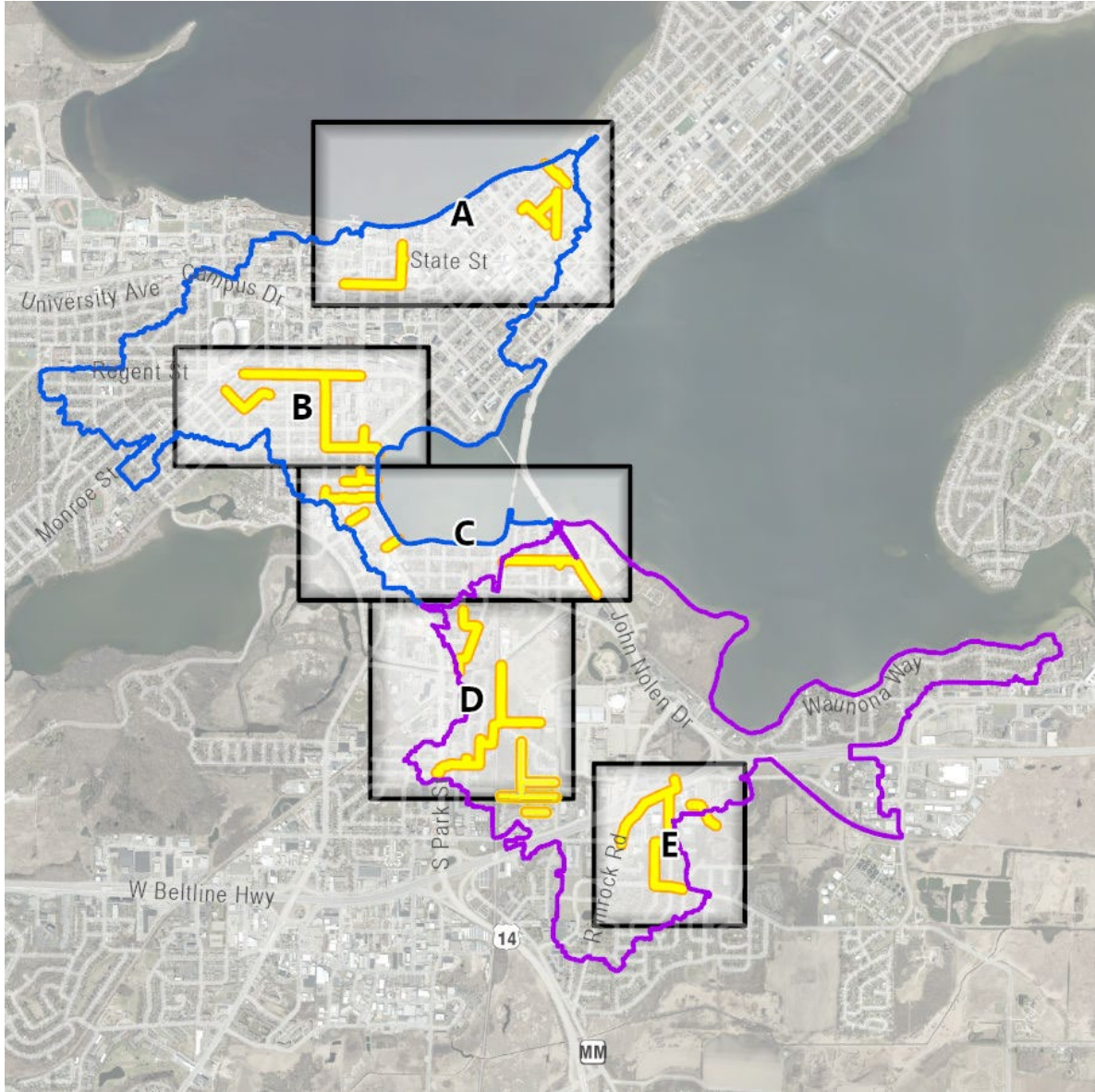
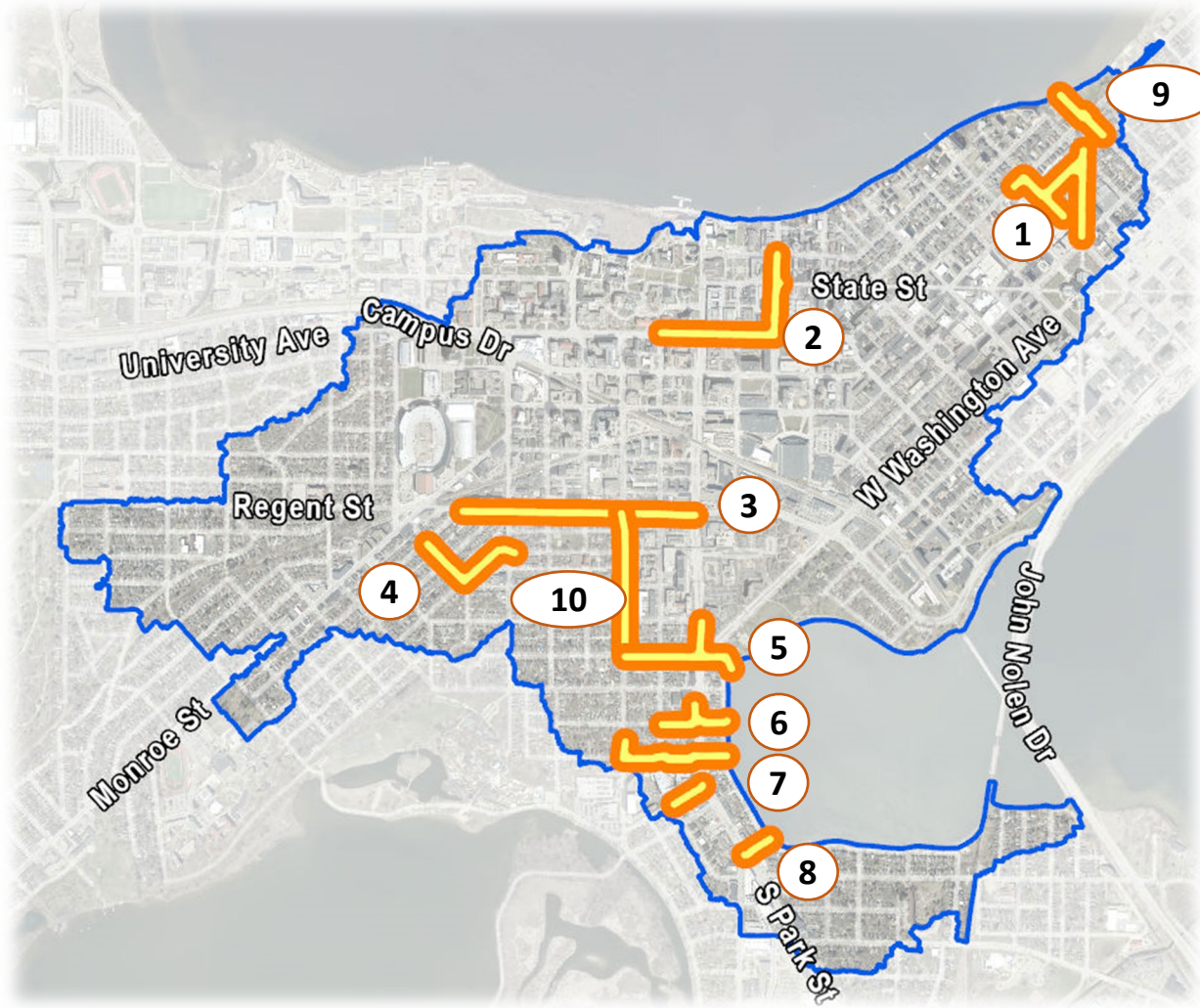


# Breakout Room A



# Near West Proposed Solutions



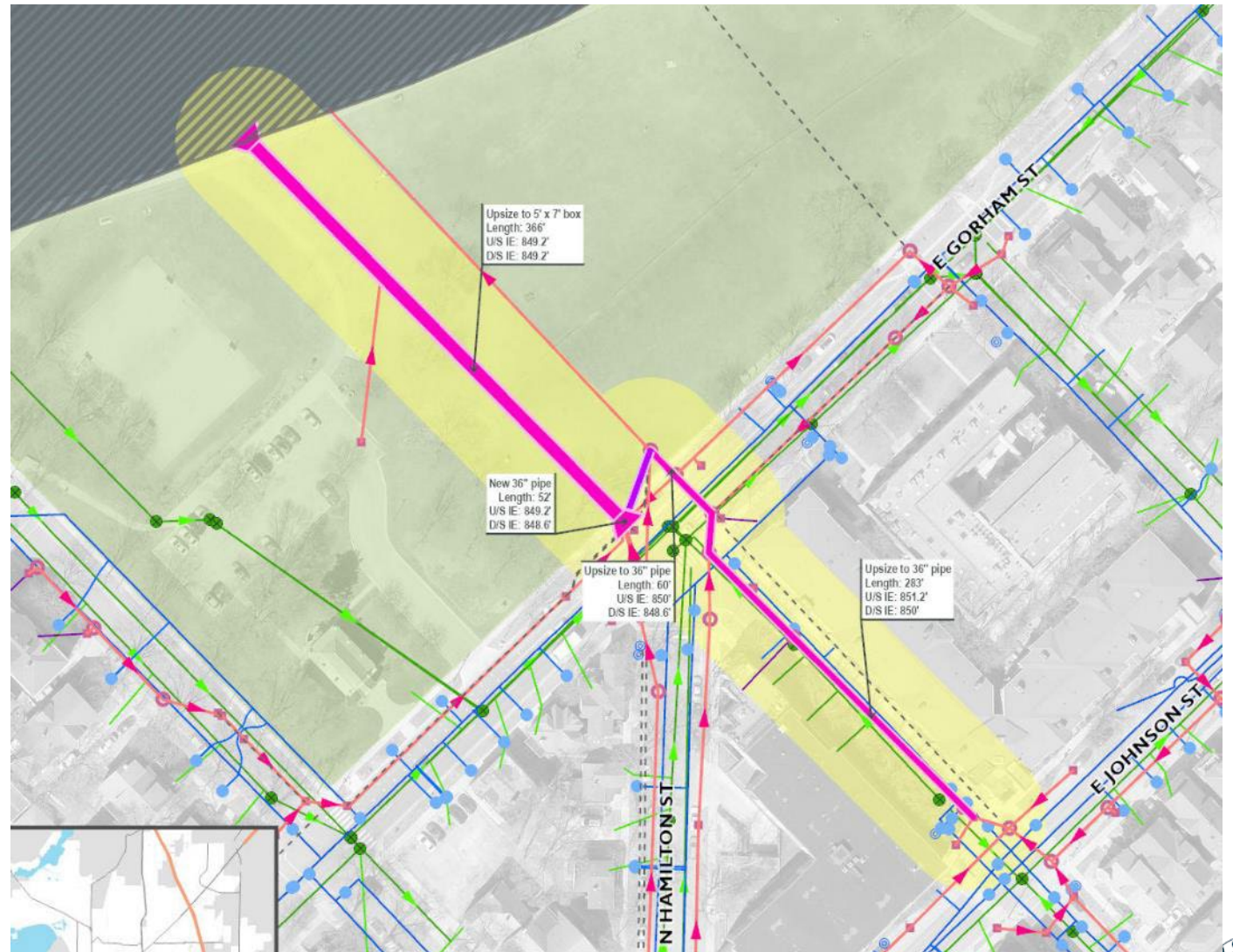
1. N Hamilton St/E Johnson St/E Gorham St
2. University Ave/Lake St
3. Regent St
4. Oakland Ave/Adams St
5. Vilas Ave/S Park St
6. Emerald St/S Park St
7. Erin St/Delaplaine Ct
8. Parr St

## **Stand-alone Projects**

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

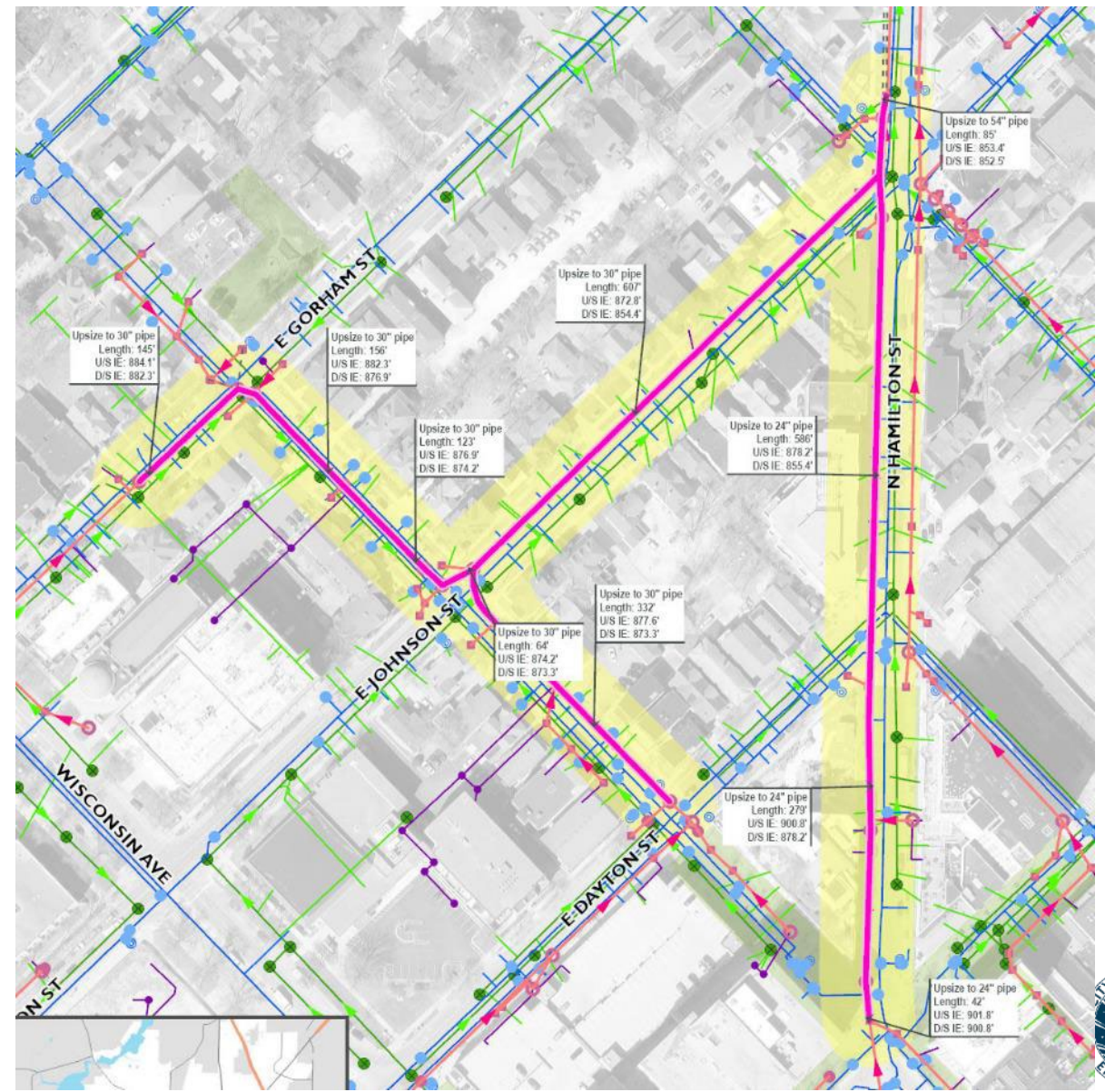
# Hancock St and outfall in James Madison Park

- ▶ Reduce flooding for 100-yr event
- ▶ Replace aging pipe & increase storm sewer size
- ▶ Est. Cost - \$1.43M



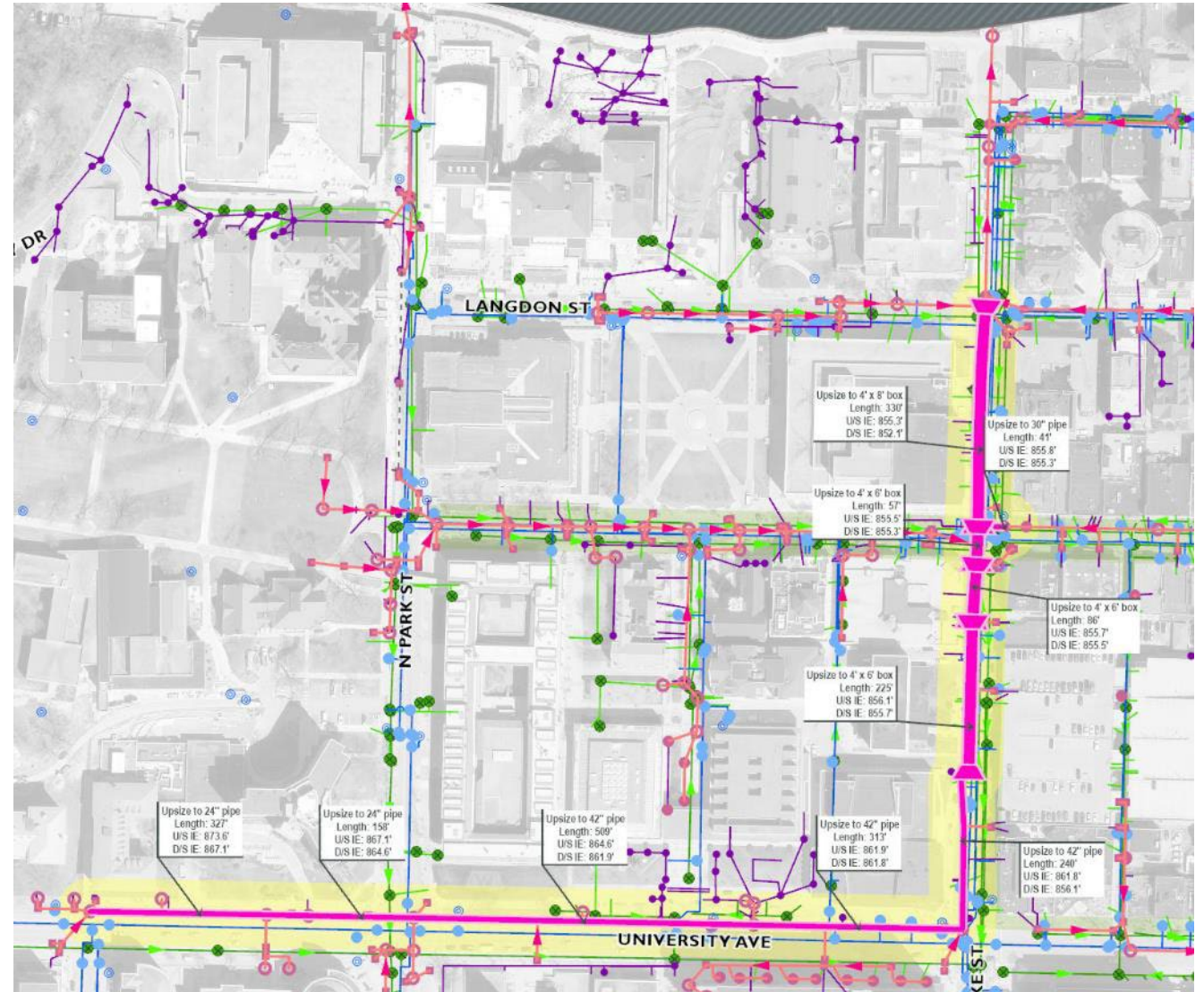
# N Hamilton St/E Johnson St/E Gorham St

- ▶ Reduce flooding for 100-yr event
- ▶ Reduce localized flooding
- ▶ Est. Cost - \$0.7M

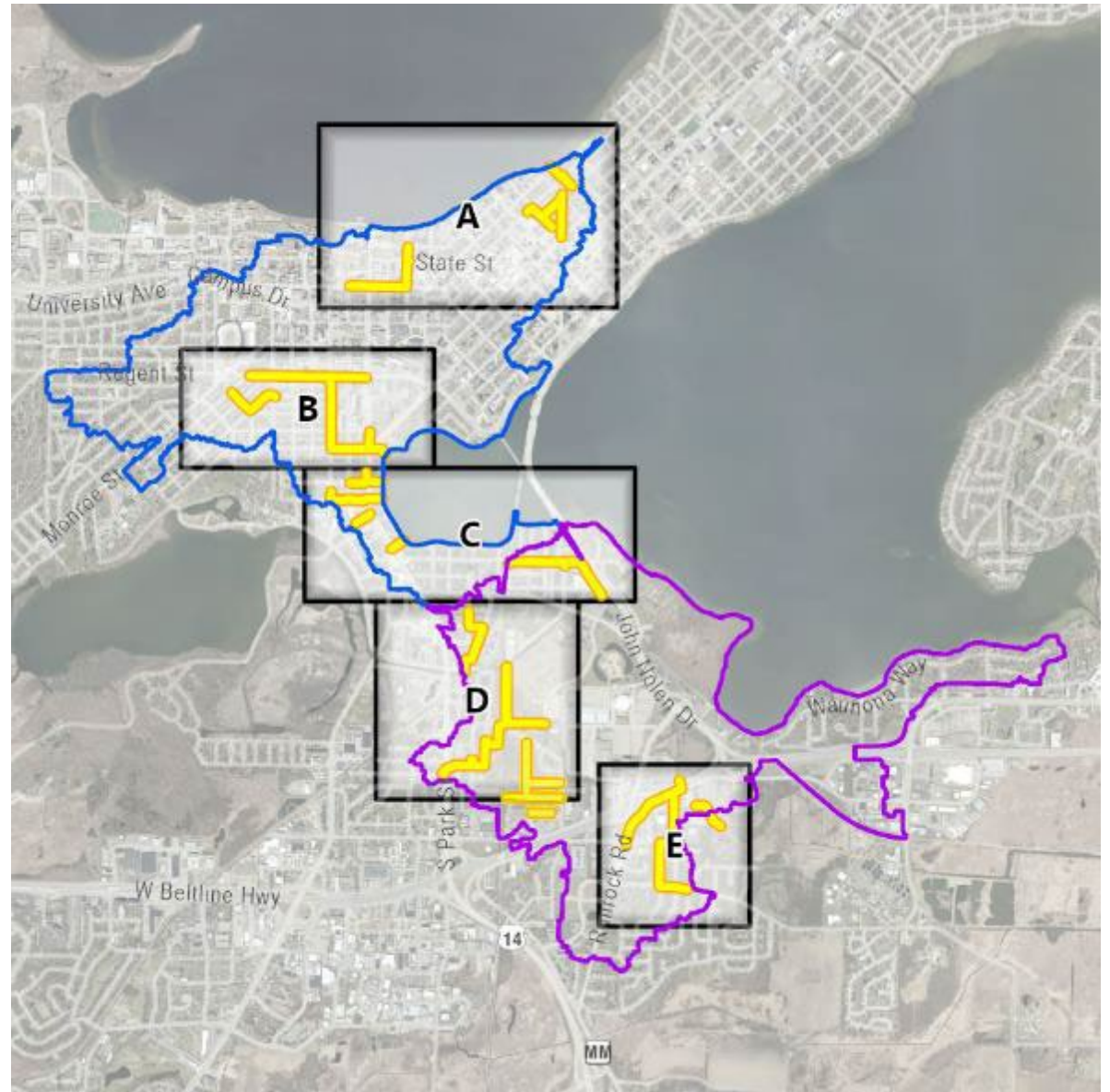


# University Ave/Lake St

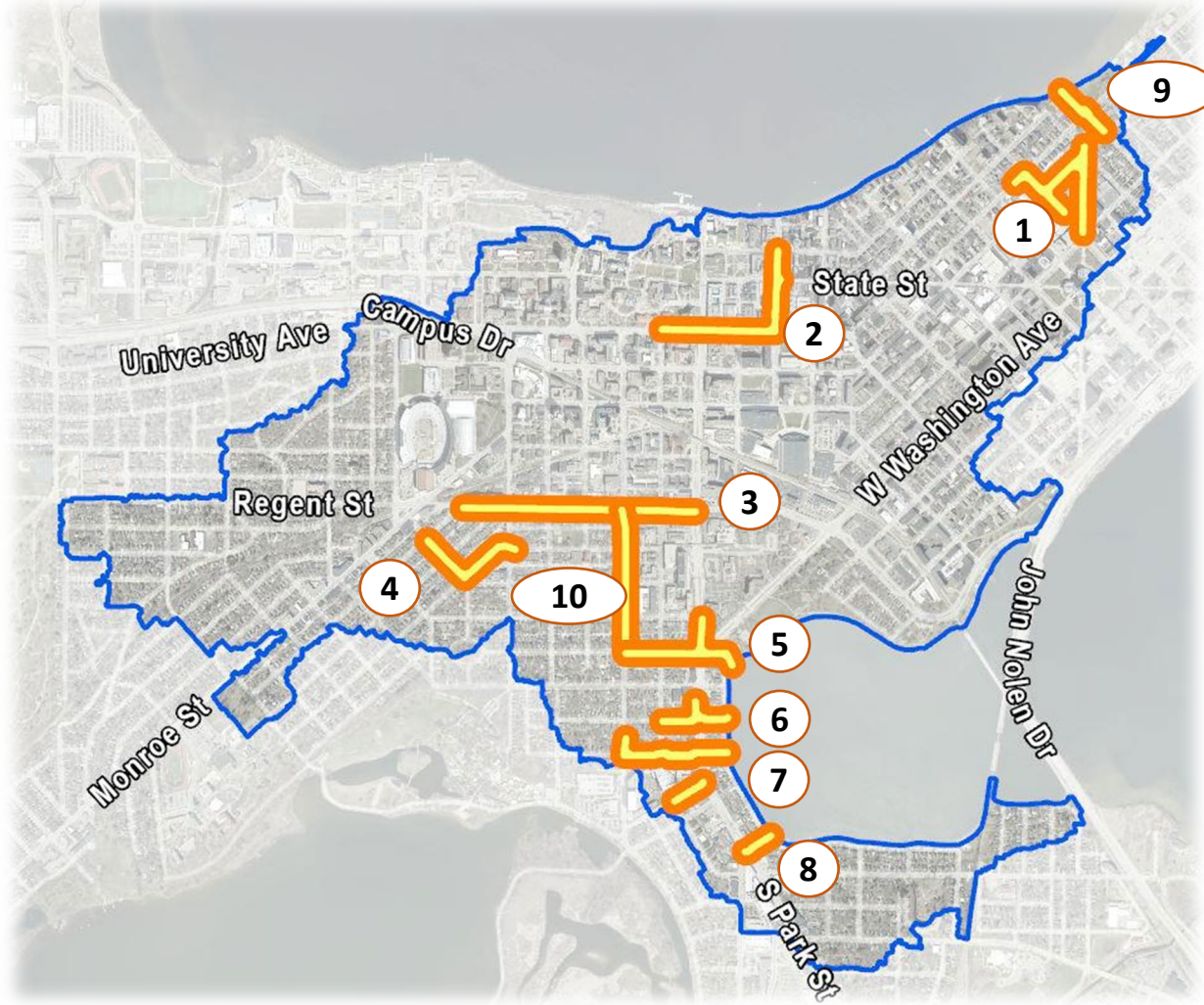
- ▶ Reduce flooding for 50-yr event
- ▶ Lake St construction underway; this improvement will happen when the road requires replacement in the future.
- ▶ Est. Cost - \$1.5M



# Breakout Room B



# Near West Proposed Solutions



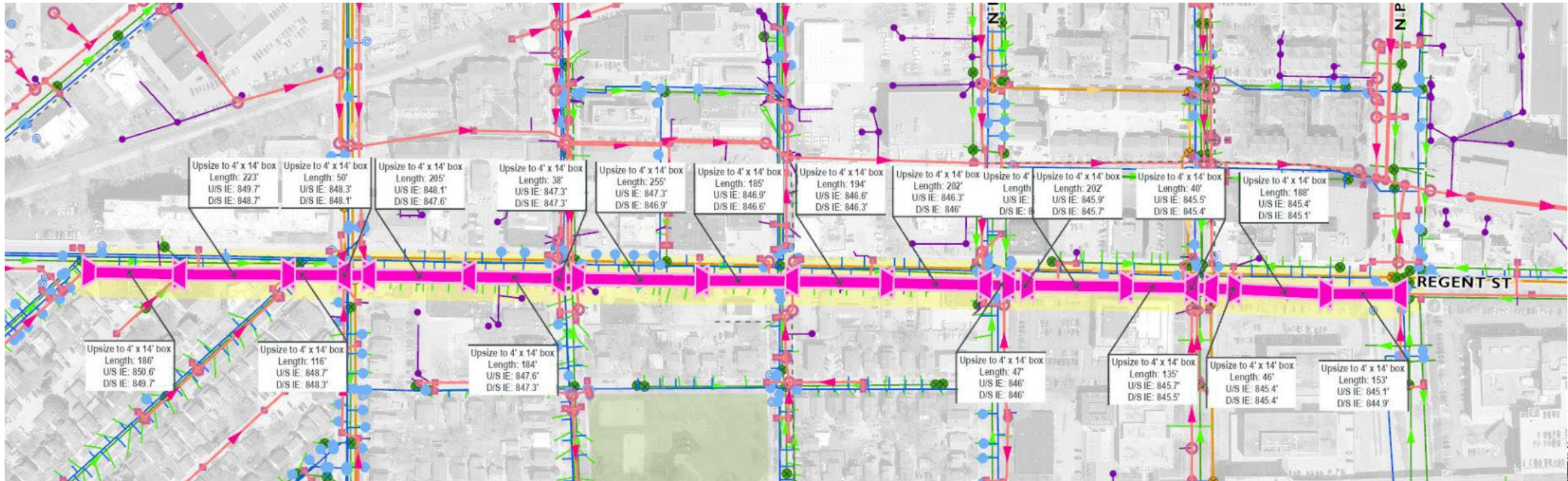
1. N Hamilton St/E Johnson St/E Gorham St
2. University Ave/Lake St
3. Regent St
4. Oakland Ave/Adams St
5. Vilas Ave/S Park St
6. Emerald St/S Park St
7. Erin St/Delaplaine Ct
8. Parr St

## **Stand-alone Projects**

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

# Regent St

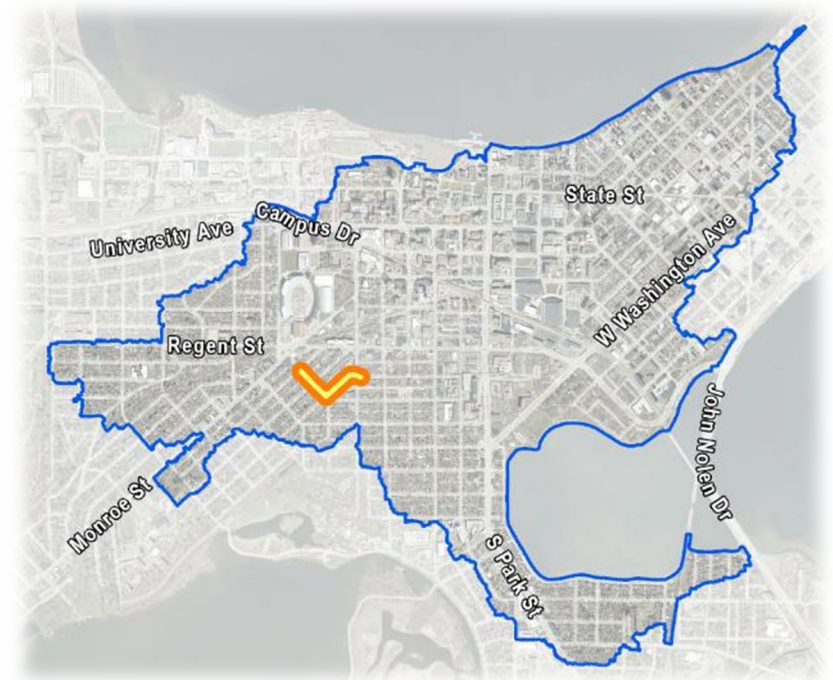
- ▶ Reduce flooding for 25-yr event
- ▶ Existing box culvert needs repair
- ▶ City planning reconstruction within the next few years
- ▶ Est. Cost - \$10.5M





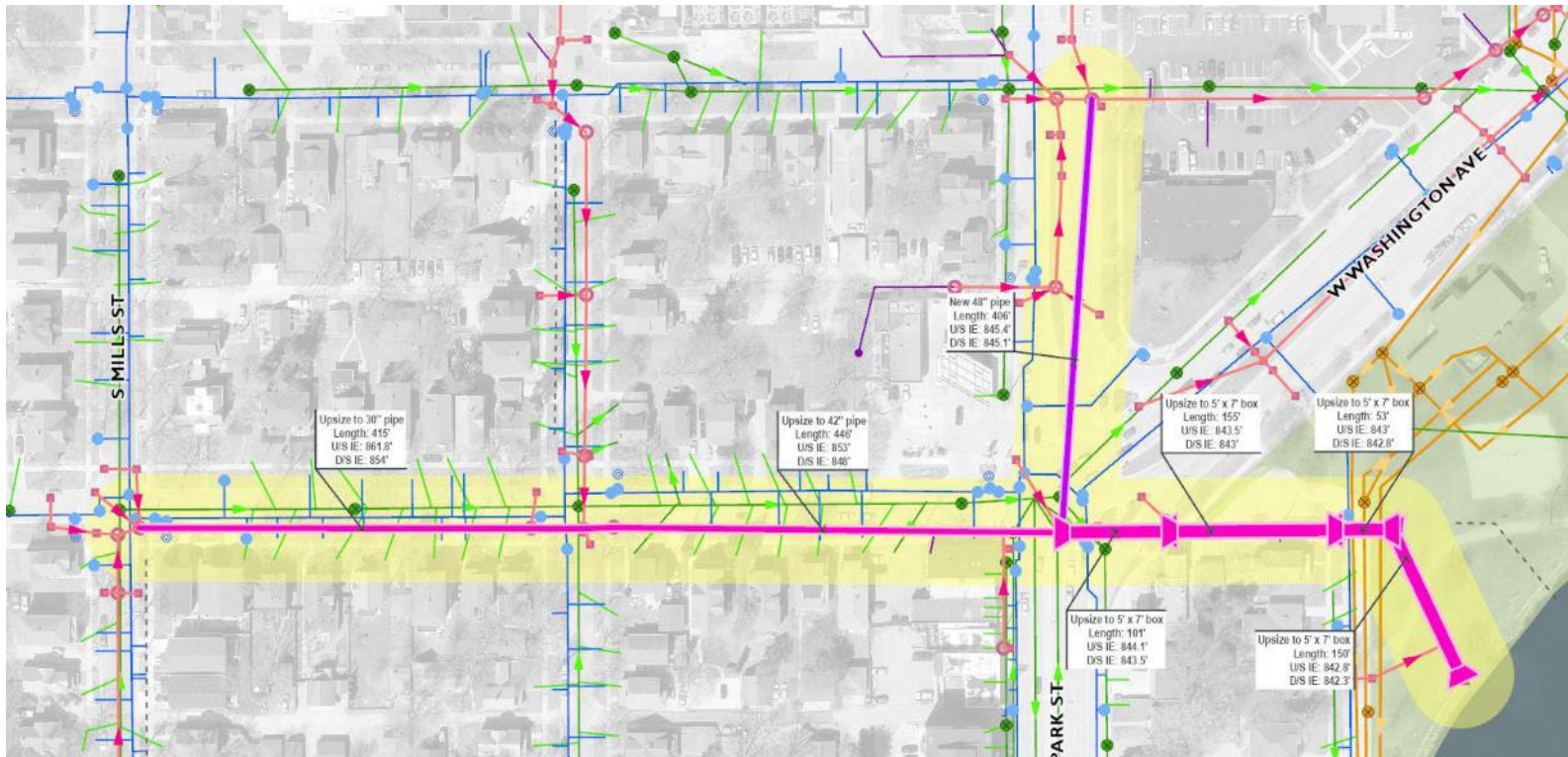
# Oakland Ave/Adams St

- ▶ Existing pipes are old ellipticals
- ▶ Solution is to replace with equivalent capacity box culverts, as downstream capacity is limited
- ▶ Est. Cost - \$2.9M



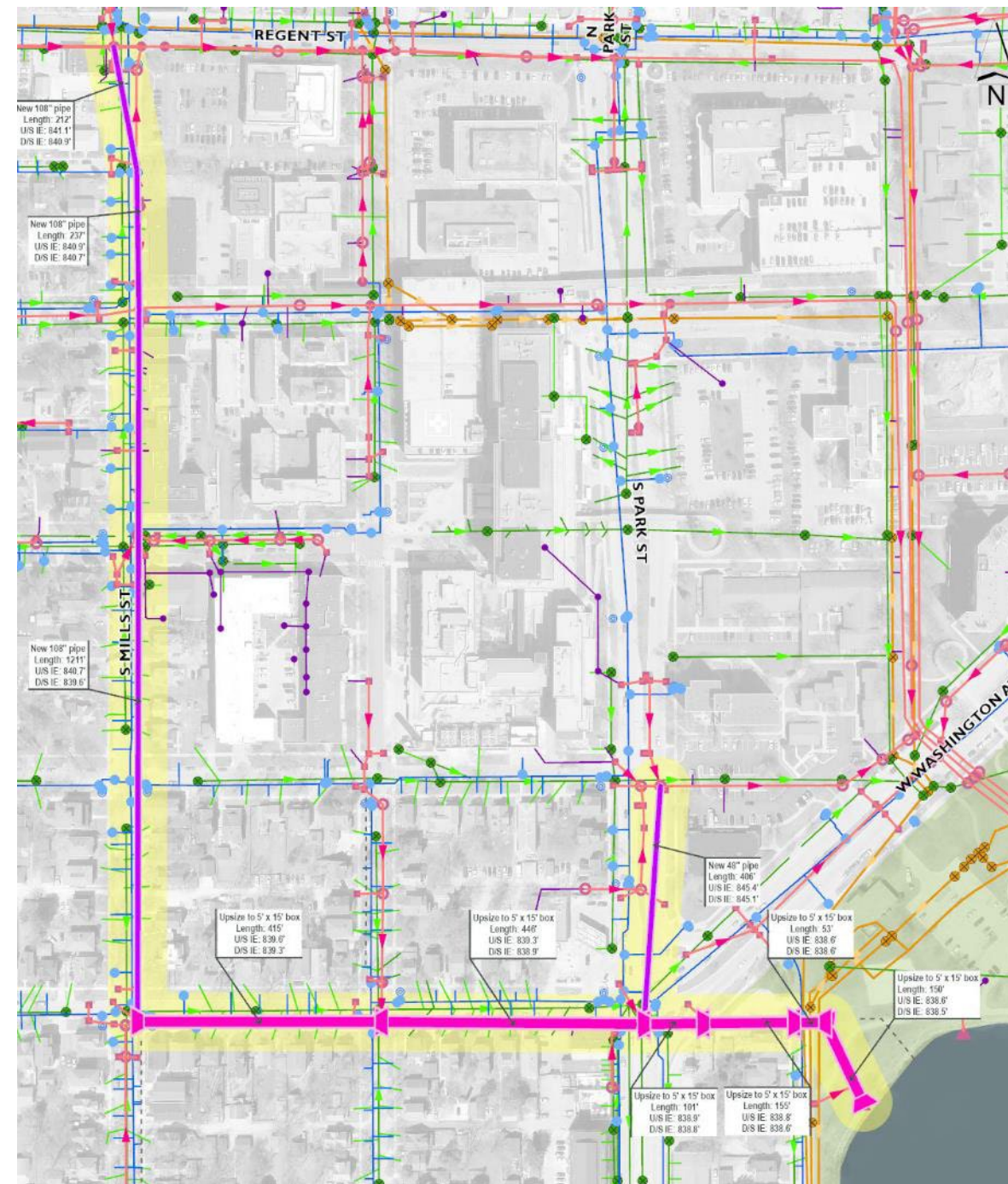
# Vilas Ave/S Park St

- ▶ Alternative solution, if S Mills Relief Sewer is not constructed
- ▶ Drains enclosed depression on Park St
- ▶ Est. Cost - \$0.7M

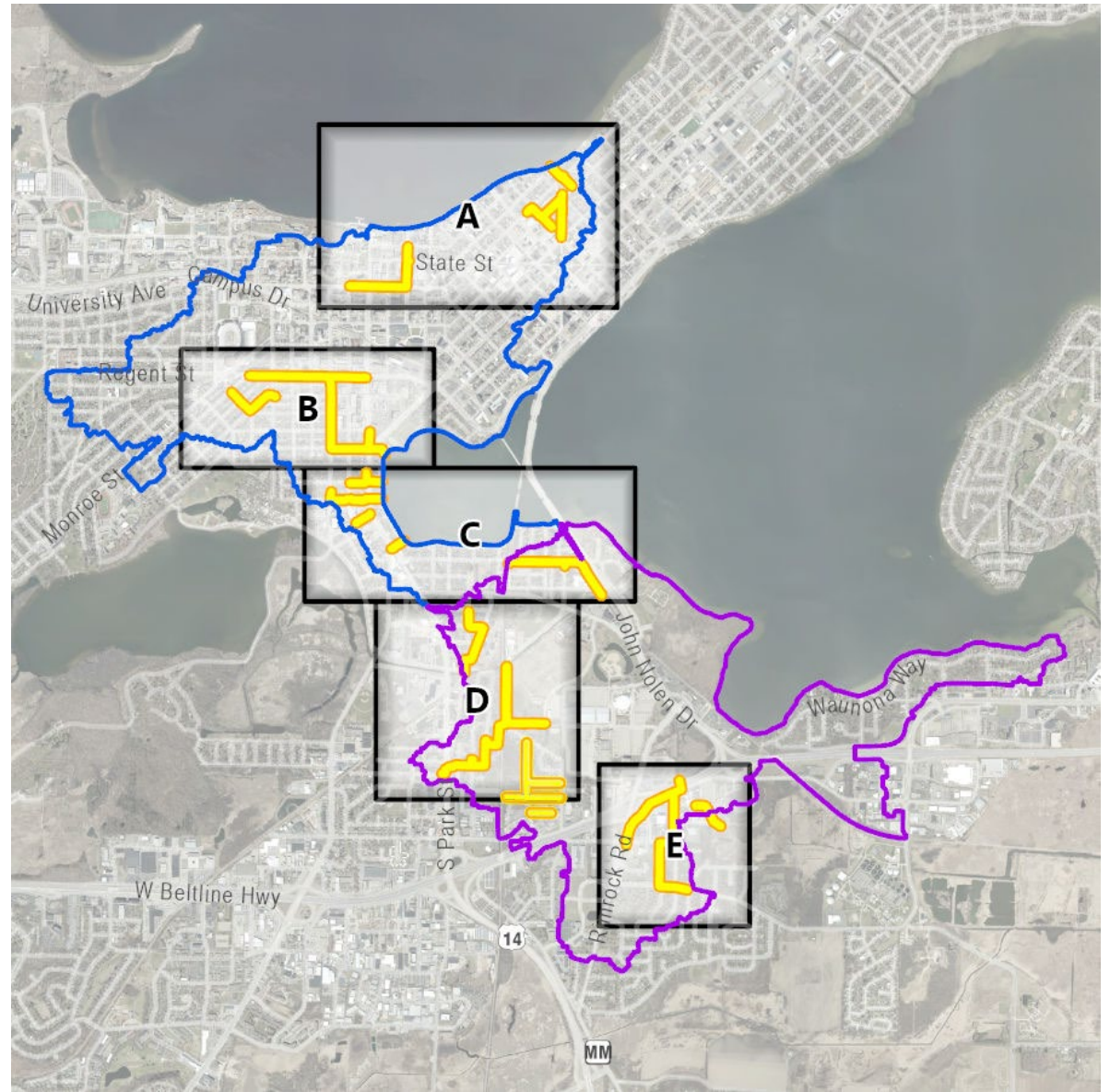


# S Mills St Relief Sewer

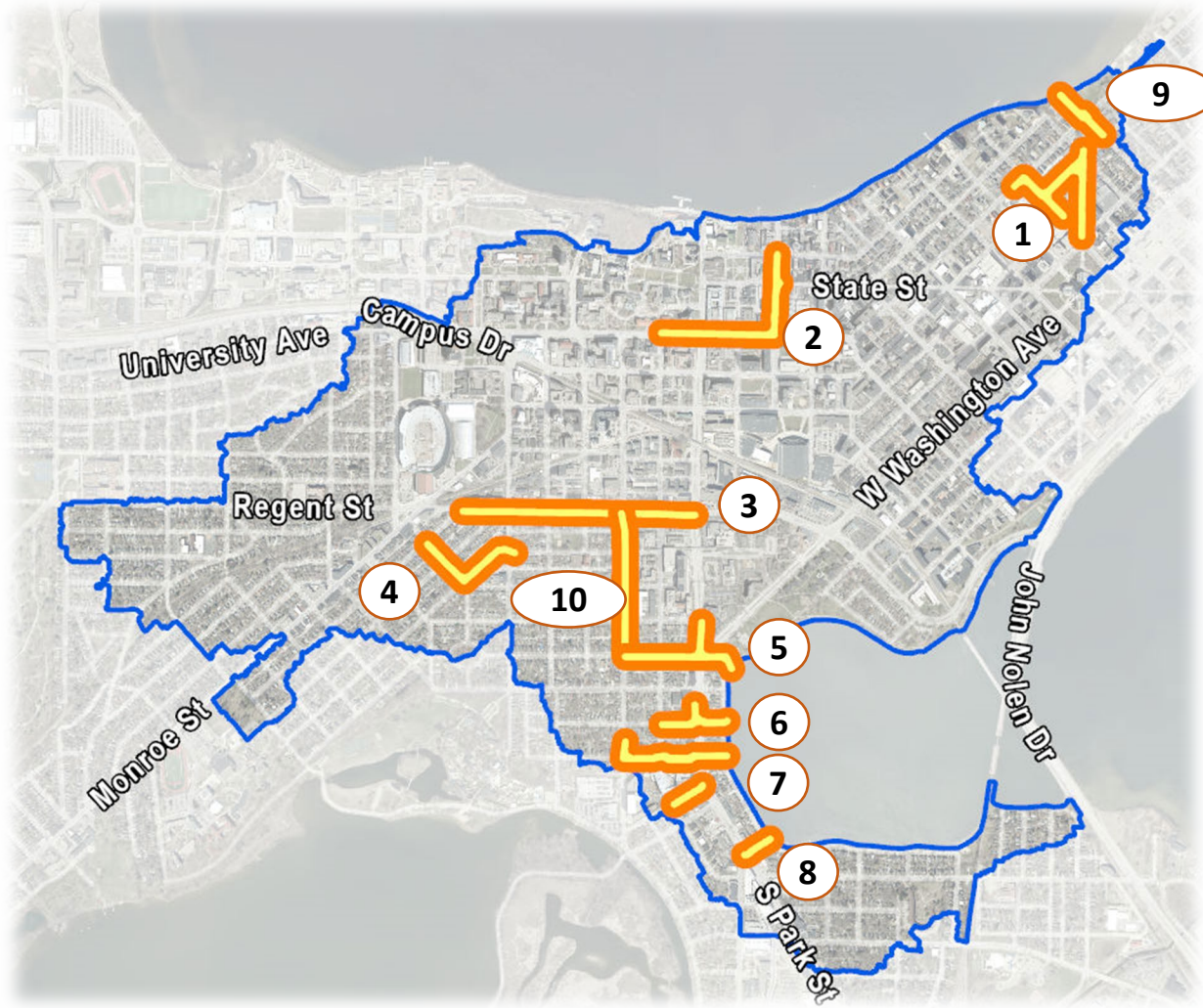
- ▶ Reduce flooding for 100-yr event
- ▶ Provide a secondary outlet for the Regent St enclosed depression
- ▶ Est. Cost - \$32.2M



# Breakout Room C



# Near West Proposed Solutions



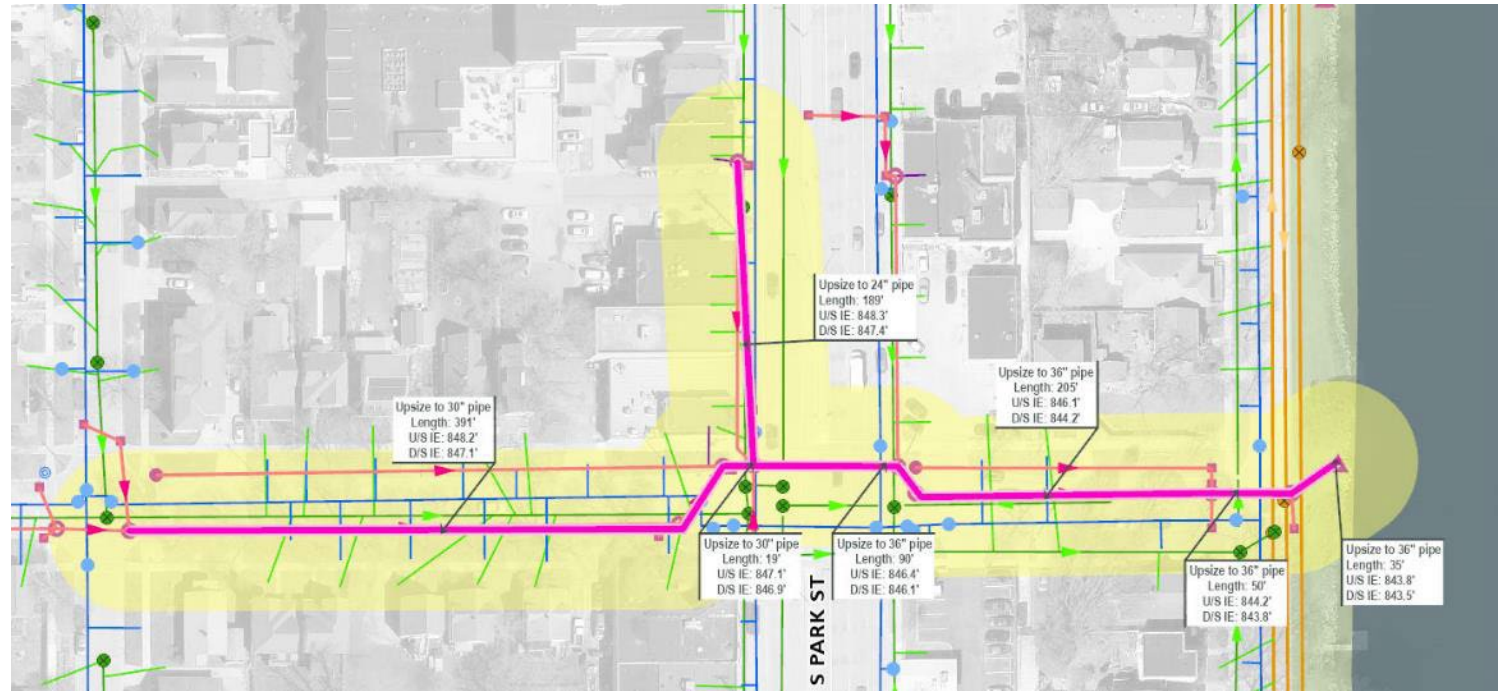
1. N Hamilton St/E Johnson St/E Gorham St
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3. Regent St
4. Oakland Ave/Adams St
5. Vilas Ave/S Park St
6. Emerald St/S Park St
7. Erin St/Delaplaine Ct
8. Parr St

## **Stand-alone Projects**

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

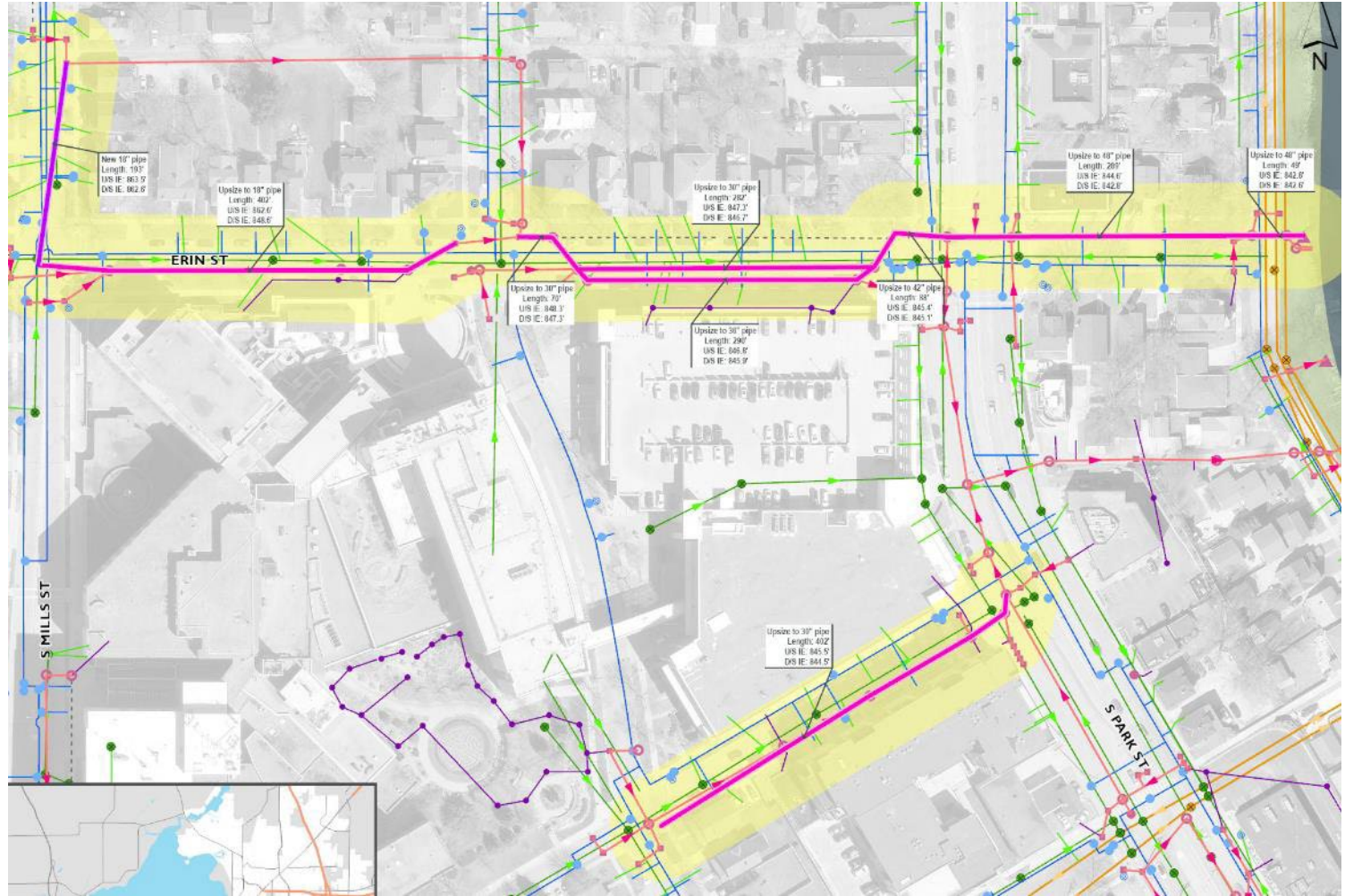
# Emerald St/S Park St

- ▶ Reduce flooding for 25-yr event
- ▶ Improves localized flood concerns
- ▶ Est. Cost - \$0.3M



# Erin St/Delaplaine Ct

- ▶ Reduce flooding for 100-yr event
- ▶ Improves localized flood concerns
- ▶ Est. Cost - \$0.7M



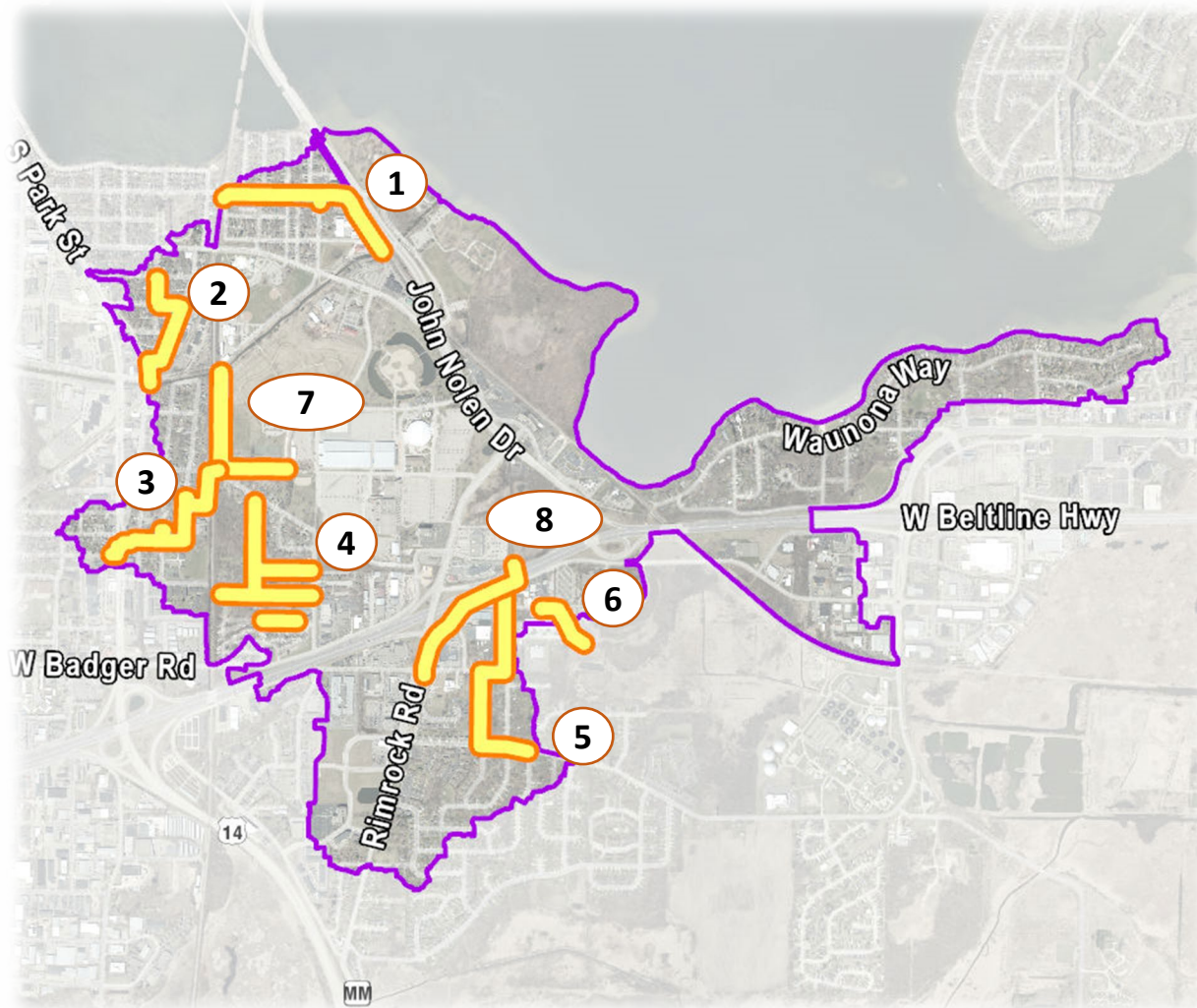
# Parr St

- ▶ Reduce flooding for 25-yr event
- ▶ Improves localized flood concerns
- ▶ Est. Cost - \$0.2M





# John Nolen: Local Storm Sewer Improvements



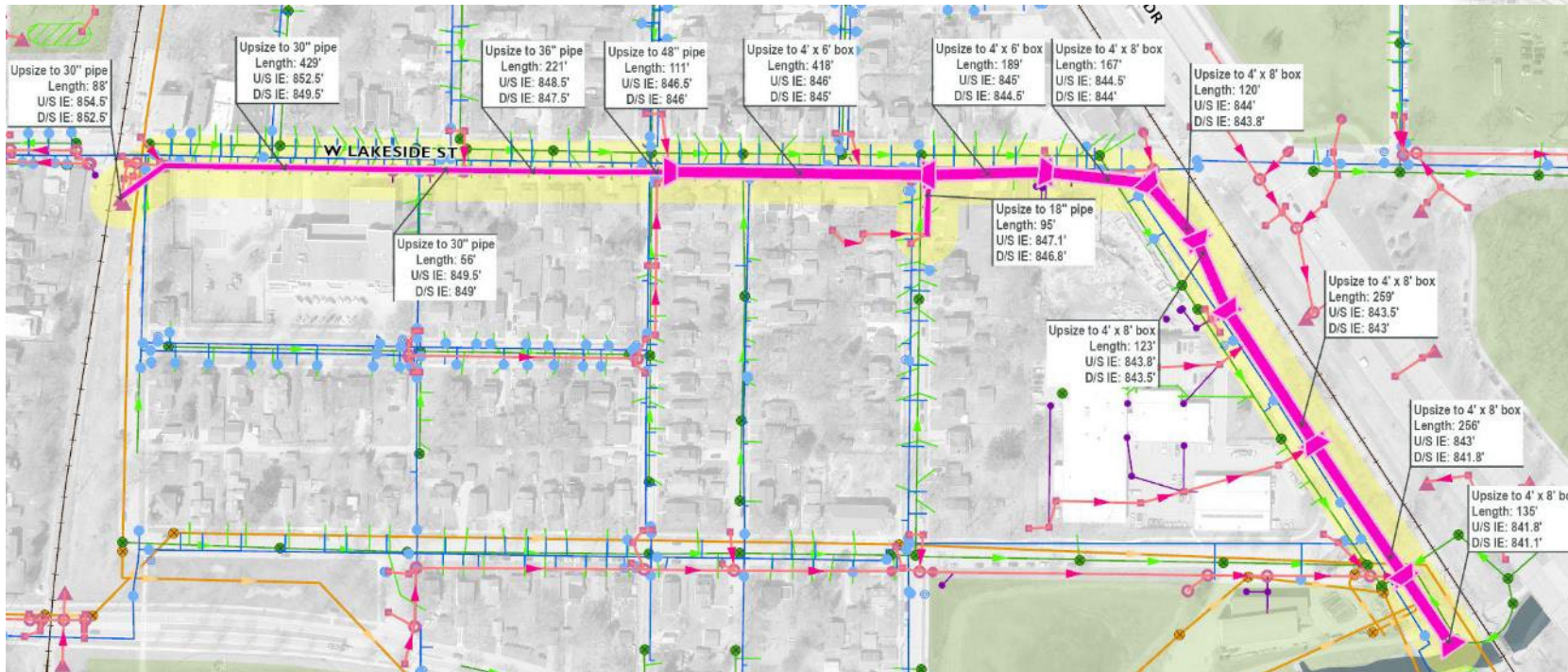
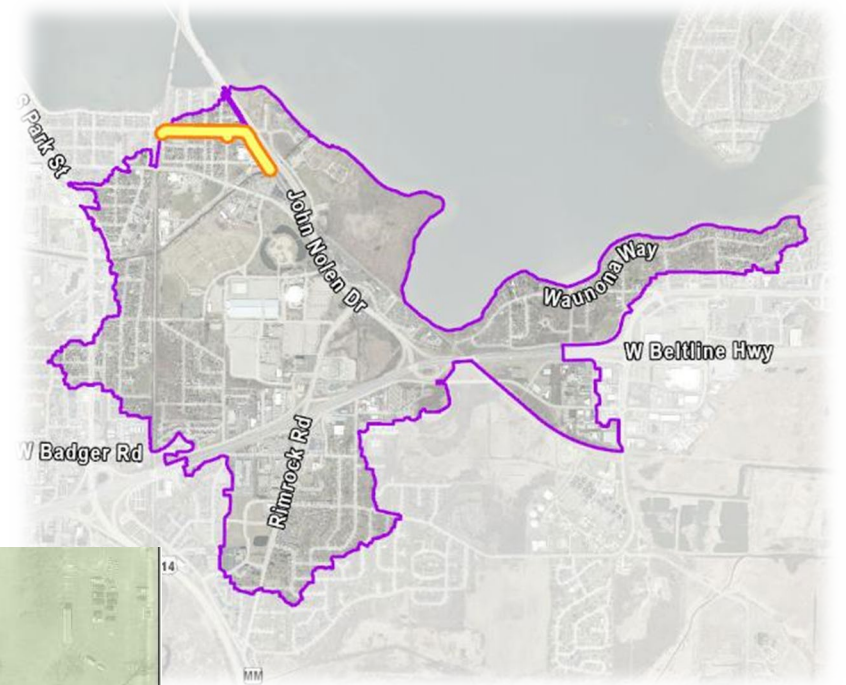
1. E Lakeside St/Sayle St
2. Gilson St
3. Brams Addition
4. Nygard and Sunstrom St
5. Badger Lane
6. Holtzman Rd

## Stand-alone Projects

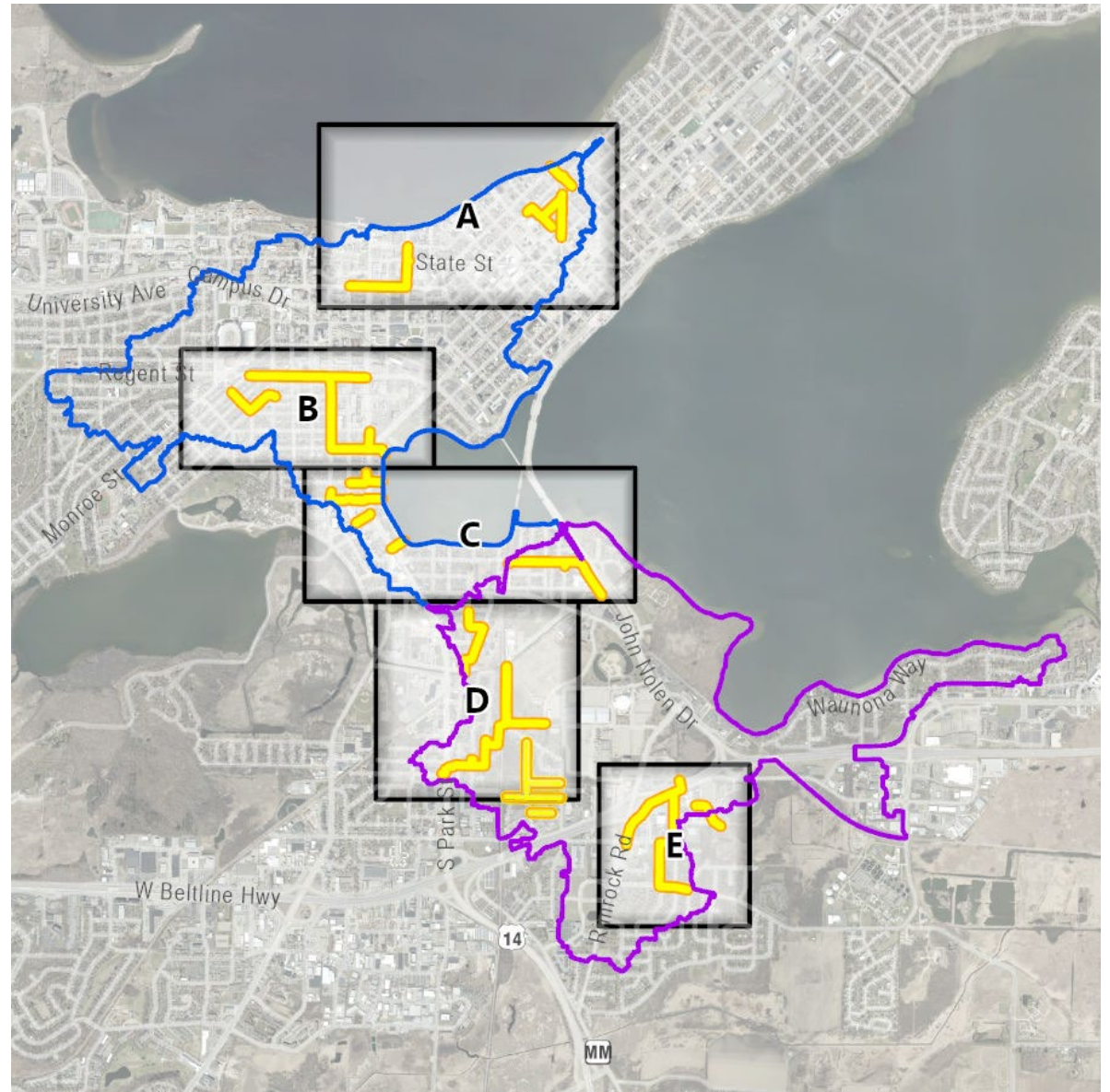
7. Bram to Wingra and Alliant Energy Outlet
8. Rimrock Pond Outlet

# E Lakeside St/Sayle St

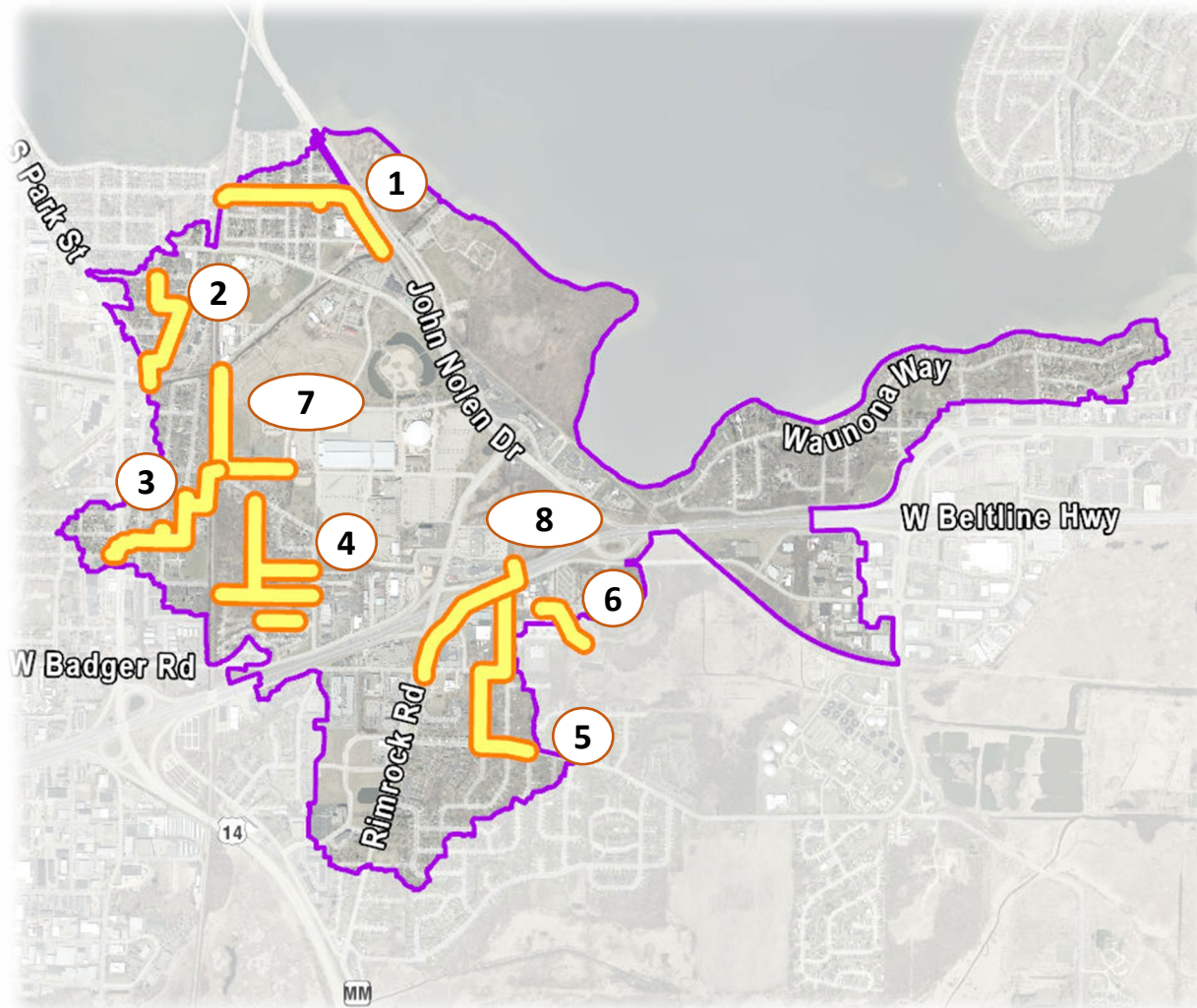
- ▶ Reduce flooding for 100-yr event
- ▶ Increase storm sewer size
- ▶ Est. Cost - \$3.1M



# Breakout Room D



# John Nolen: Local Storm Sewer Improvements



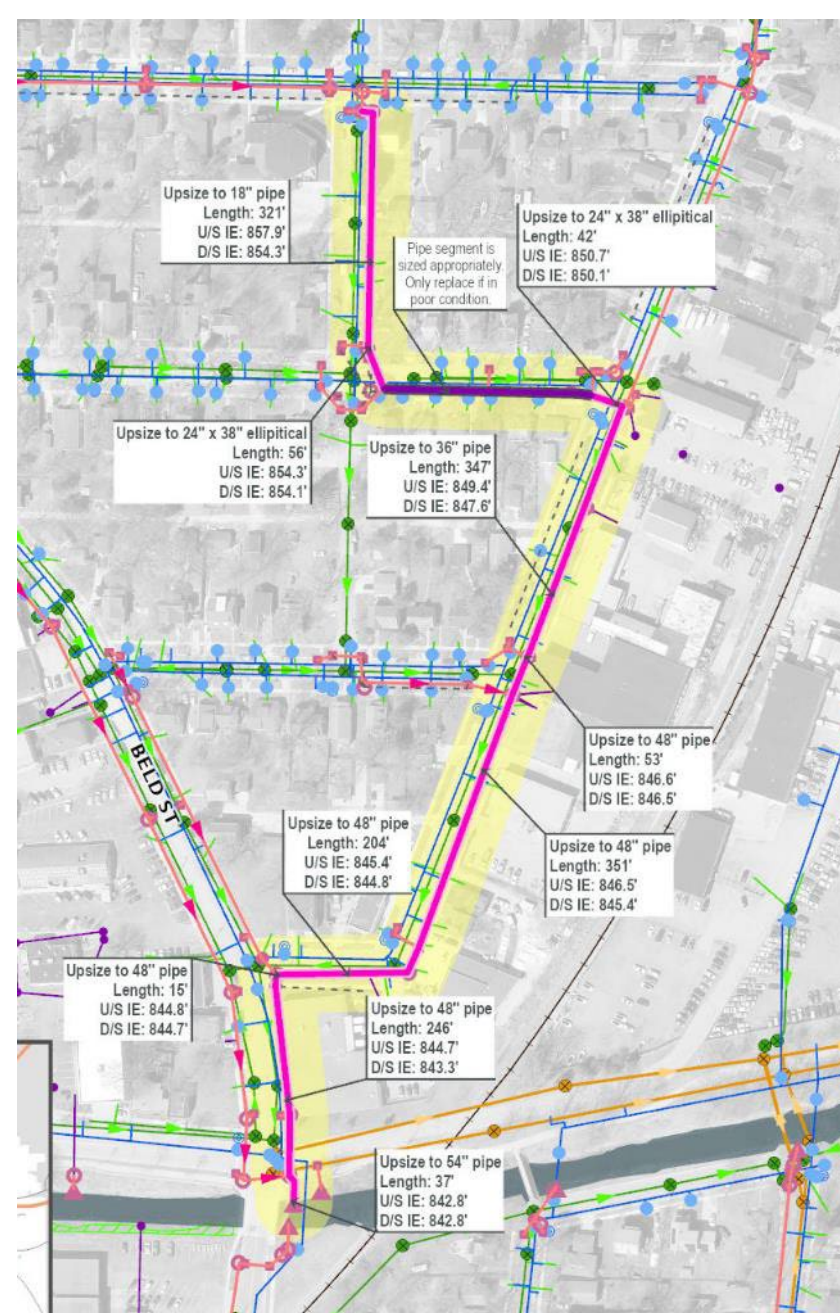
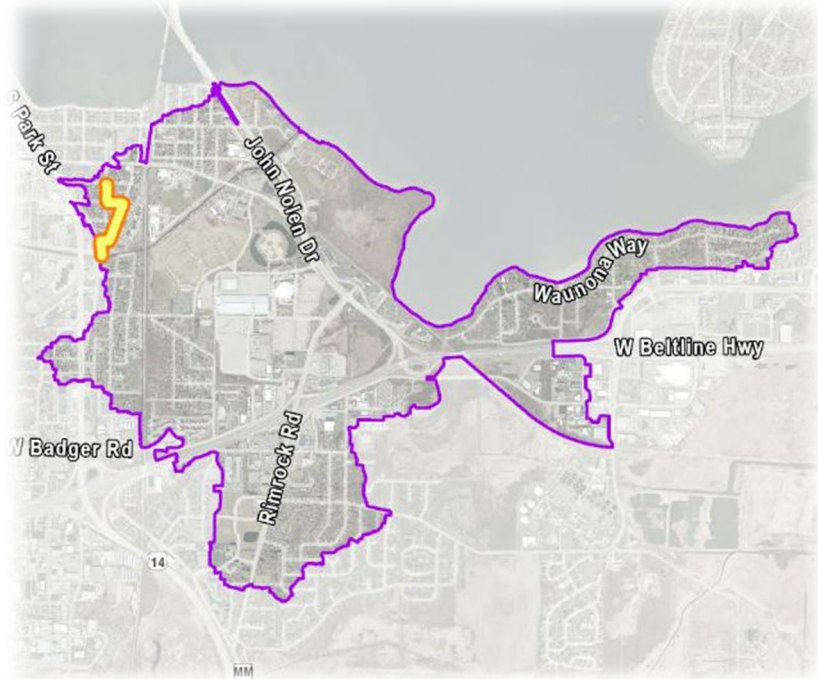
1. E Lakeside St/Sayle St
2. Gilson St
3. Brams Addition
4. Nygard and Sunstrom St
5. Badger Lane
6. Holtzman Rd

## Stand-alone Projects

7. Bram to Wingra and Alliant Energy Outlet
8. Rimrock Pond Outlet

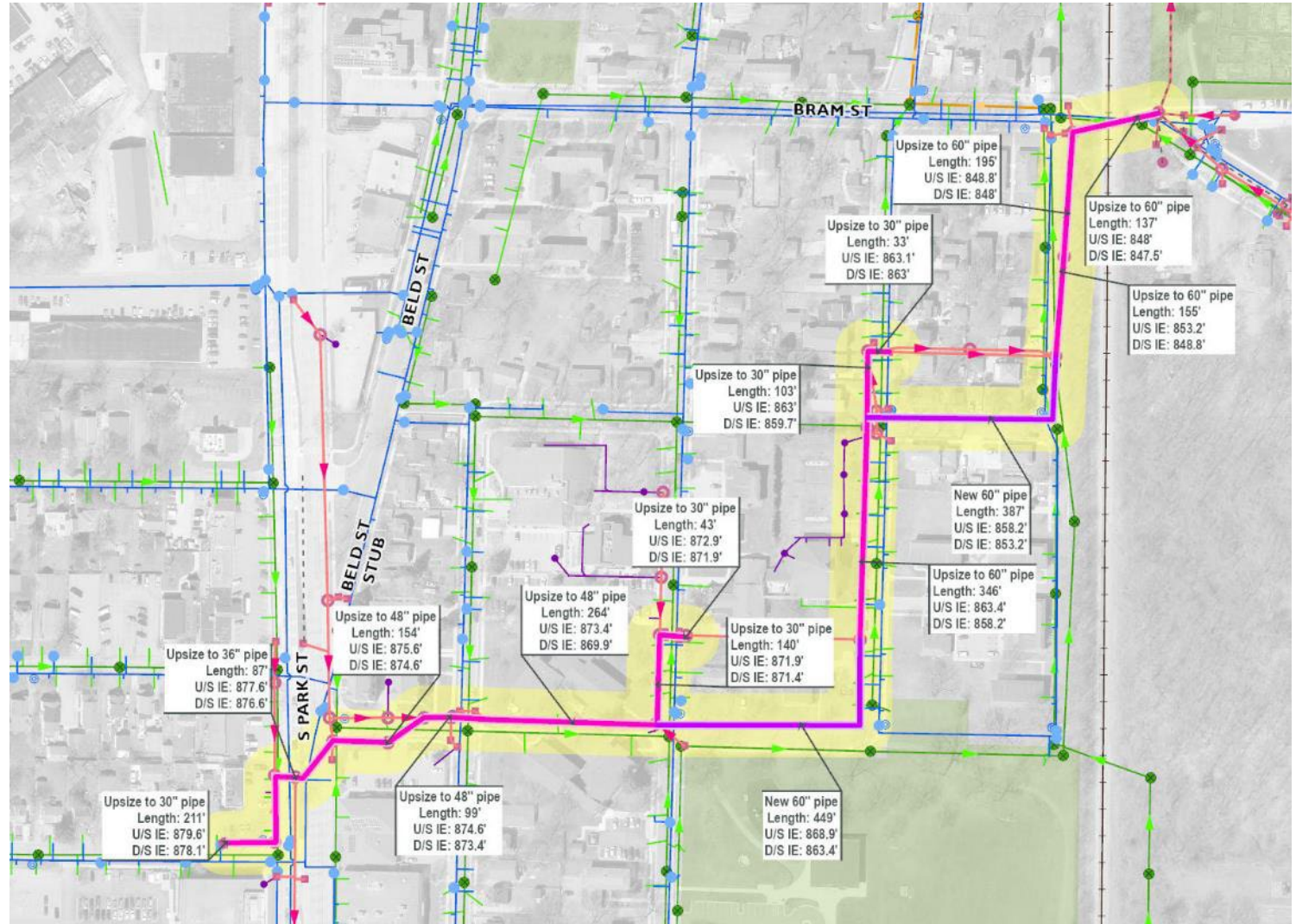
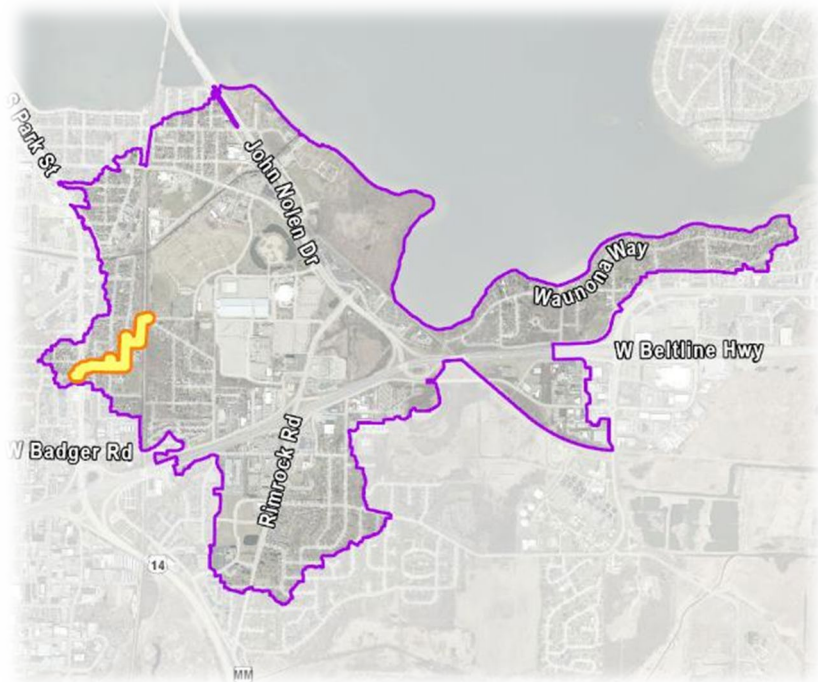
# Gilson St

- ▶ Reduce flooding for 10-yr event
- ▶ Increase storm sewer size
- ▶ Est. Cost - \$0.9M



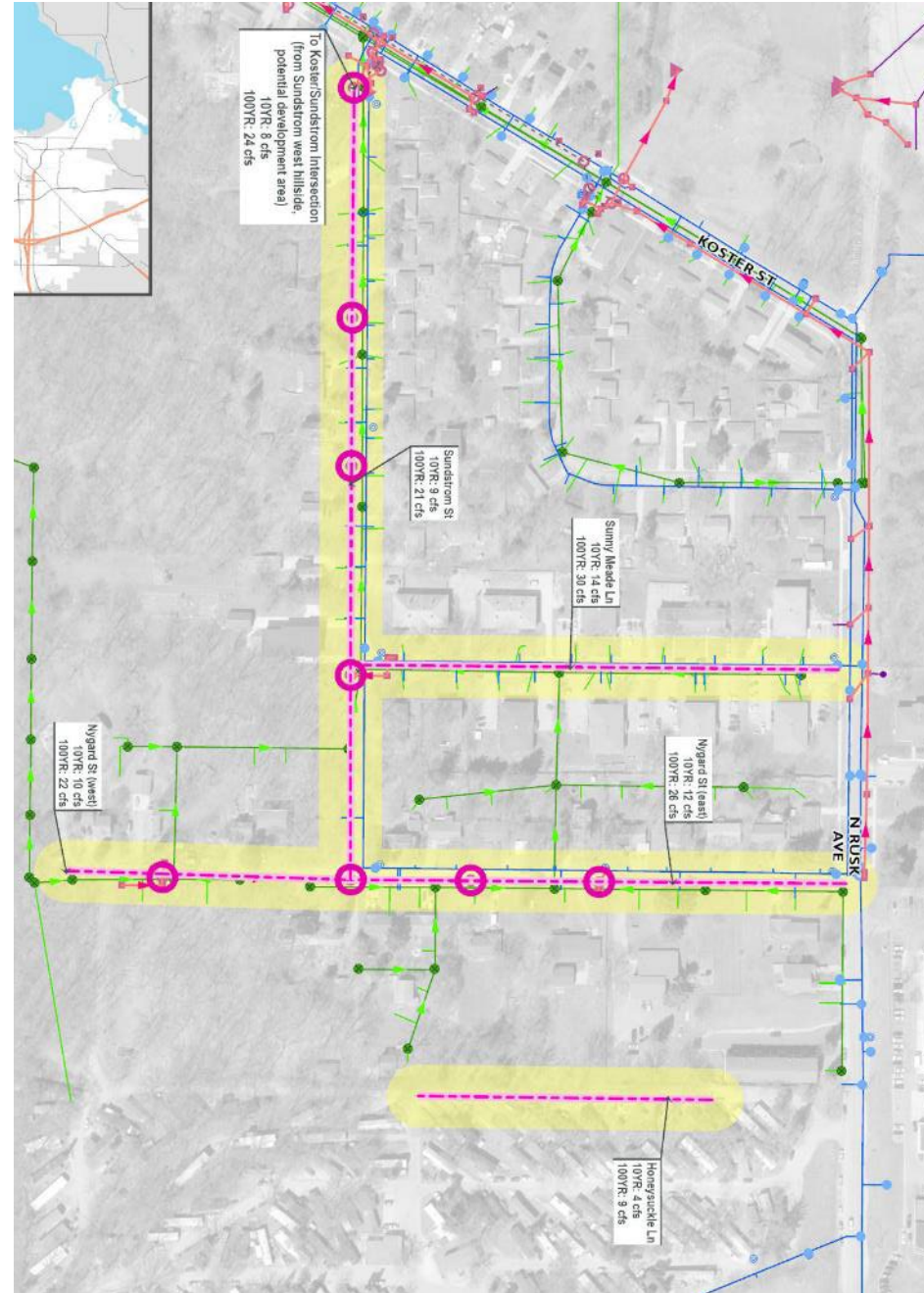
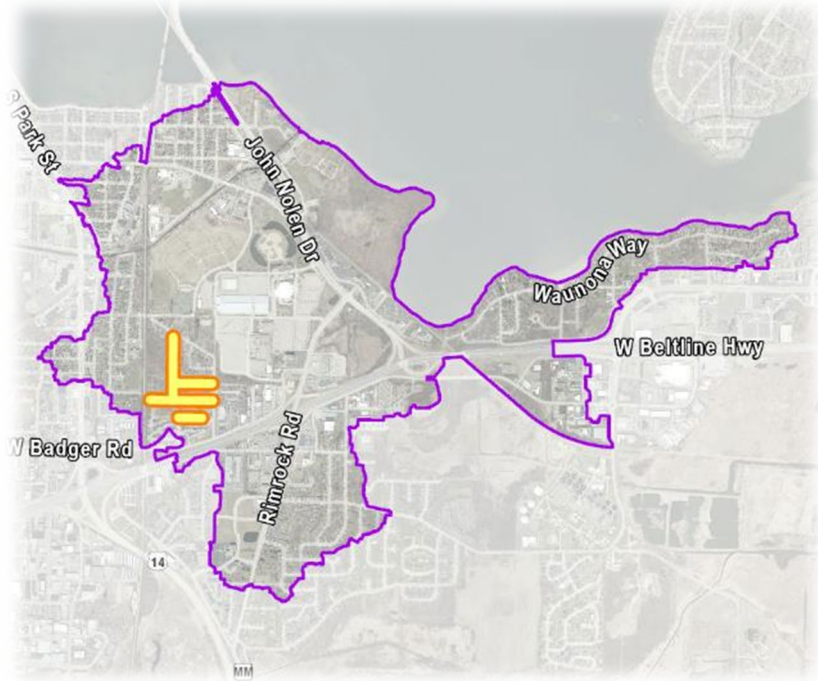
# Brams Addition

- ▶ Reduce flooding for 100-yr event
- ▶ Increase storm sewer size
- ▶ Remove pipes between private structures and into right-of-way
- ▶ Est. Cost - \$1.4M



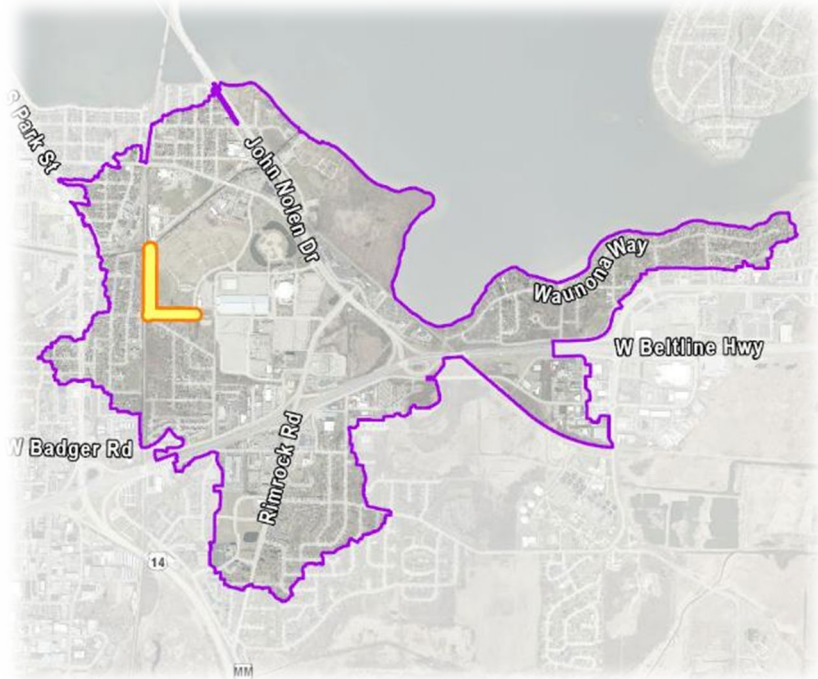
# Nygaard and Sunstrom St

- ▶ Neighborhood previously within Town of Madison
- ▶ Relocated inlets and provide more capacity
- ▶ Est. Cost - \$0.2M



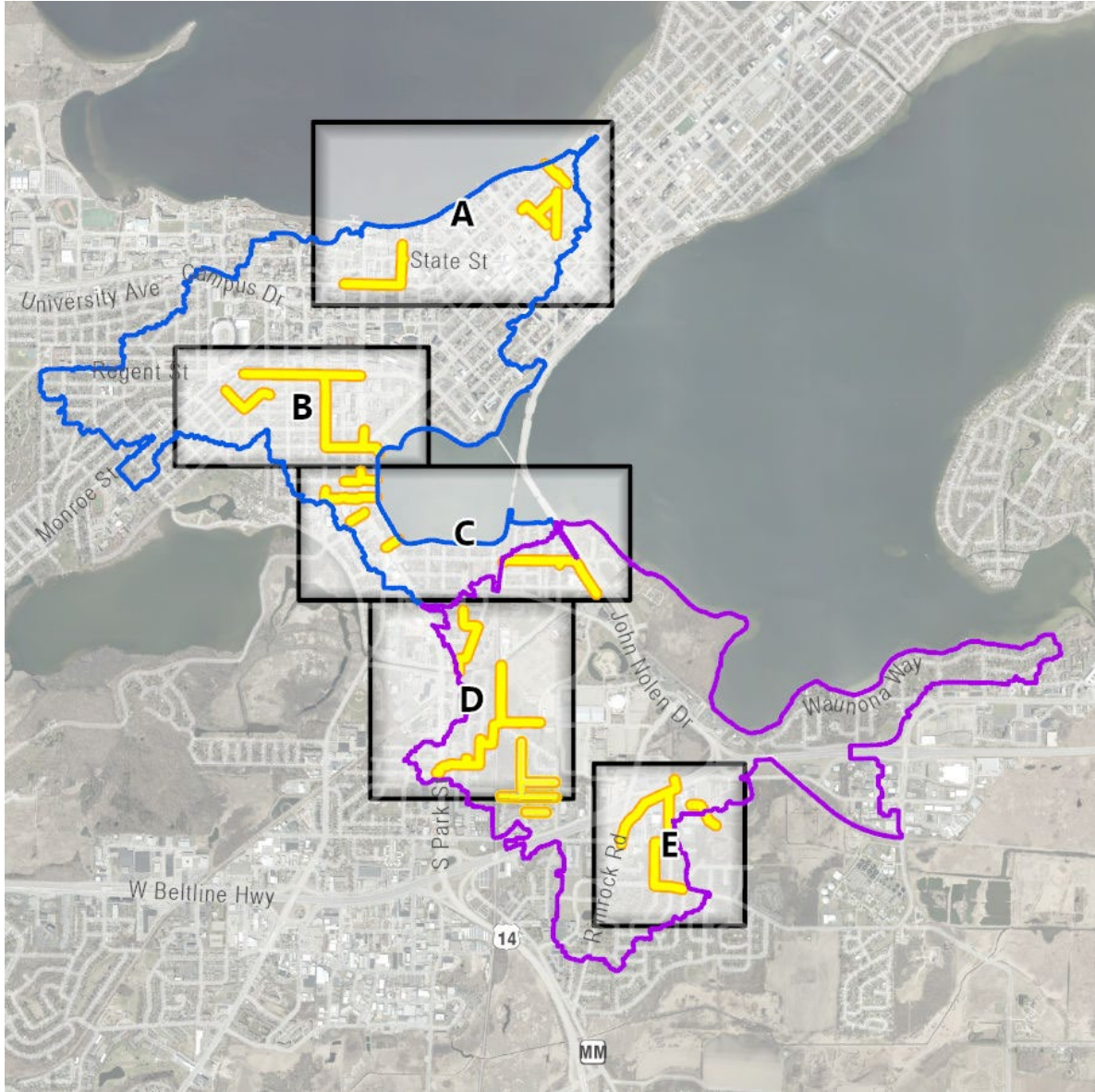
# Bram to Wingra and Alliant Energy Outlet

- ▶ Reduce flooding for 100-yr event
- ▶ Increase storm sewer size, realign Alliant pipe to street right-of-way
- ▶ Cross old landfill area
- ▶ Est. Cost - \$7.5M+

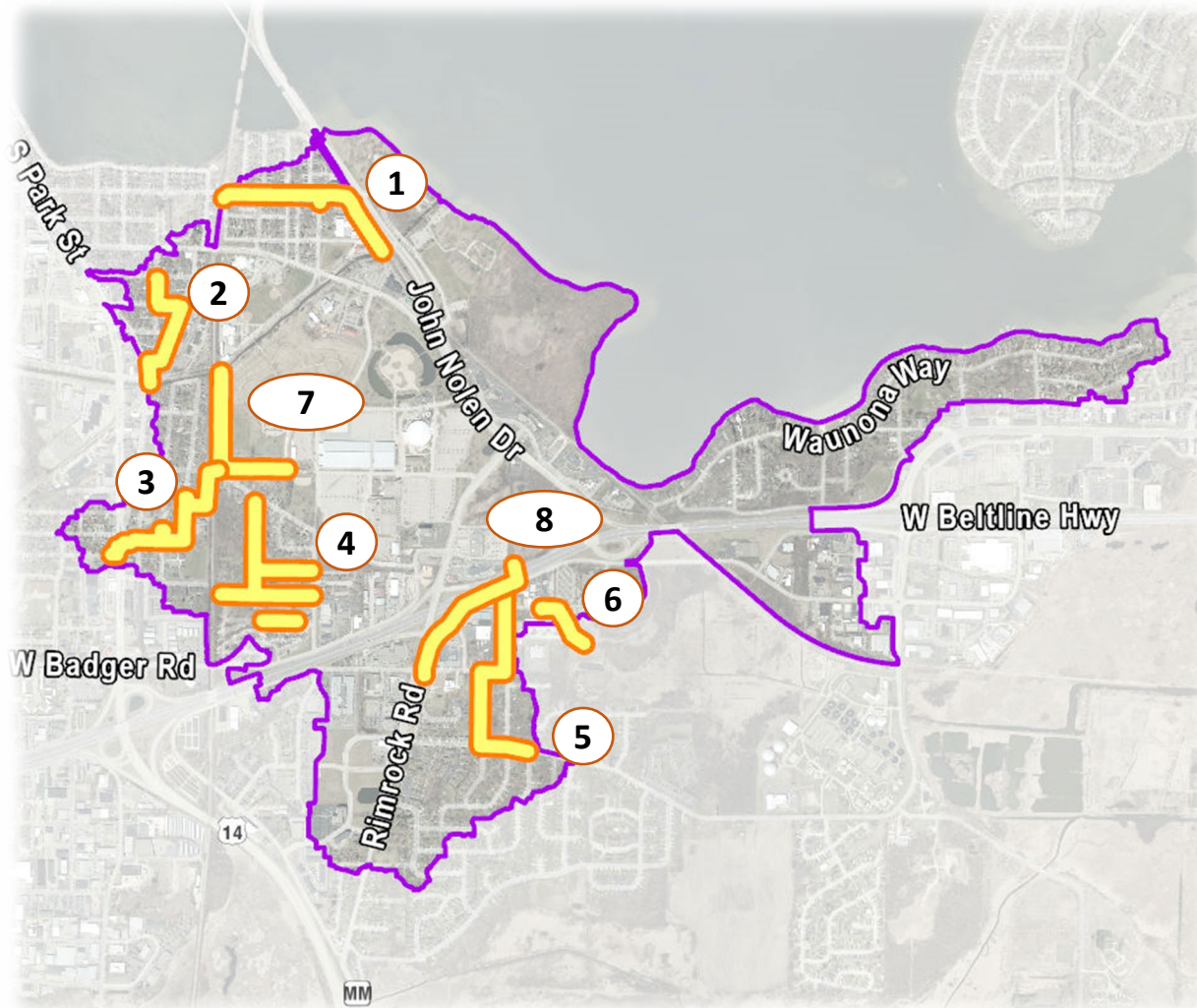




# Breakout Room E



# John Nolen: Local Storm Sewer Improvements



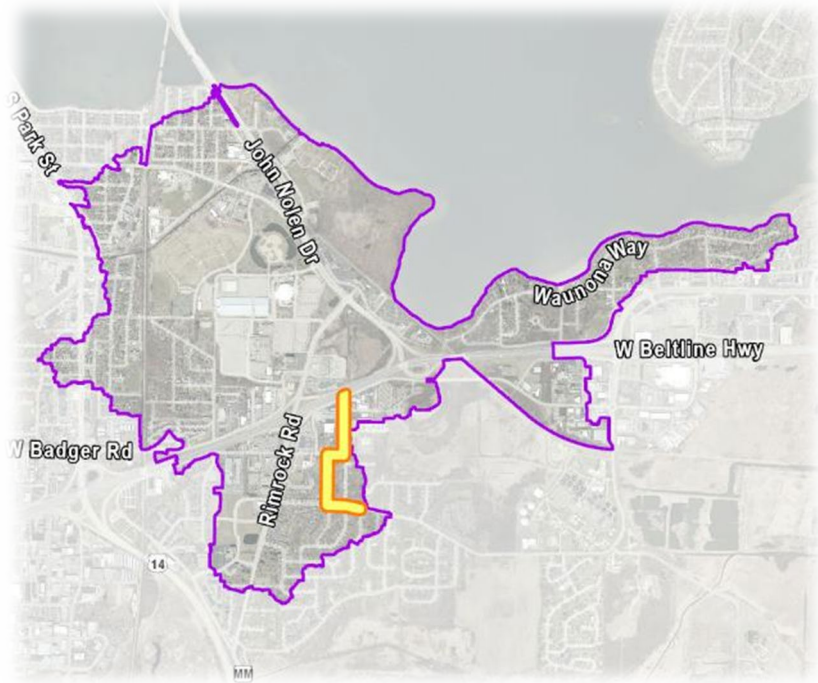
1. E Lakeside St/Sayle St
2. Gilson St
3. Brams Addition
4. Nygard and Sunstrom St
5. Badger Lane
6. Holtzman Rd

## Stand-alone Projects

7. Bram to Wingra and Alliant Energy Outlet
8. Rimrock Pond Outlet

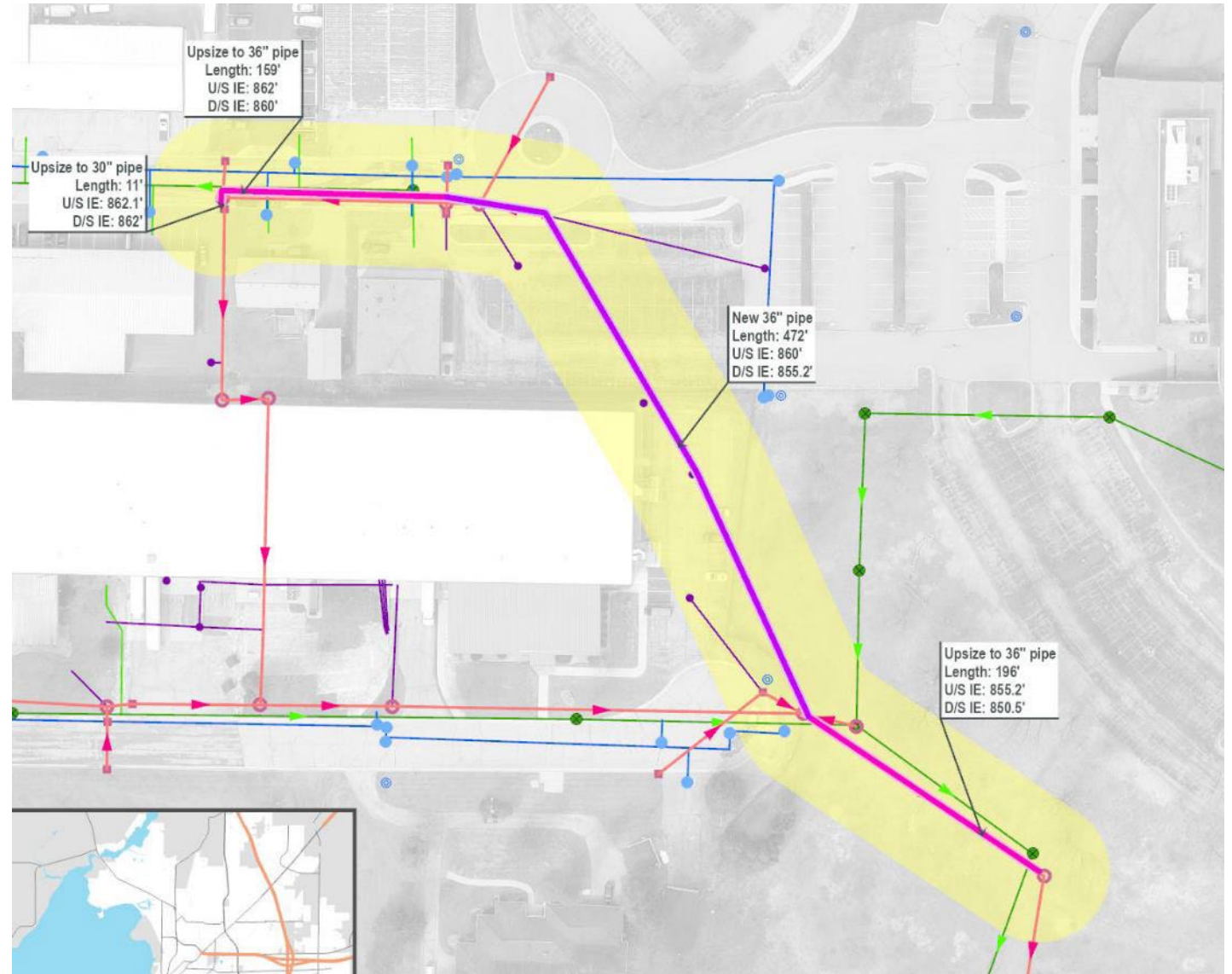
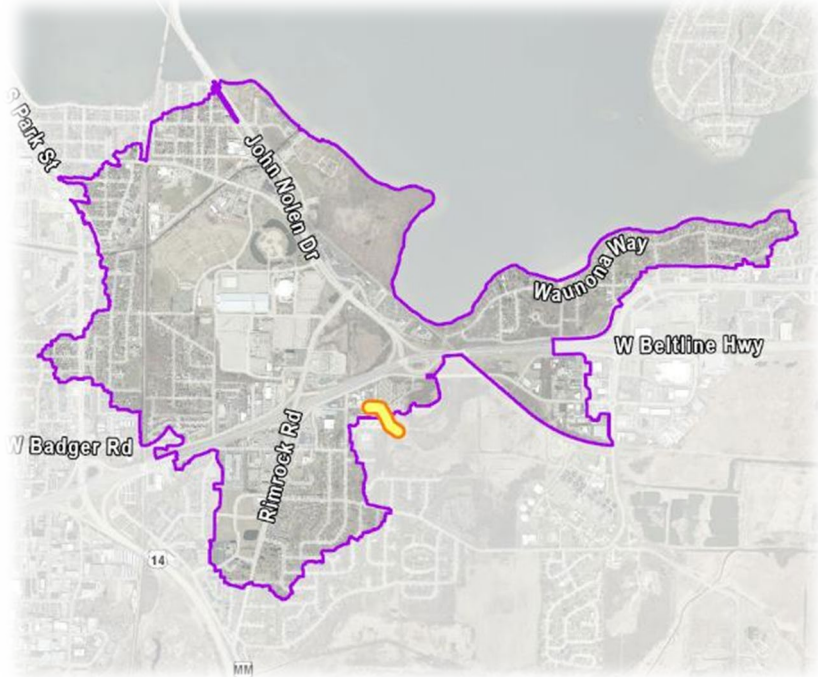
# Badger Lane

- ▶ Reduce flooding for 100-yr event
- ▶ Install new storm sewer (currently unsewered)
- ▶ Est. Cost - \$1.2M



# Holtzman Rd

- ▶ Reduce flooding for 10-yr event
- ▶ Storm sewer currently underneath a building
- ▶ Project will occur if region is redeveloped
- ▶ Est. Cost - \$0.5M



# Rimrock Pond Outlet

- ▶ Reduce flooding for 100-yr event
- ▶ Improve conveyance from the pond to the lake
- ▶ Requires tunneling under the beltline
- ▶ Est. Cost - \$5.8M

