

# Odana Hills Park Sanitary and Storm Sewer Upgrades

Board of Park Commissioners

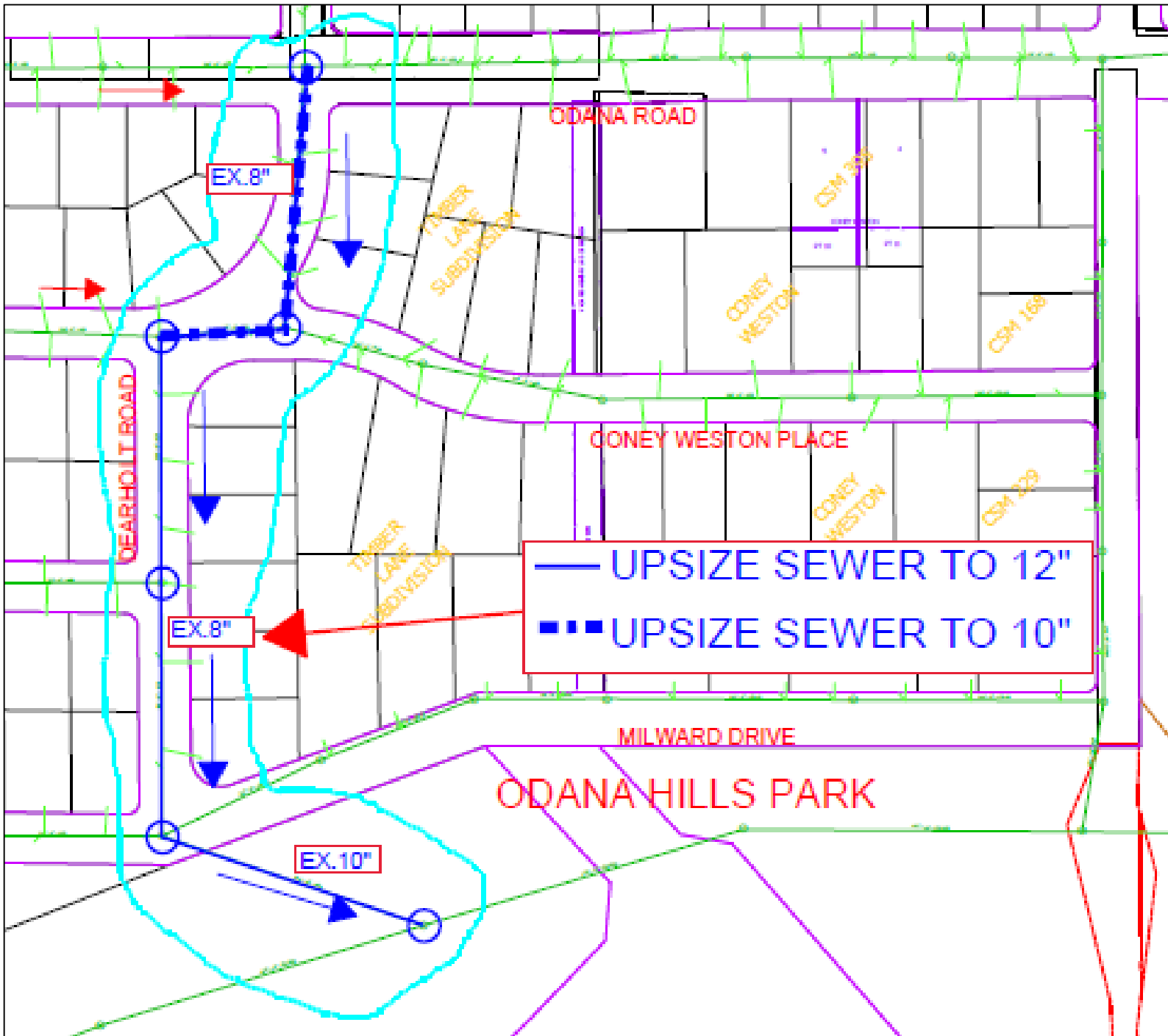
April 14, 2021

# Infrastructure Needs

- Sanitary Sewer
  - West Gate Mall Redevelopment
- Storm Sewer
  - West Wingra Flood Study
  - Flood extent maps and Wetland Maps
  - Upgrades to infrastructure
- Impacts on Park
- Project Schedule

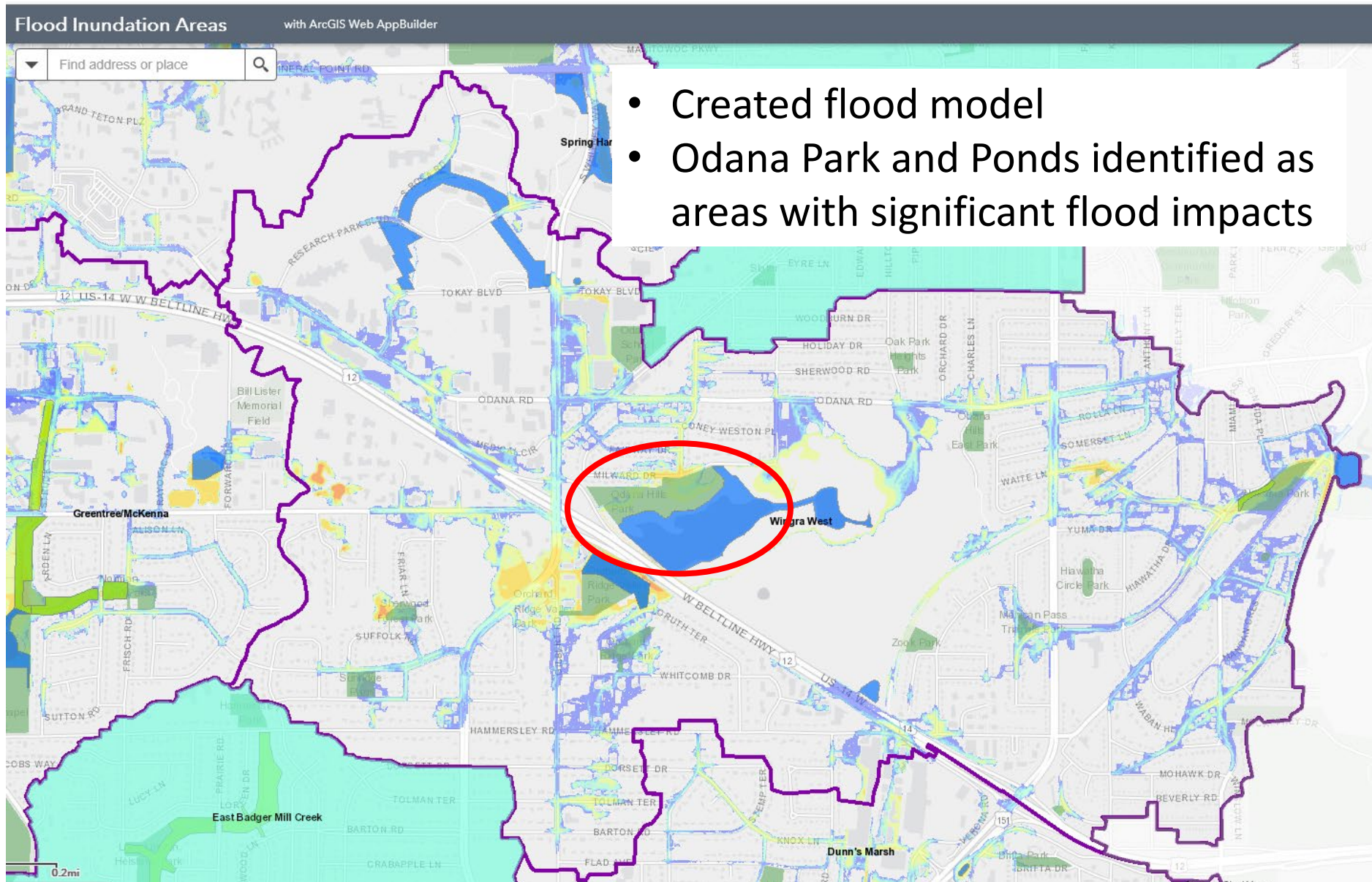
# Sanitary Sewer Upgrades

- Upgrades to serve redevelopment at Westgate
  - Existing infrastructure is old and undersized
  - Adding housing which requires more capacity than the mall
  - The Westgate Mall redevelopment is in keeping with the Odana Area Plan
- Replace sanitary sewer from Odana Rd to the larger interceptor that runs through the park



**SANITARY SEWER UPGRADES ON  
DEARHOLT ROAD AND ODANA HILLS  
PARK**

# Wingra West Watershed Study with flood extents



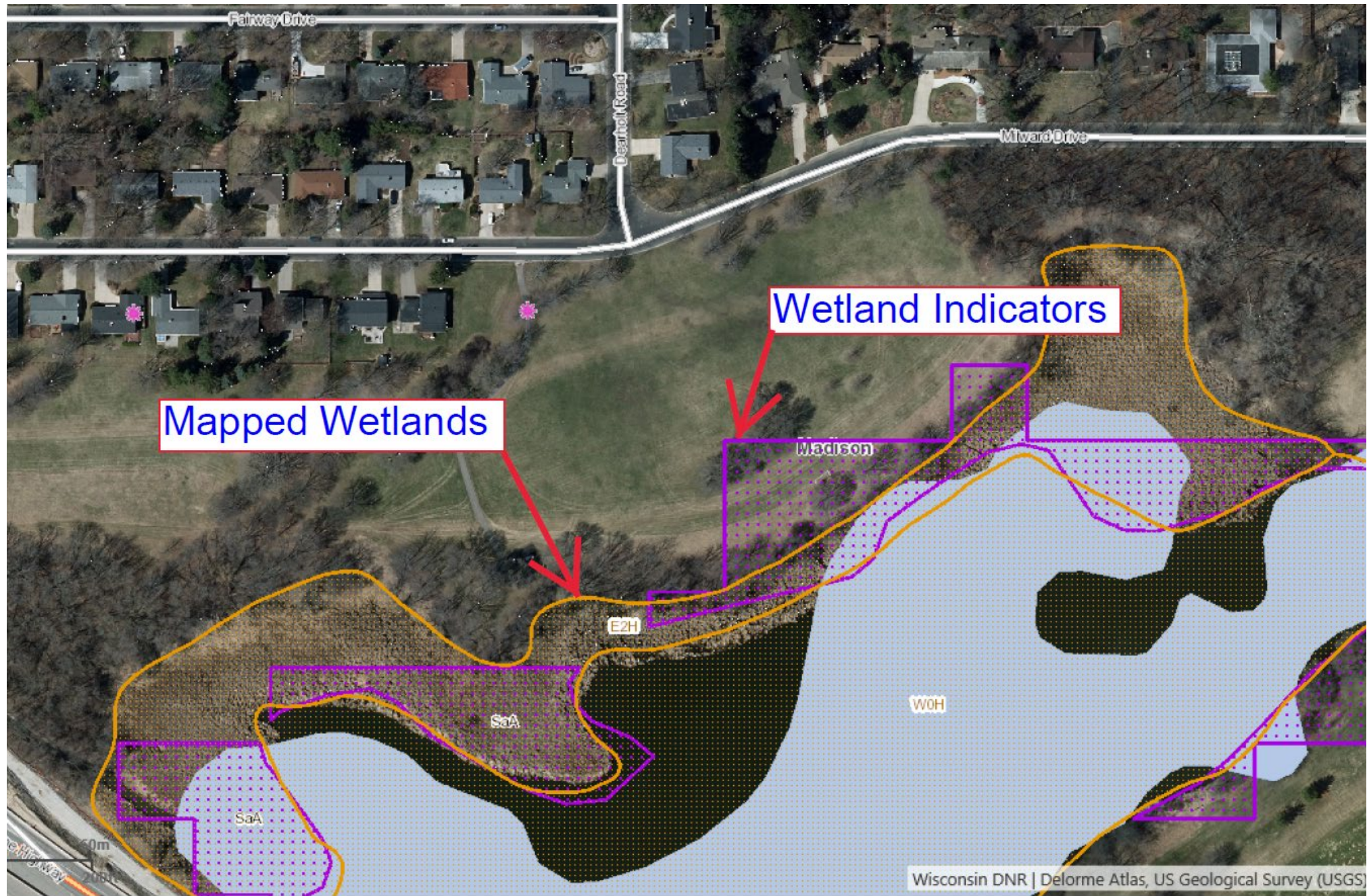


# Flood Extents adjacent to & within Odana Park



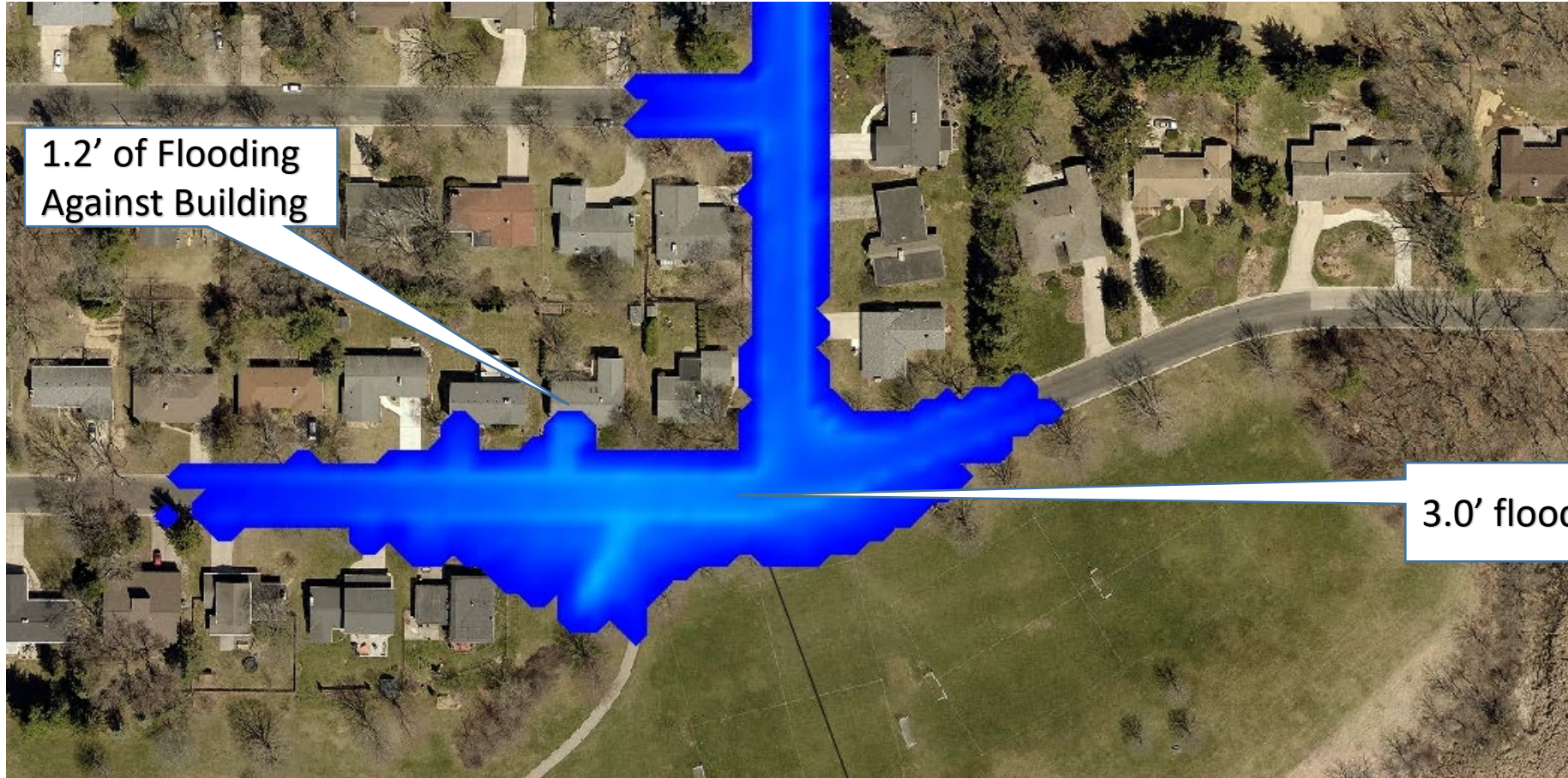


# Wetland Permitting required





# Existing Conditions 10% Storm (4.08")



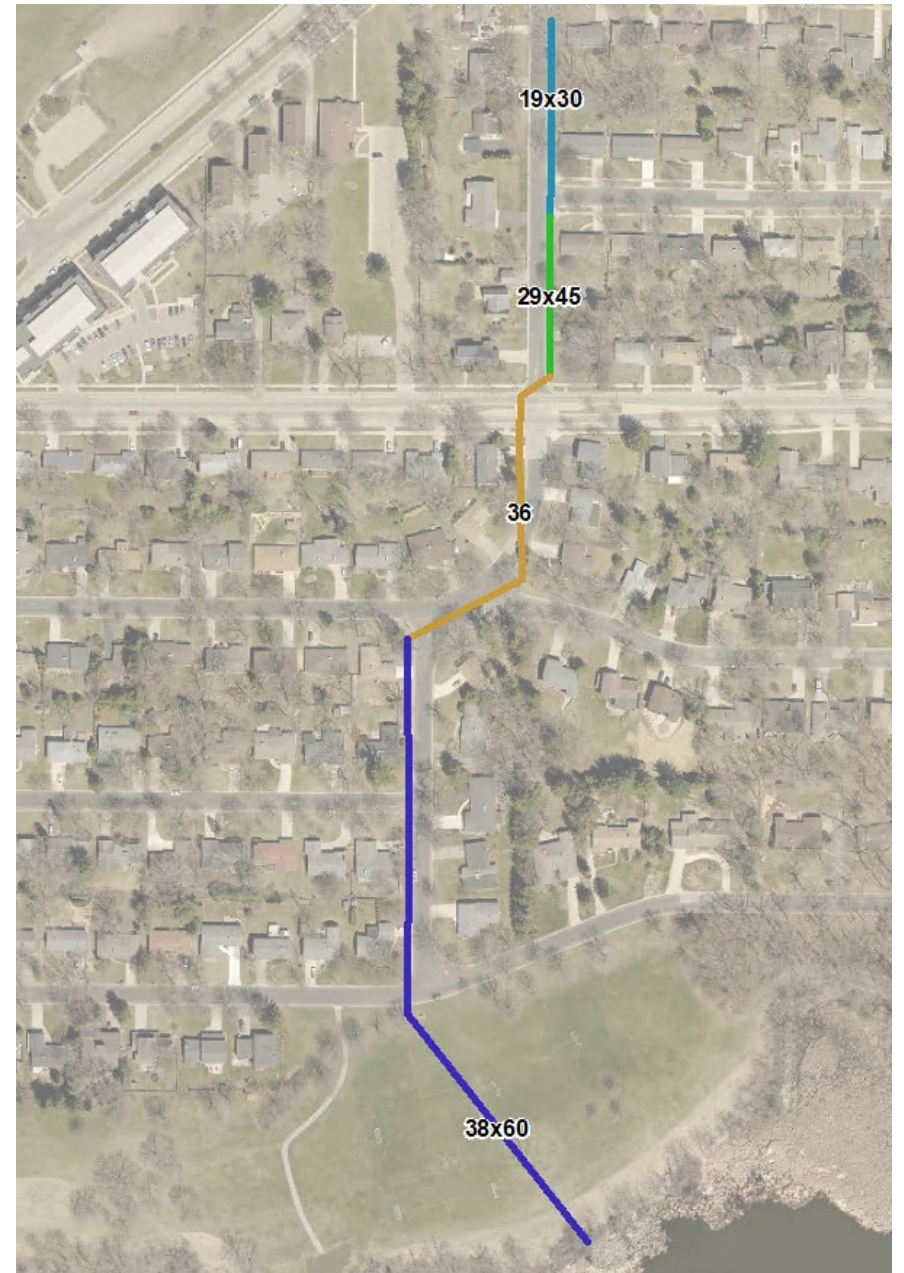
- Property damage
- Roadways impassable
- Significant overtopping and drainage into Park

3.0' flooding in Road



# Proposed Pipe Upgrades

- Upsizing pipes for future conditions
- Increased number of inlets also needed to fill larger pipes
- Pipe utilizes existing corridor though park





# With Dearholt Upsize, 10% Storm (4.08") and No Modifications to Odana Pond



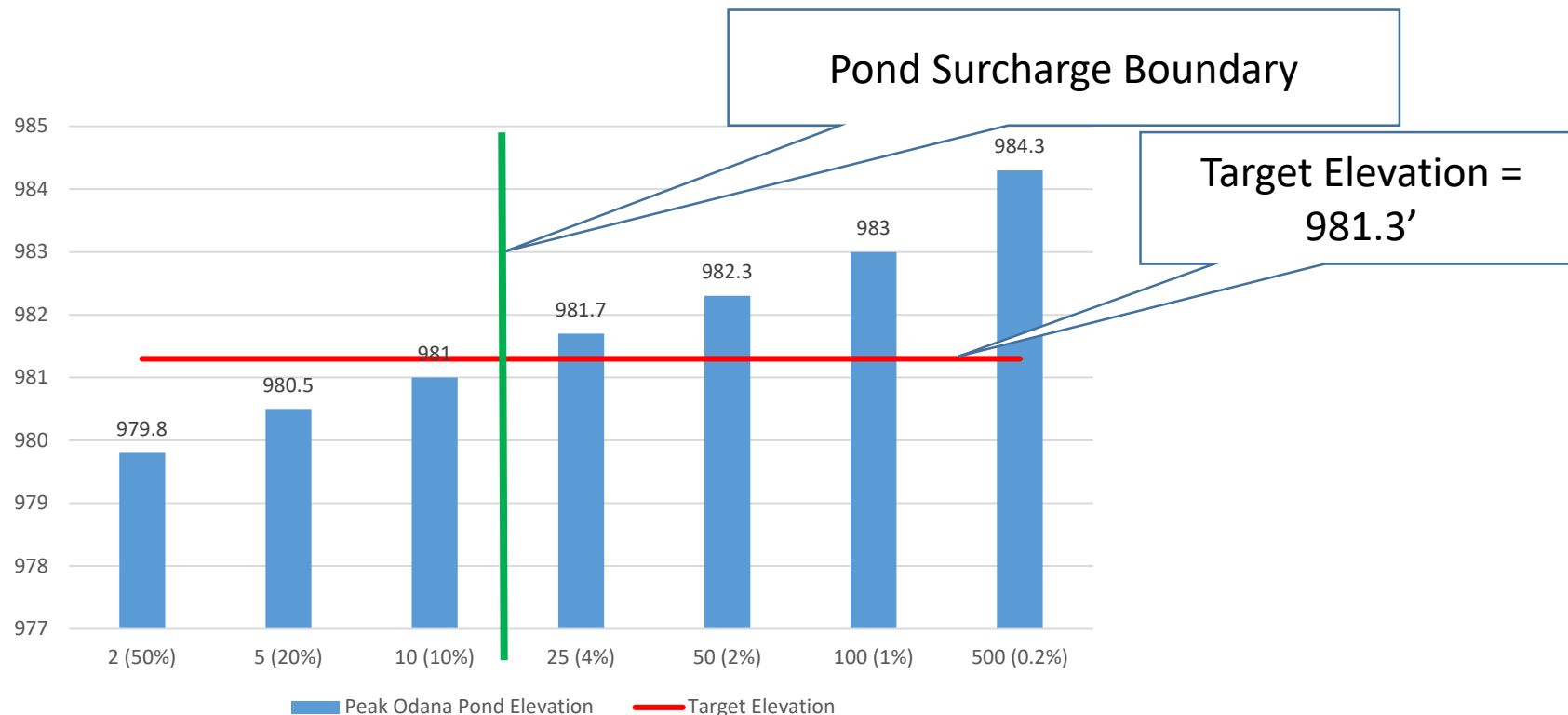
- Property not flooded
- Roadways passable
- Minimal overtopping into Park

0.6' flooding in Road



# Pipes and Inlets Sized to Protect Structures for the 1% Storm 6.66"

- The impact of the pipes above the 10% storm is limited
- For rain storms above 4.08" , Odana pond surcharges above the target elevation



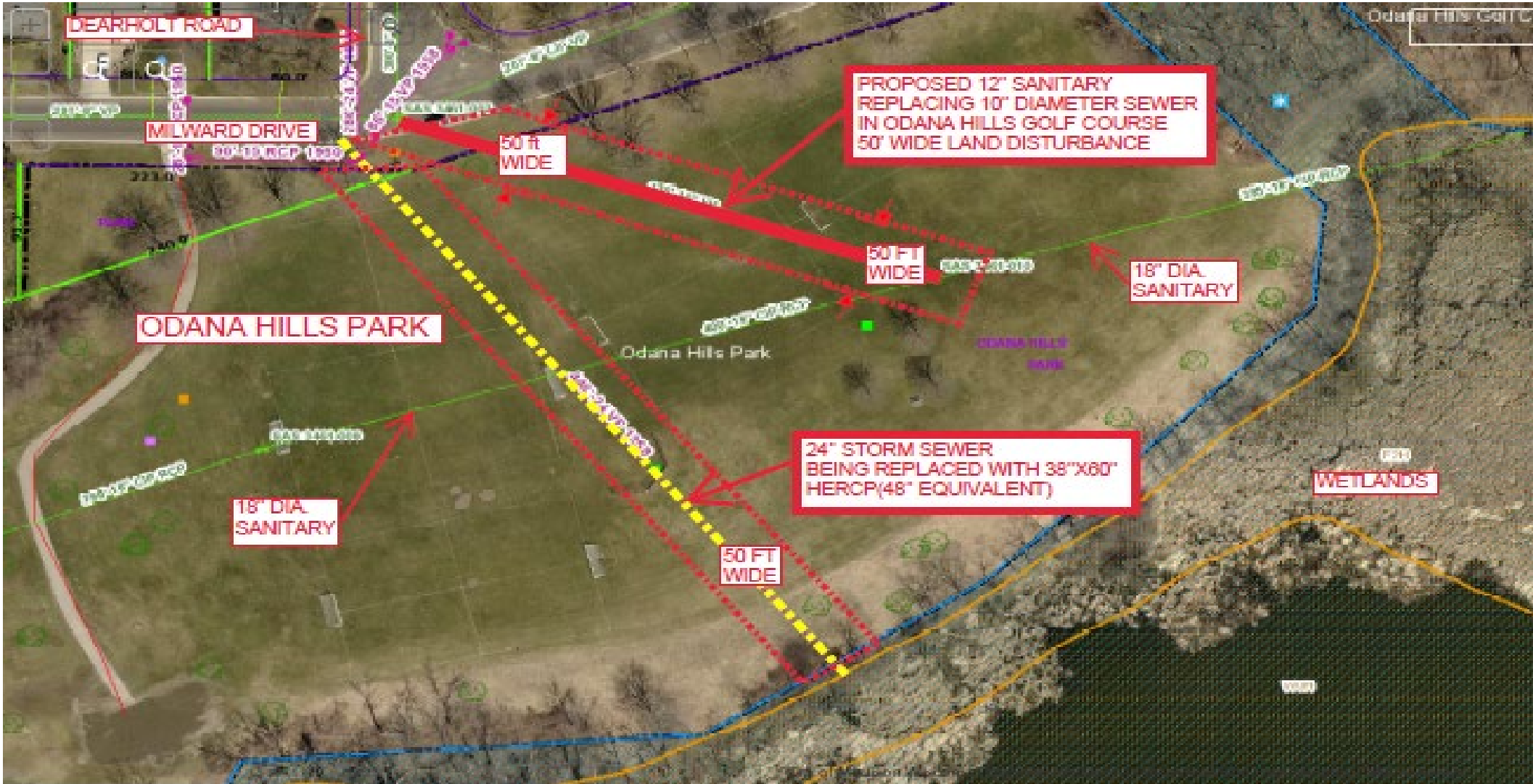
# Impacts to Park and Restoration

- Park to be closed in project area
- Minimal staging and vehicle traffic
- Coordinate with Parks staff on limits for construction; fence off area for safety
- Will adhere to work hour limitations as provided by Parks staff
- Protection of trees
- Minimizes trench disturbances
- Field Restoration in fall 2021





# ODANA HILLS PARK SANITARY AND STORM SEWER UPGRADES



- ..... LAND DISTURBANCE LIMITS 50' WIDE
- PROPOSED SEWER UPGRADE SEWER UNDERSIZED FOR WESTGATE REDEVELOPMENT

# Project Schedule

- Public Informational Meeting held March 24, 2021
- Approvals required
  - BPC April 14, 2021
  - BPW April 21, 2021
  - CC May 4, 2021
- Wetland Permitting and General Permit for Storm Sewer (1 month +/-)
- Advertise for Bids May/June 2021
- Start work August/September; complete construction in park fall 2021
- Street work will likely continue into spring 2022