



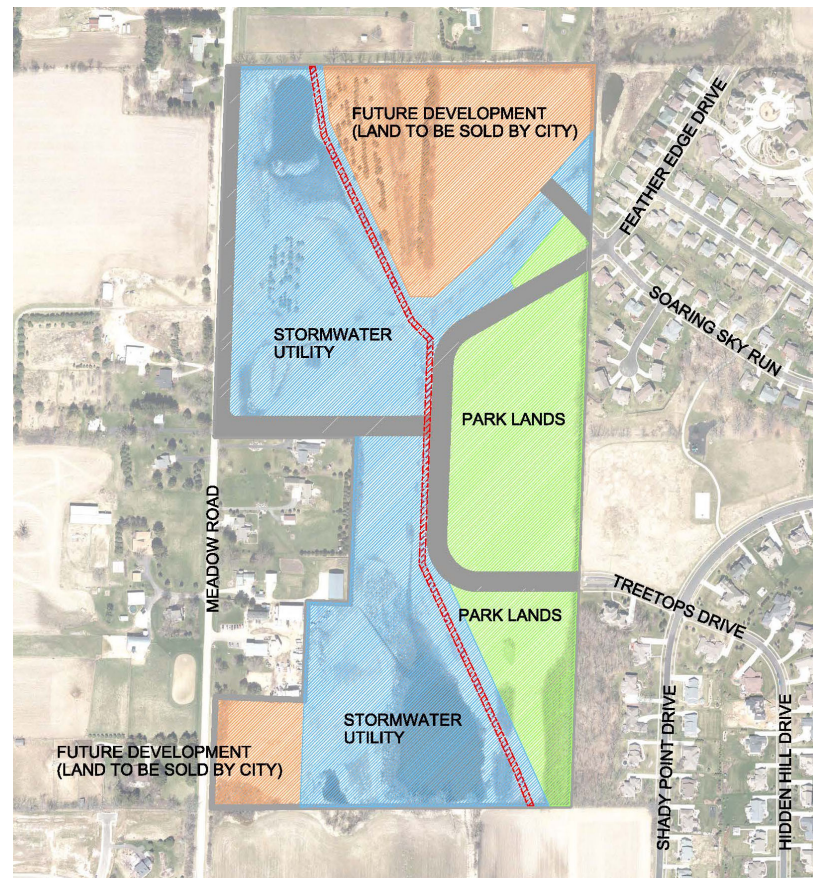
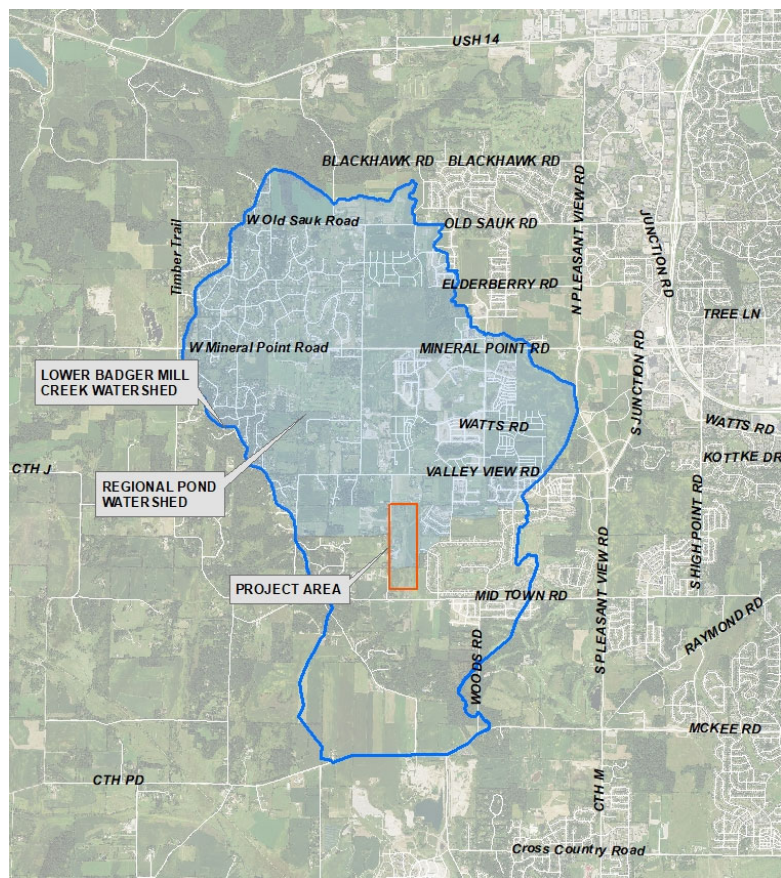
# Lower Badger Mill Creek Pond Construction

Habitat Stewardship Subcommittee  
City of Madison Engineering Division  
November 7, 2022

CITY OF **MADISON**



# Project Location

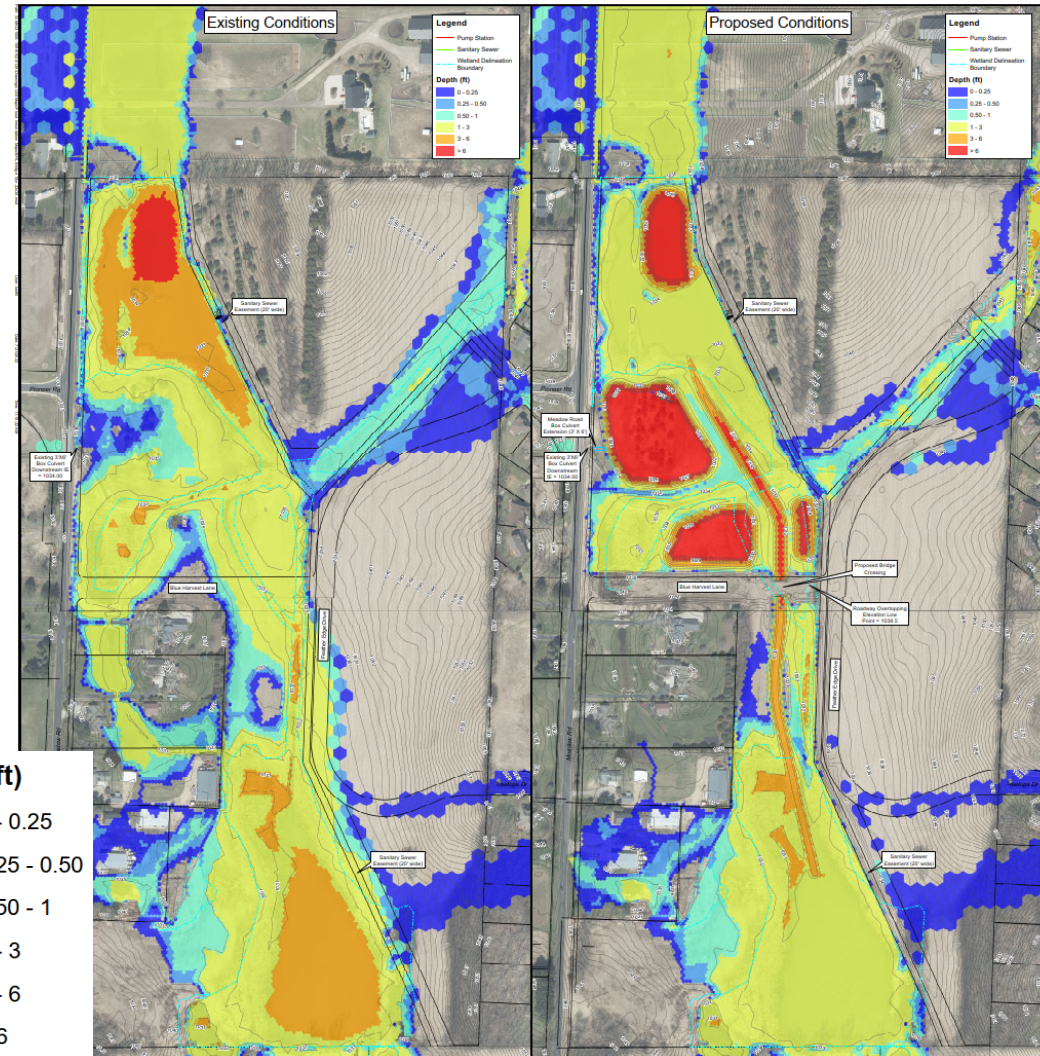
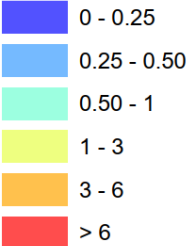
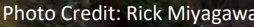


CITY OF **MADISON**





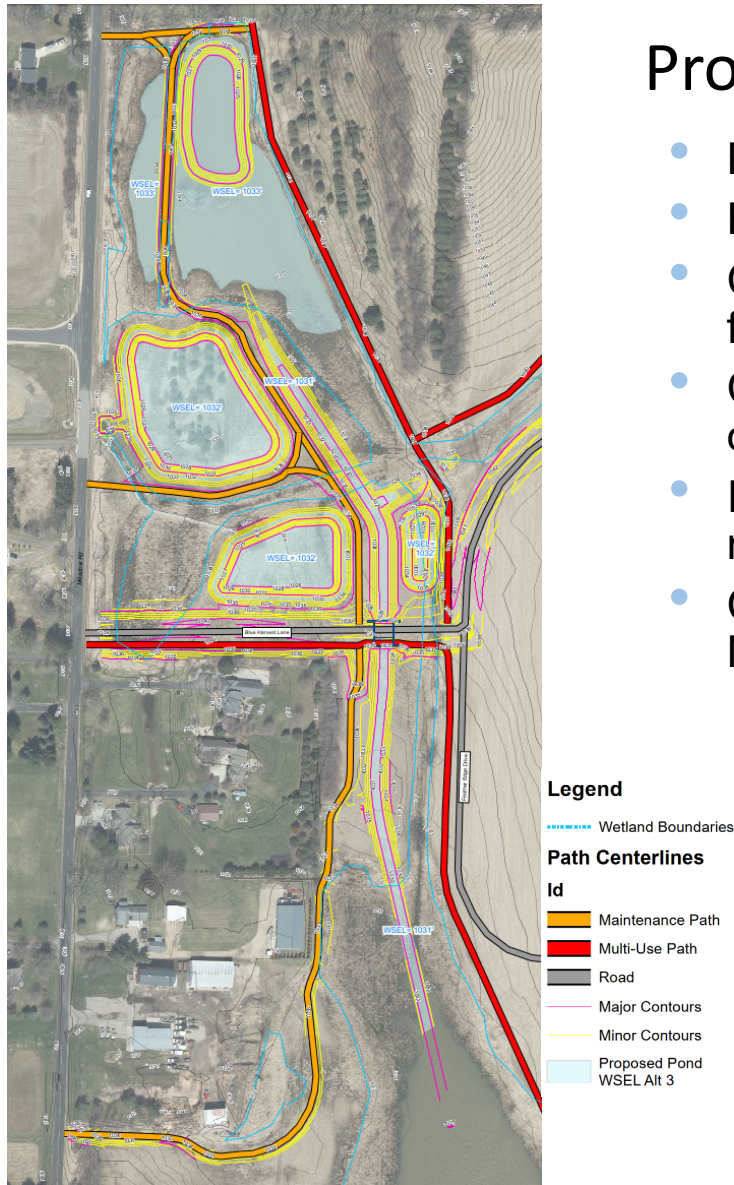
- Regional stormwater storage & flow diversion





# Proposed Pond Design

- Provide storage for regional stormwater flow
- Reduce peak flow leaving watershed
- Correct drainage patterns to mitigate flooding on private property
- Construct wet ponds that provide water quality benefit
- Incorporate gravel access paths and paved multi-use paths
- Construct street connection shown in Neighborhood Development Plan

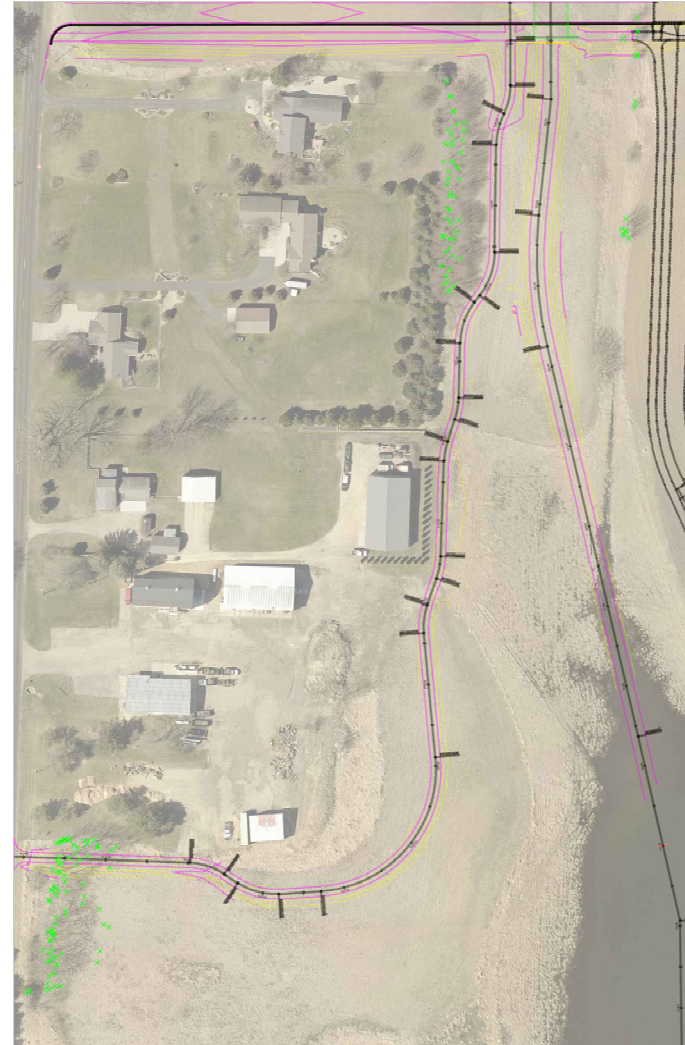
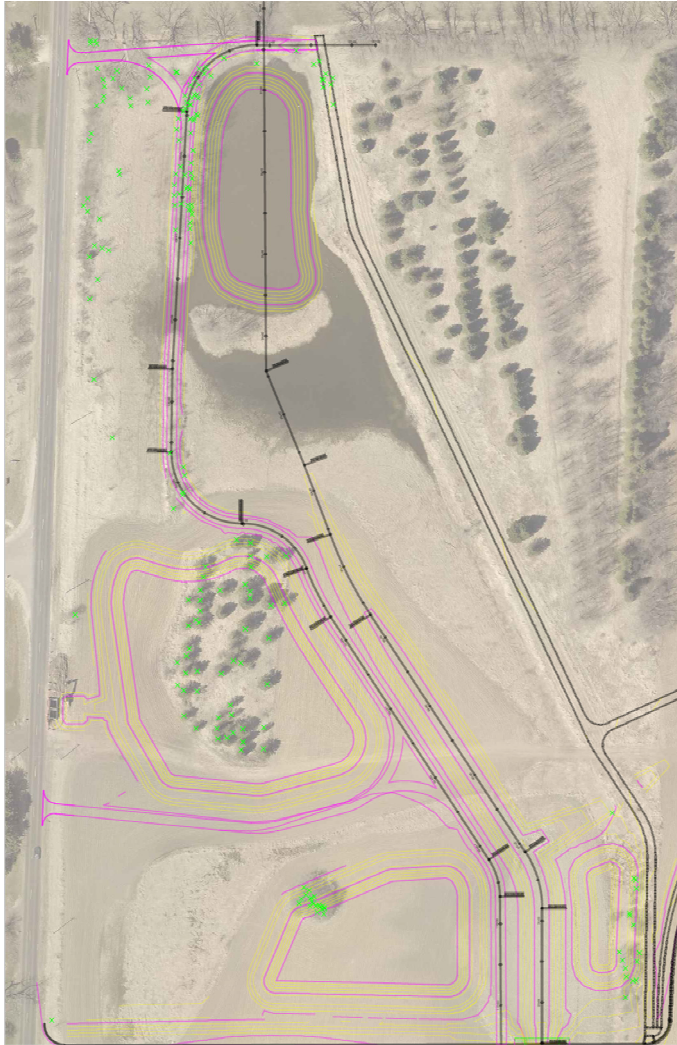


CITY OF **MADISON**





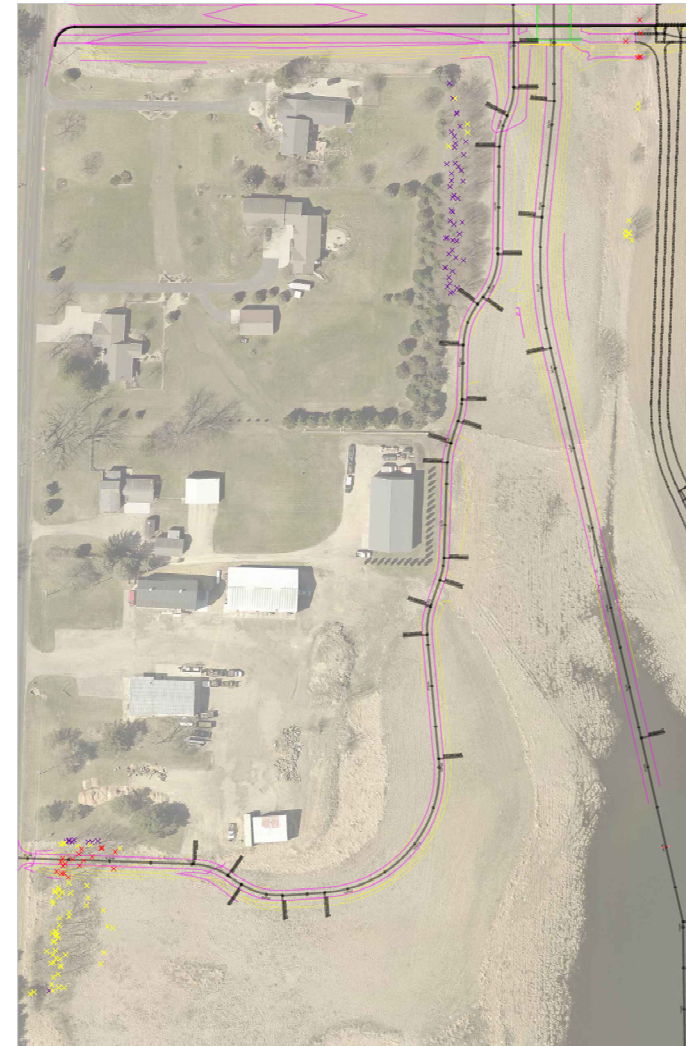
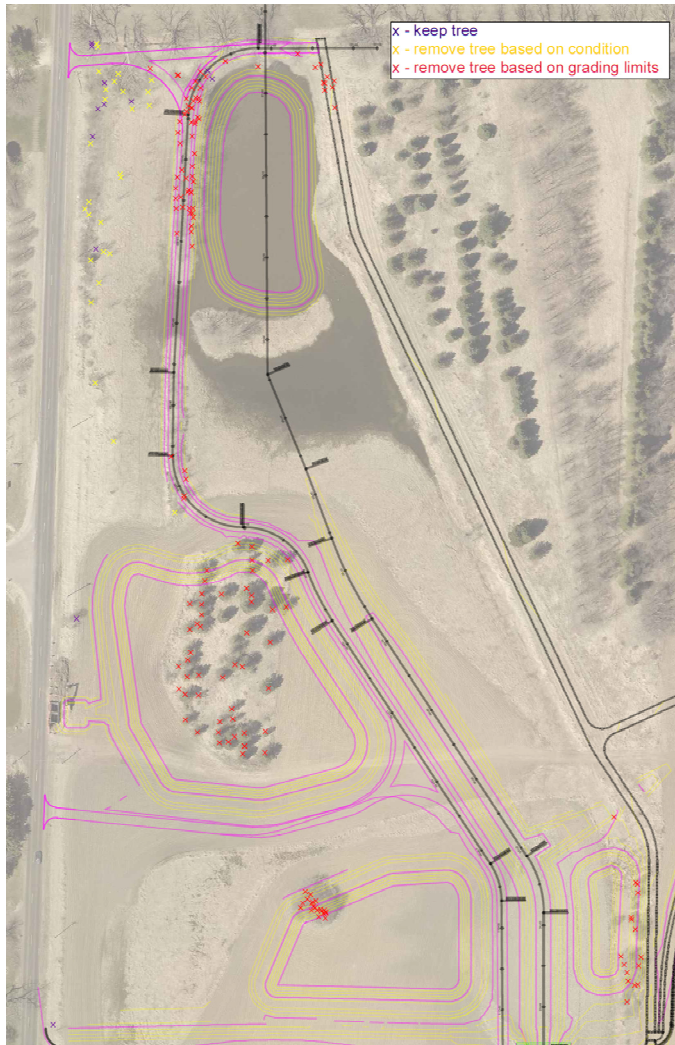
## All Trees - 340 surveyed (>3" diameter)



ISON



# Tree Removals for Grading (red) - 178

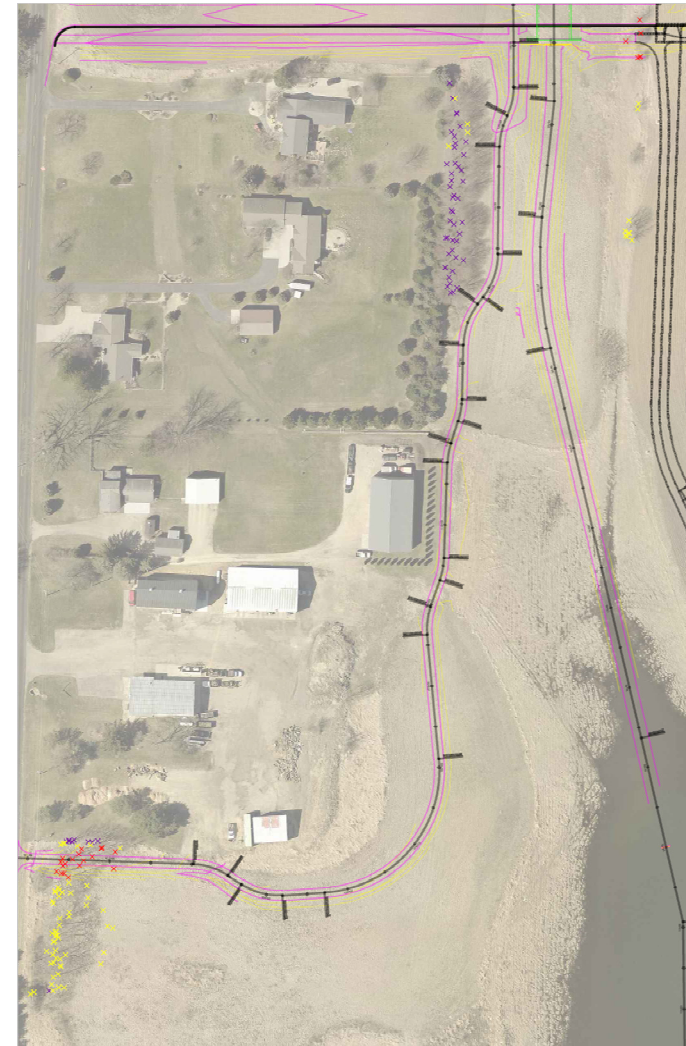
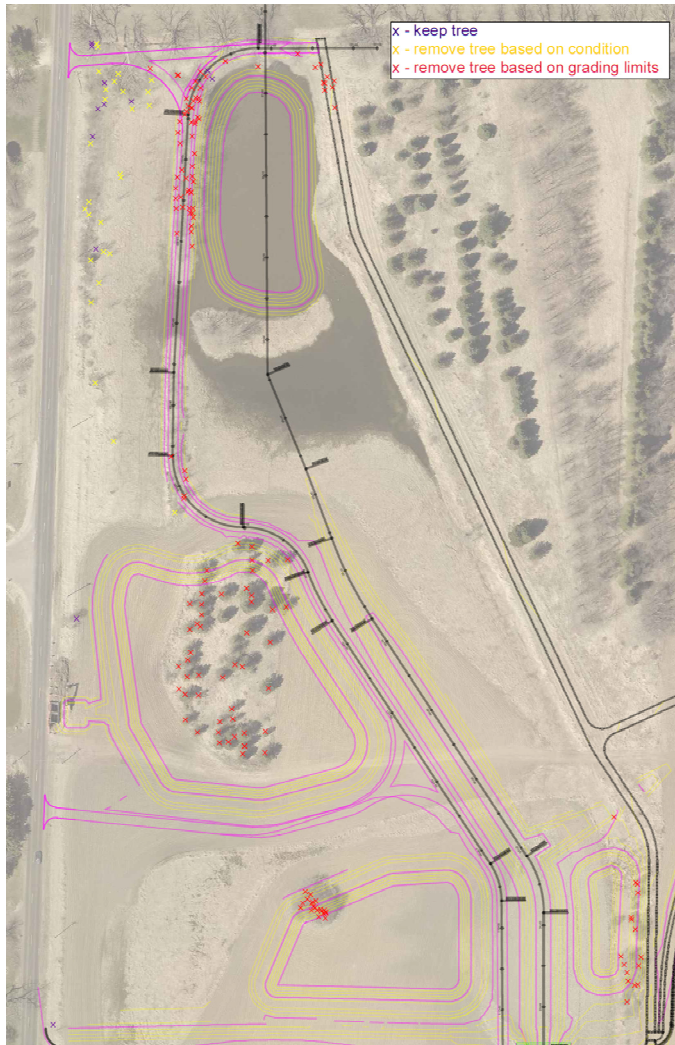


ISON





# Tree Removals Based on Quality (yellow) - 94

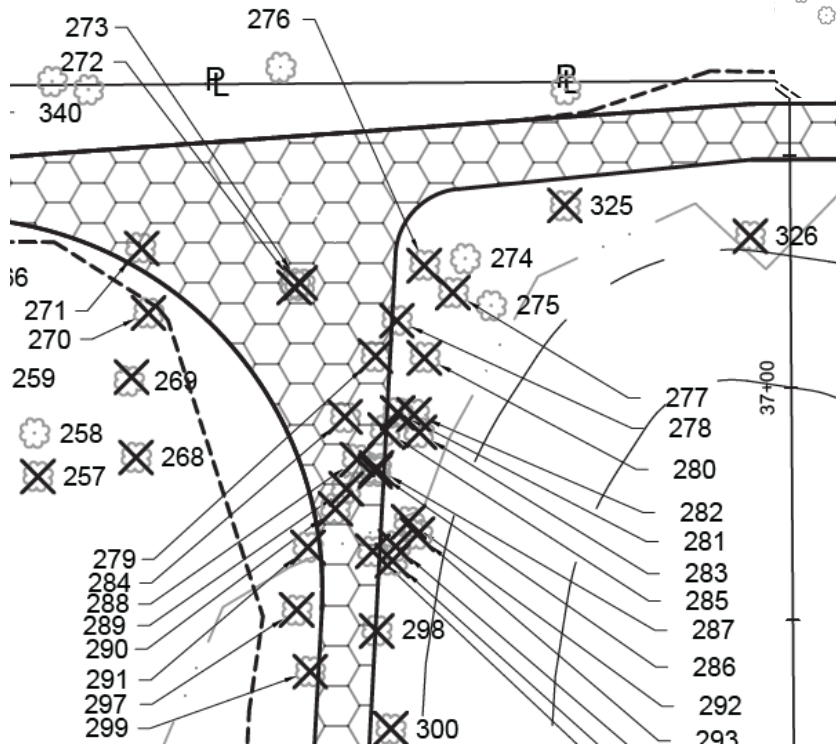


ISON

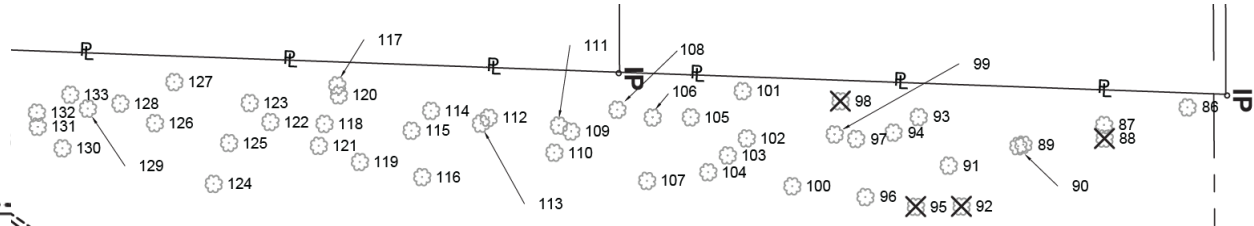


# Trees to Keep - 68 Overall

- Protect 2 bur oaks



- Protect 43 red maples



- 23 other trees across a variety of species

CITY OF **MADISON**





# Ecological Restoration

- Current Conditions
  - Agricultural land, reed canary grass monoculture, fencerows, former tree nursery, broad-leaf invasive species i.e. thistles, crown vetch, burdock, and non-native cool season grasses



CITY OF **MADISON**





# Ecological Restoration

Restoration Goal: restore site to functional tallgrass prairie and wetland ecosystems

- Sow cover crops post grading work 2023
- Mowing and foliar herbicide applications to control herbaceous invasives throughout growing season 2024
- Sow native seed fall 2024
  - Upland tallgrass prairie mix
  - Wet-Mesic detention basin mix
- Plant emergent aquatic plugs, native tree and shrubs 2025
- Woody and herbaceous invasive species maintenance with Ecological Restoration Contractor 2023 - 2027





# Contact Information & Resources

➤ Project Website: [cityofmadison.com/engineering/projects/lower-badger-mill-creek-pond](http://cityofmadison.com/engineering/projects/lower-badger-mill-creek-pond)

- Sign-up for project email updates on the website
- Updates on closures & work progress will be posted to the project website

## ➤ Engineering

- Matt Allie P.E., 608-266-4058, MAllie@cityofmadison.com
- Hannah Mohelnitzky, Public Information Officer, 608-242-6003, HMohelnitzky@cityofmadison.com

CITY OF **MADISON**

