



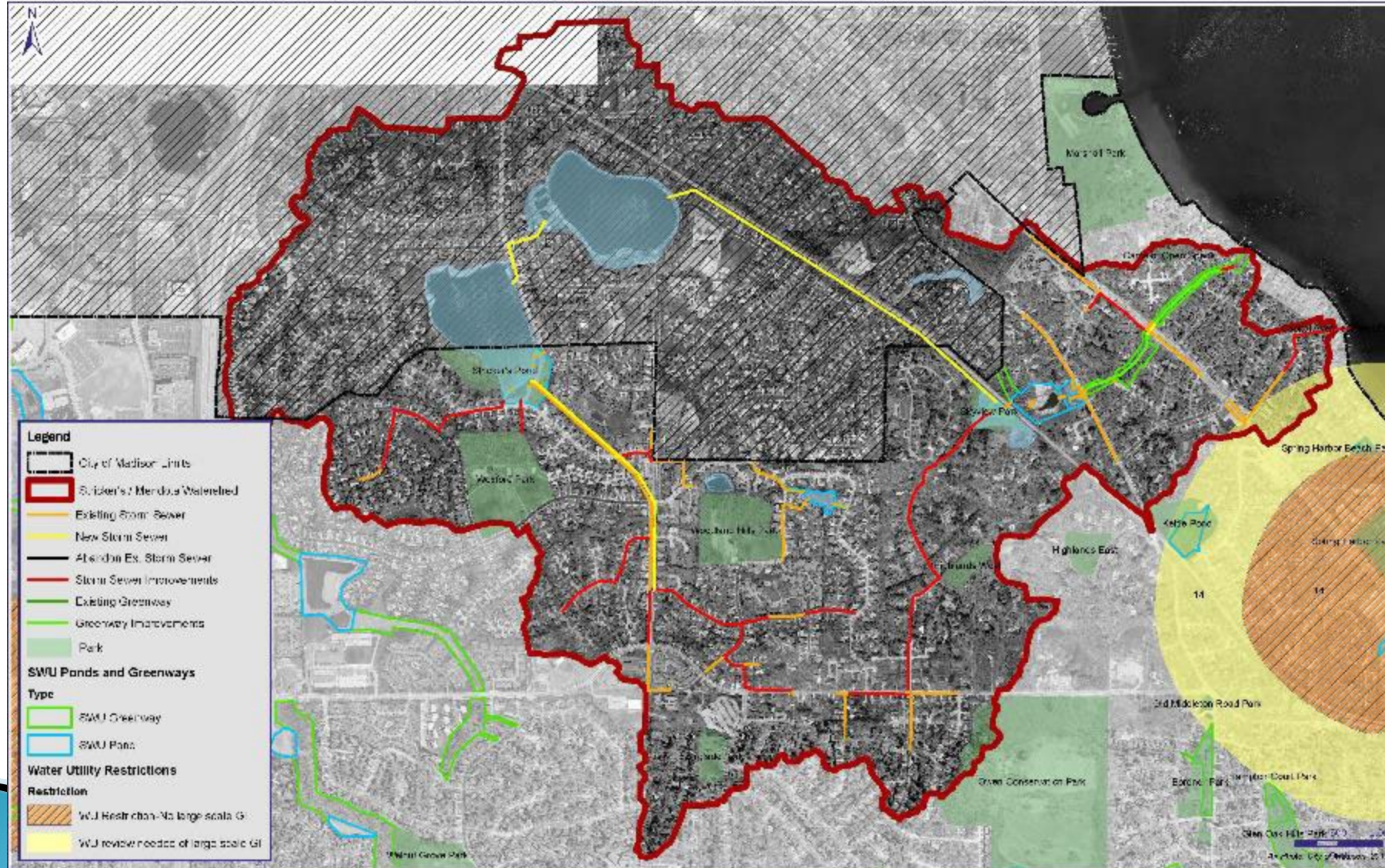
# Stricker's/Mendota Watershed Study Solutions

by City of Madison Engineering Division  
April 13, 2022

# Results

- ▶ 10% Chance Target – no ponding on streets
  - Existing Conditions:
  - Proposed Conditions:
- ▶ 4% Chance Target – streets passable for emergency vehicles
  - Existing Conditions:
  - Proposed Conditions:
- ▶ 1% Chance Target – no structure flooding
  - Existing Conditions:
  - Proposed Conditions:

# Stricker's/Mendota Watershed Proposed Mitigation Measures



# Stricker's/Mendota Watershed Proposed Mitigation Measures

- ▶ Storm Sewer Pipe Size Increases
- ▶ Significant increase to conveyance capacity
  - Longmeadow Dr Relief Sewer
    - Parallel 60" relief sewer from existing Harvest Hill connection to Stricker's Forebay
    - Improvements to Stricker's Pond/Tiedemann's Pond outlets
  - Mendota-Grassman Greenway Improvements
    - Improve greenway conditions between University Ave to Old Middleton Dr and University Ave to Lake Mendota Dr
    - Parallel 72" pipe beneath University Dr at the crossing
    - Replace and upsize culverts beneath Lake Mendota Dr

# Longmeadow Relief Storm Sewer

*Stricker's/Mendota Watershed*

- ▶ Install parallel 60" relief sewer from existing Harvest Hill connection along Gammon Road and Longmeadow Drive to Stricker's Forebay

Target: Prevent roadway flooding in 10% event

