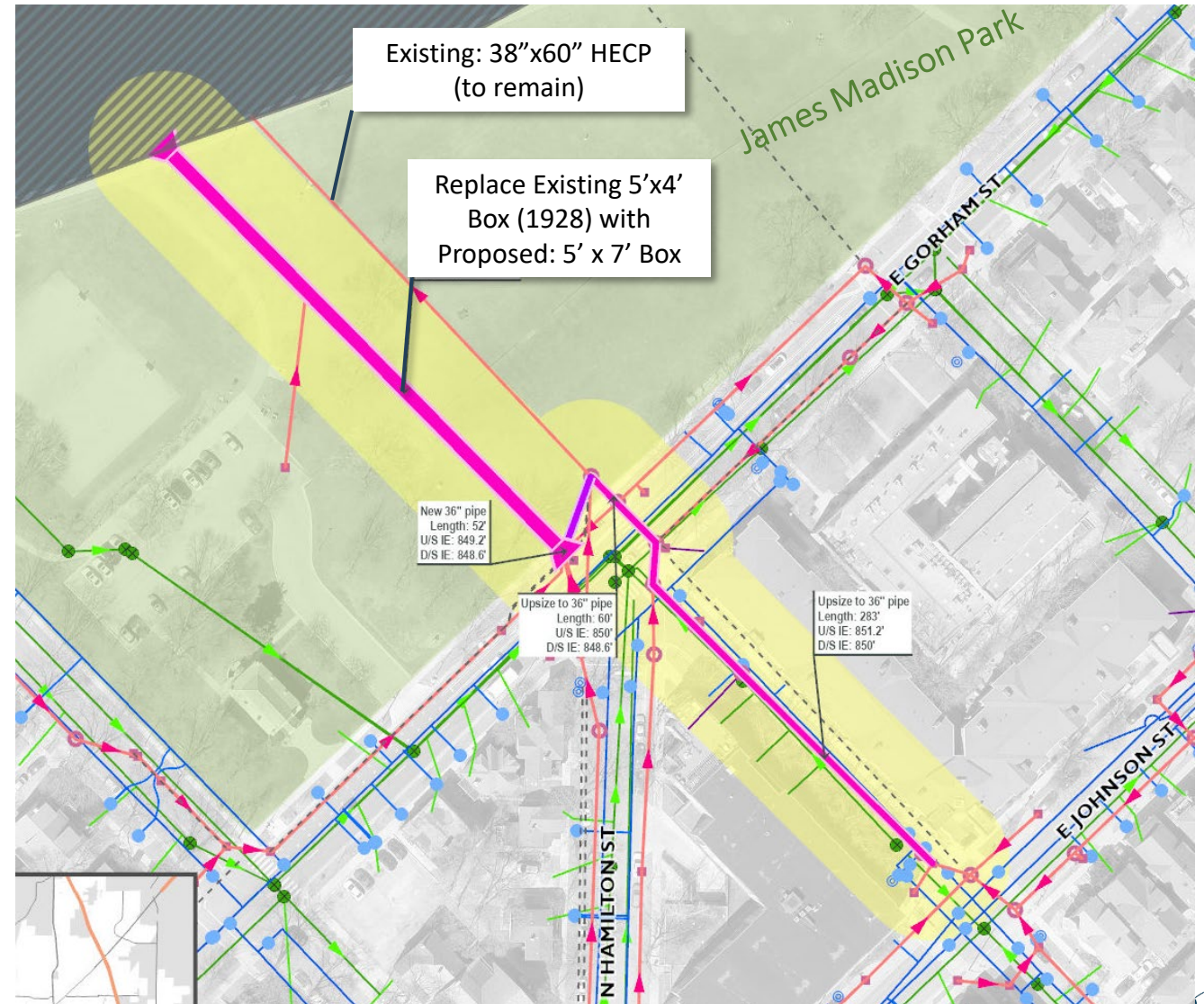
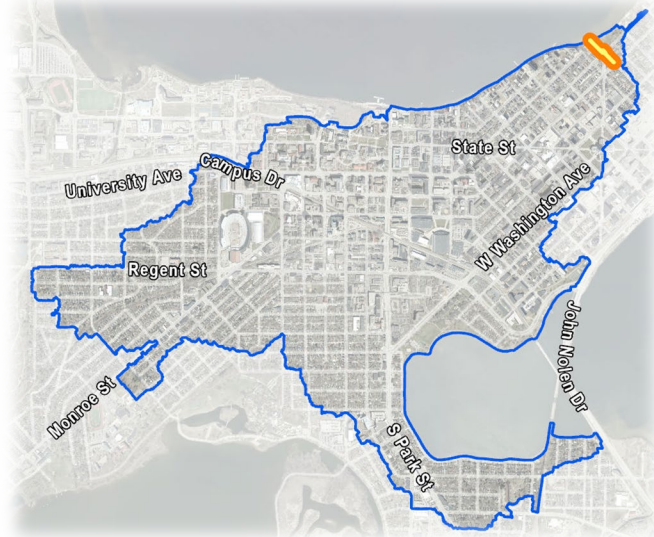


Results

- **10% Chance Storm Event – Target: Eliminate storm sewer surcharge**
 - Existing: 268 out of 464 stormwater structures (58%) do not meet the target
 - Proposed: 233 out of 464 stormwater structures (50%) not meet the target
- **4% Chance Storm Event – Target: Maintain drivability of city streets**
 - Existing: 4.2 out of 49.9 street miles (8.4%) do not meet the target
 - Proposed: 2.9 out of 49.9 street miles (5.8%) do not meet the target
- **1% Chance Storm Event – Target: No structure flooding**
 - Existing: 319 out of 4,678 buildings do not meet the target
 - Proposed: 235 out of 4,678 buildings do not meet the target
- **1% Chance Storm Event – Target: Pass flow through greenway crossings**
 - No Greenway Crossings in Watershed

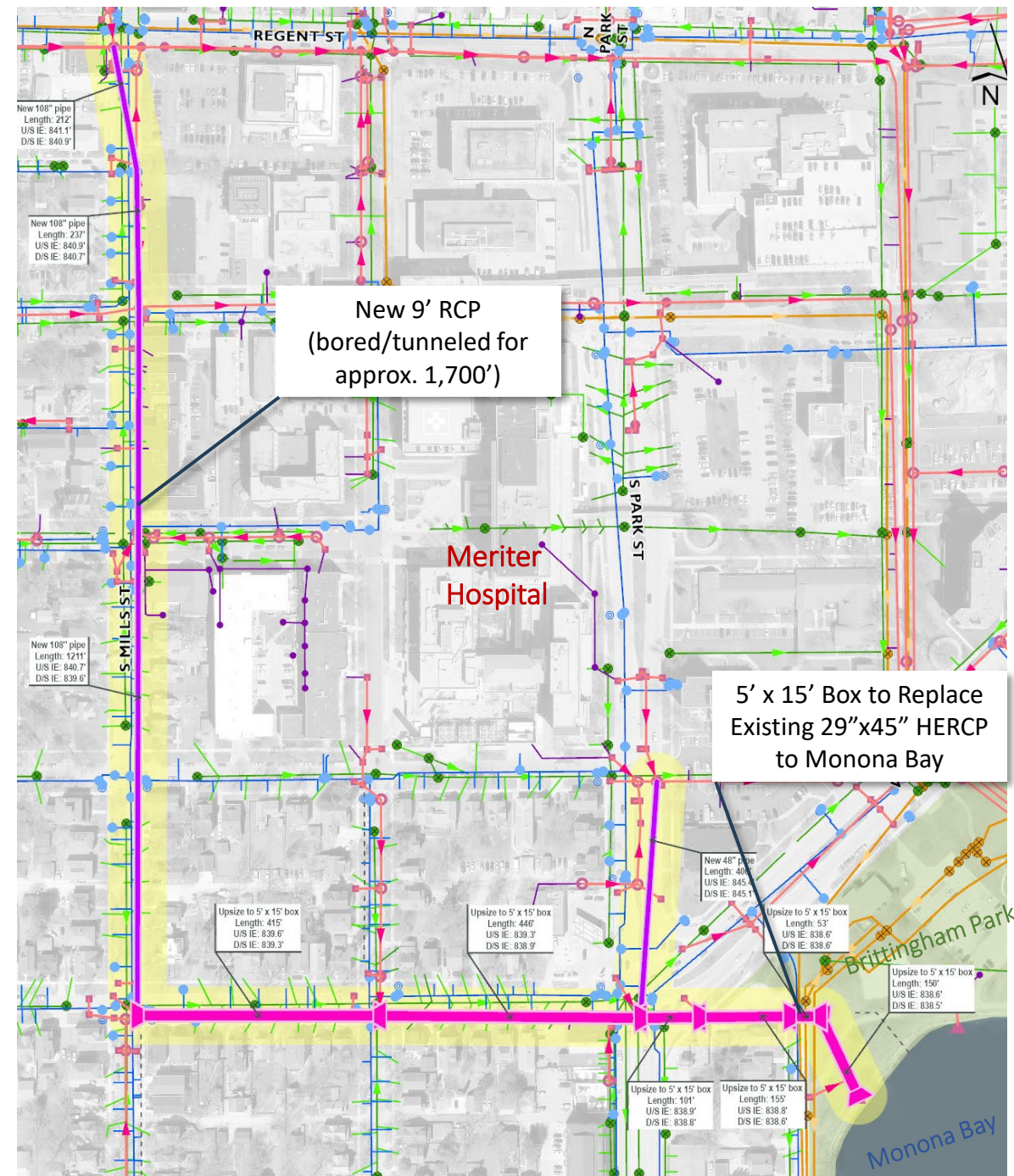
9. Hancock St and outfall in James Madison Park

- ▶ **Goal: Reduce flooding on Gorham and provide capacity for additional later upstream projects (Johnson and Hancock)**
- ▶ Increases passability of 90 ft of roadway on E Gorham for 4% chance event
- ▶ Removes six building from flooding in 1% chance event (along w/upstream projects).
- ▶ Design will need to coordinate with Parks and fit within James Madison Park Master Plan
- ▶ Est. Cost - \$1.43M



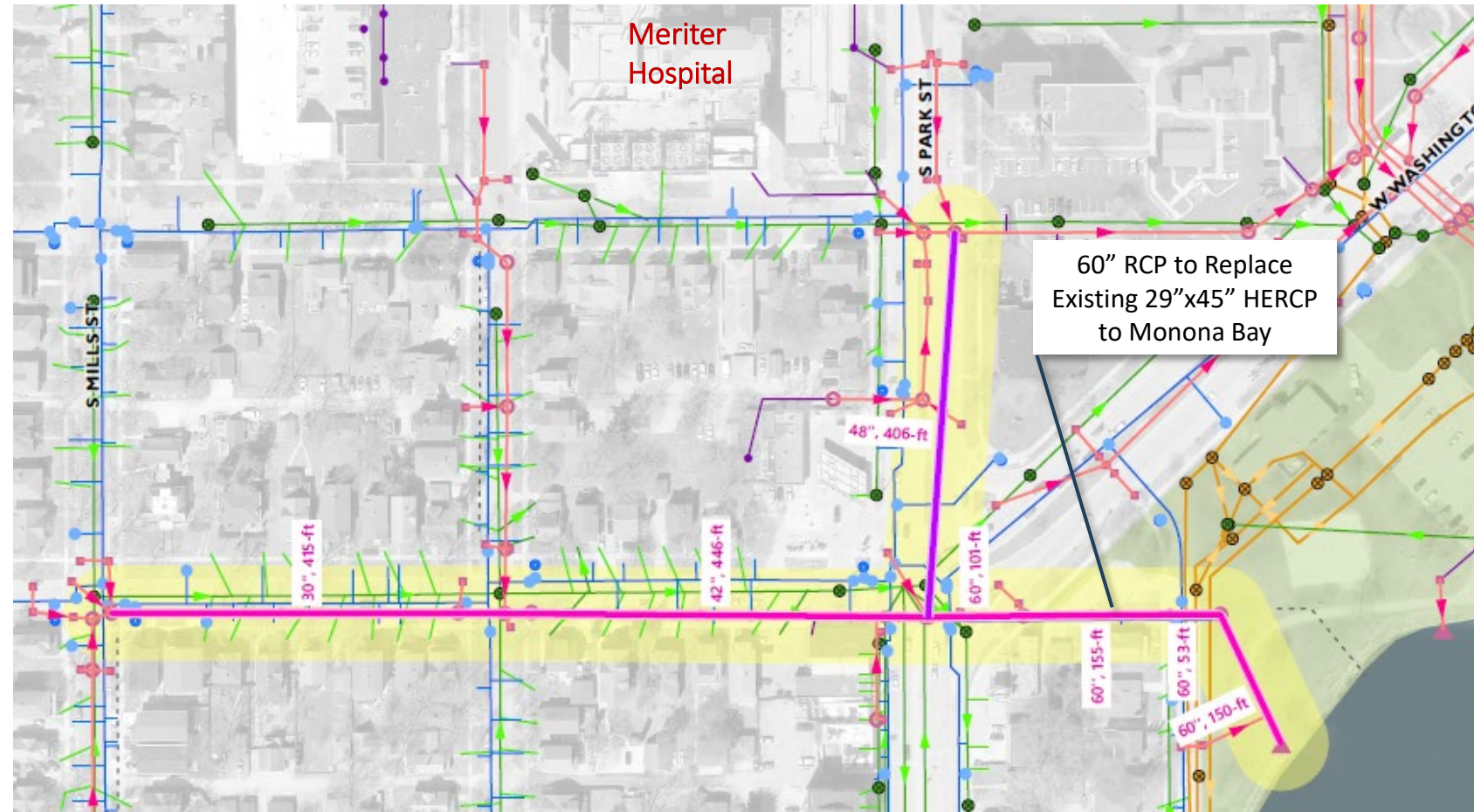
10. S Mills St Relief Sewer

- ▶ **Goal: Reduce flooding up to the 100-yr event on Regent St and Park St at West Washington and Chandler St**
- ▶ Provide a secondary outlet for the Regent St enclosed depression
- ▶ Improves passability of 1.26 miles of street during 4% chance event.
- ▶ Removes 74 buildings from flooding during the 1% chance event
- ▶ Very significant construction effort (deep boring, large box culvert, coordination with Madison Met. Sewerage District)
- ▶ Est. Cost - \$32.2M



5. Vilas Ave/Park St Storm Sewer Upgrade

- ▶ **Goal: Reduce flooding at Park and West Washington and Chandler**
- ▶ Alternate Plan if the S Mills St Relief Sewer does not move forward.
- ▶ Improves passability of Park St eliminating flooding in the area up to the 1% chance event.
- ▶ Est. Cost - \$0.7M



6-8. Monona Bay Local Storm Sewer Upgrades

- ▶ **Goal: Reduce flooding along Park St and adjacent residential streets**
- ▶ Reduces flooding of Park St up to the 1% chance event providing access to both Hospitals. (200' more of street meet the 4% storm target)
- ▶ Removes 3 buildings from flooding during the 1% chance event.
- ▶ Est. Cost - \$7.04M

