

# Northern Columbia Golf Course and Park Stormwater BMPs Project

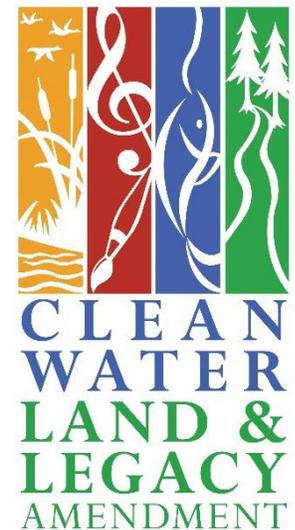
Mississippi Watershed Management Organization

Minneapolis Park and Recreation Board

City of Minneapolis

*October 20, 2020*

*6:00 p.m.*

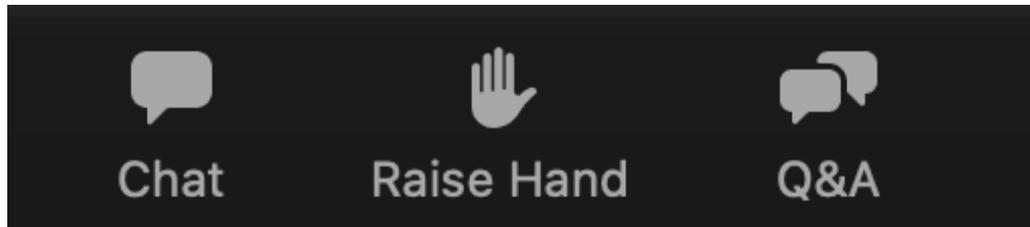
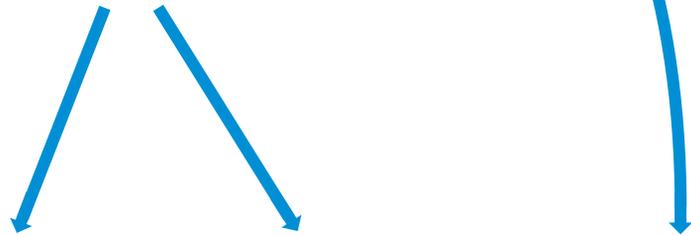


# Agenda

- Overview of using Zoom for this meeting
- Introductions
- Project Overview
  - Background, scope, and budget
- Construction Overview
  - Schedule, staging, traffic control & impacts to park facilities
- Question and Answer Period

## Participant Overview of Zoom Web Conference

- If you have questions for the presenters...
- For help...

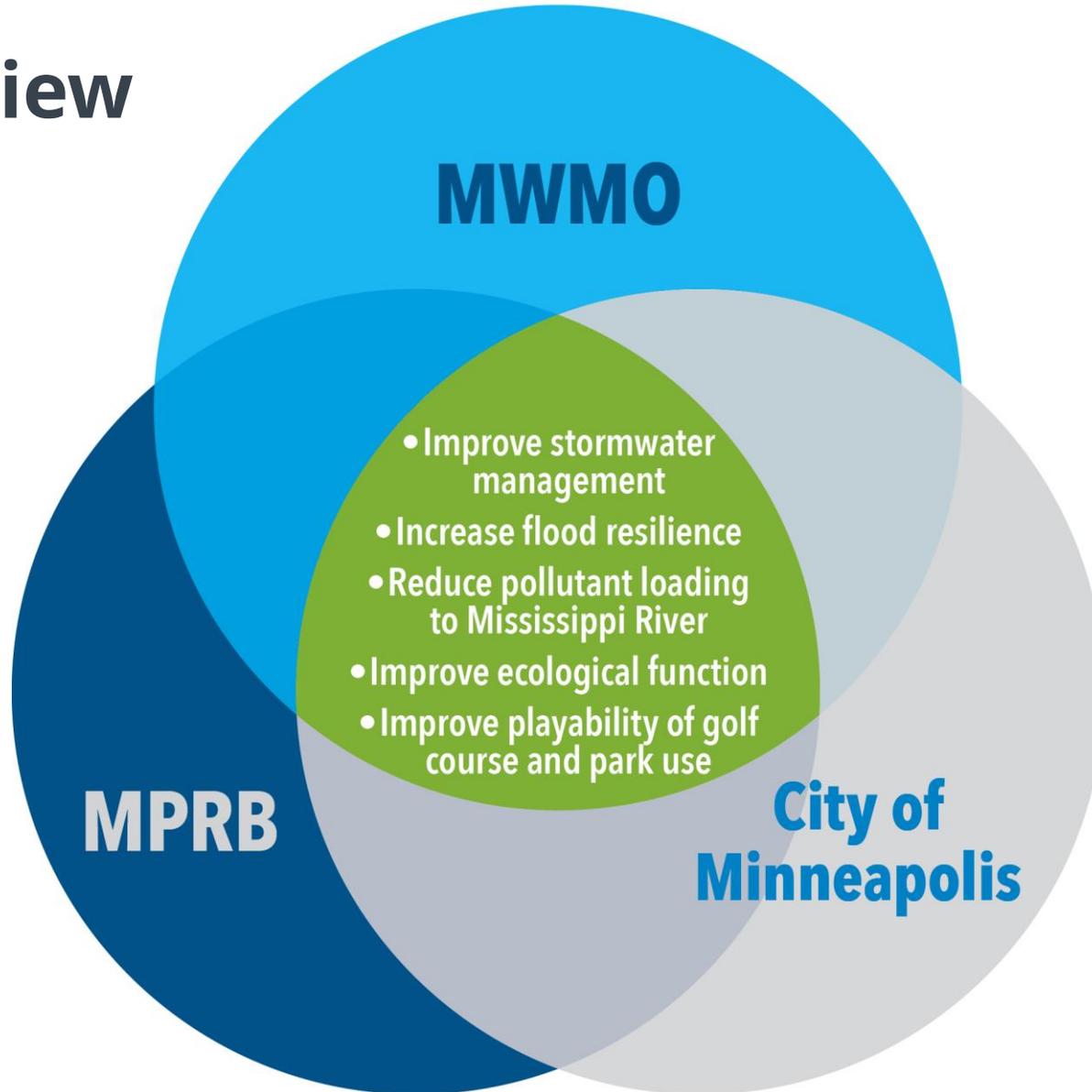


- This meeting is NOT being recorded
- Slides available afterward
- Dial-in option:  
Phone #: 312-626-6799  
Webinar ID: 952 1020 0856  
Passcode: 126522

## Project Team Introductions

- **MWMO:** Nancy Stowe/Nick Busse/Alicia Beattie
- **City of Minneapolis:** Lisa Goddard
- **Mpls Park & Recreation Board (MPRB):**  
Andy Schilling/Carrie Christensen
- **SRF Consulting Engineers:** Erin Hunker

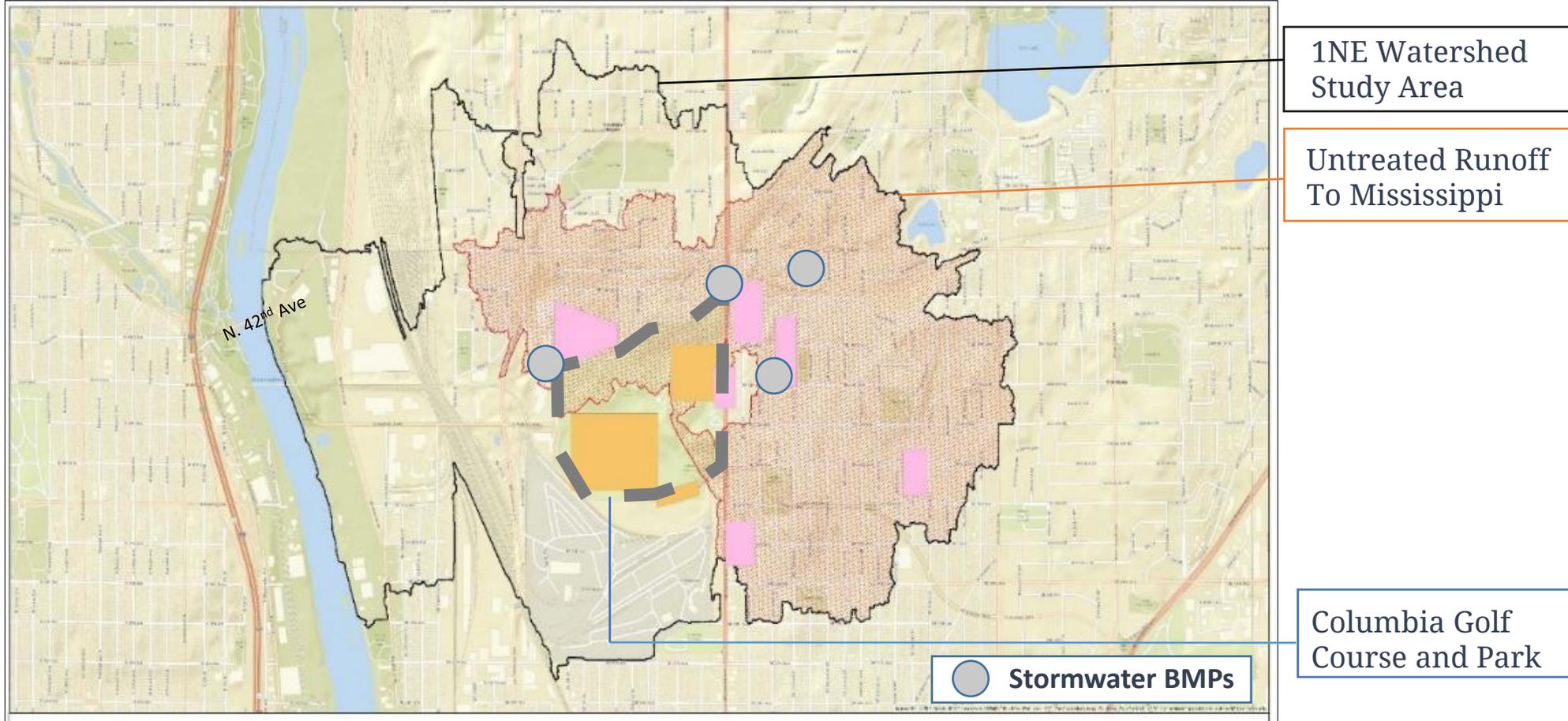
## Project Overview



## Project Timeline



## 1 NE Watershed — Other Work and Pre-Treatment



### Other Stormwater BMPs in Columbia Drainage Area:

- Hoyer Heights Tree Trenches (substantially completed)
- Tyler and 35<sup>th</sup> Grit Chamber (under construction)
- 5<sup>th</sup> St NE Grit Chamber (project component)
- Central Ave Grit Chamber (project component)

# N. COLUMBIA GOLF COURSE BMPs PROJECT



MISSISSIPPI  
WATERSHED  
MANAGEMENT  
ORGANIZATION

## Flood Reduction & Improved Playability / Park Use



# N. COLUMBIA GOLF COURSE BMPs PROJECT



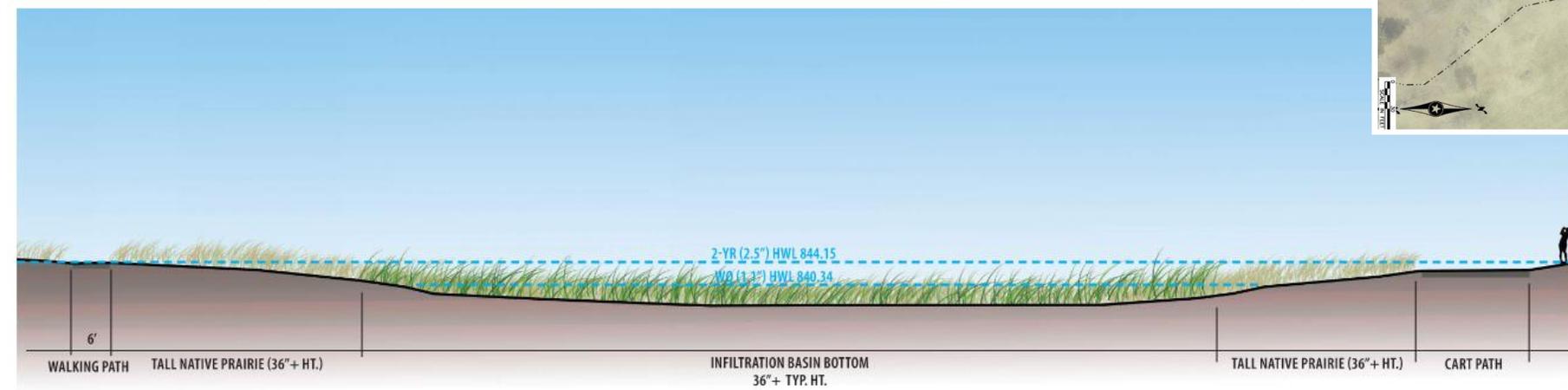
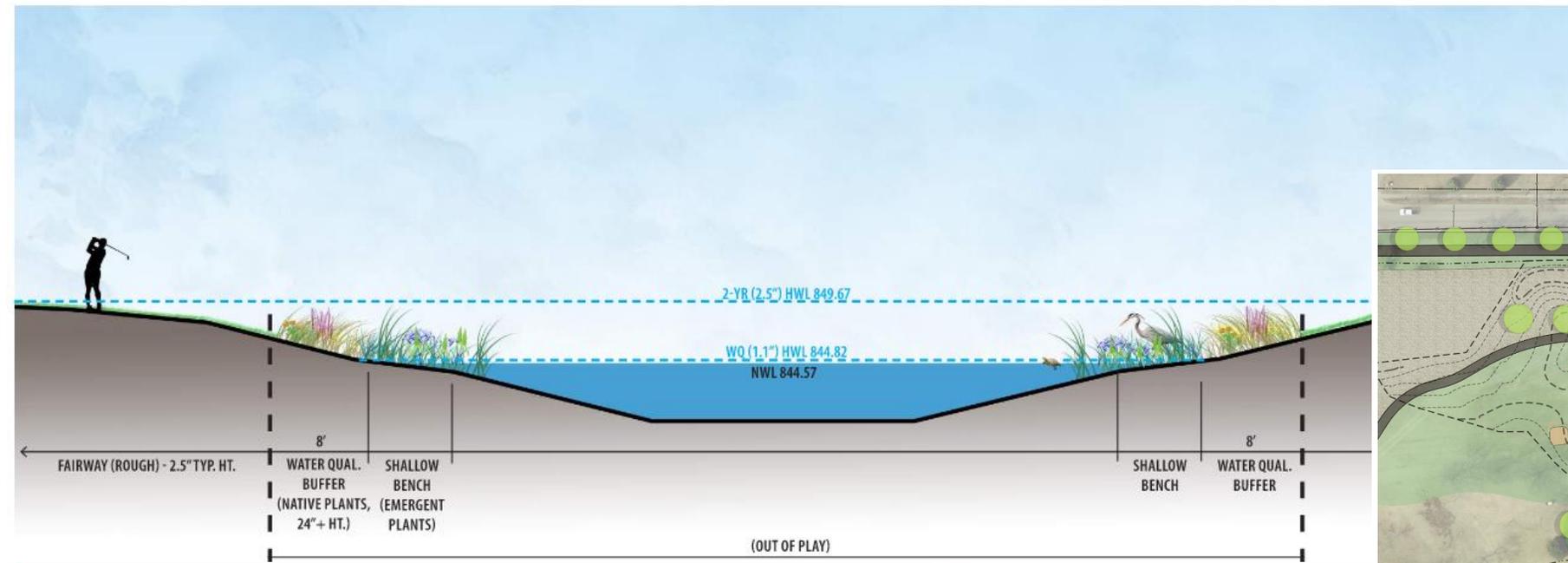
Fifth St NE



Central Ave NE



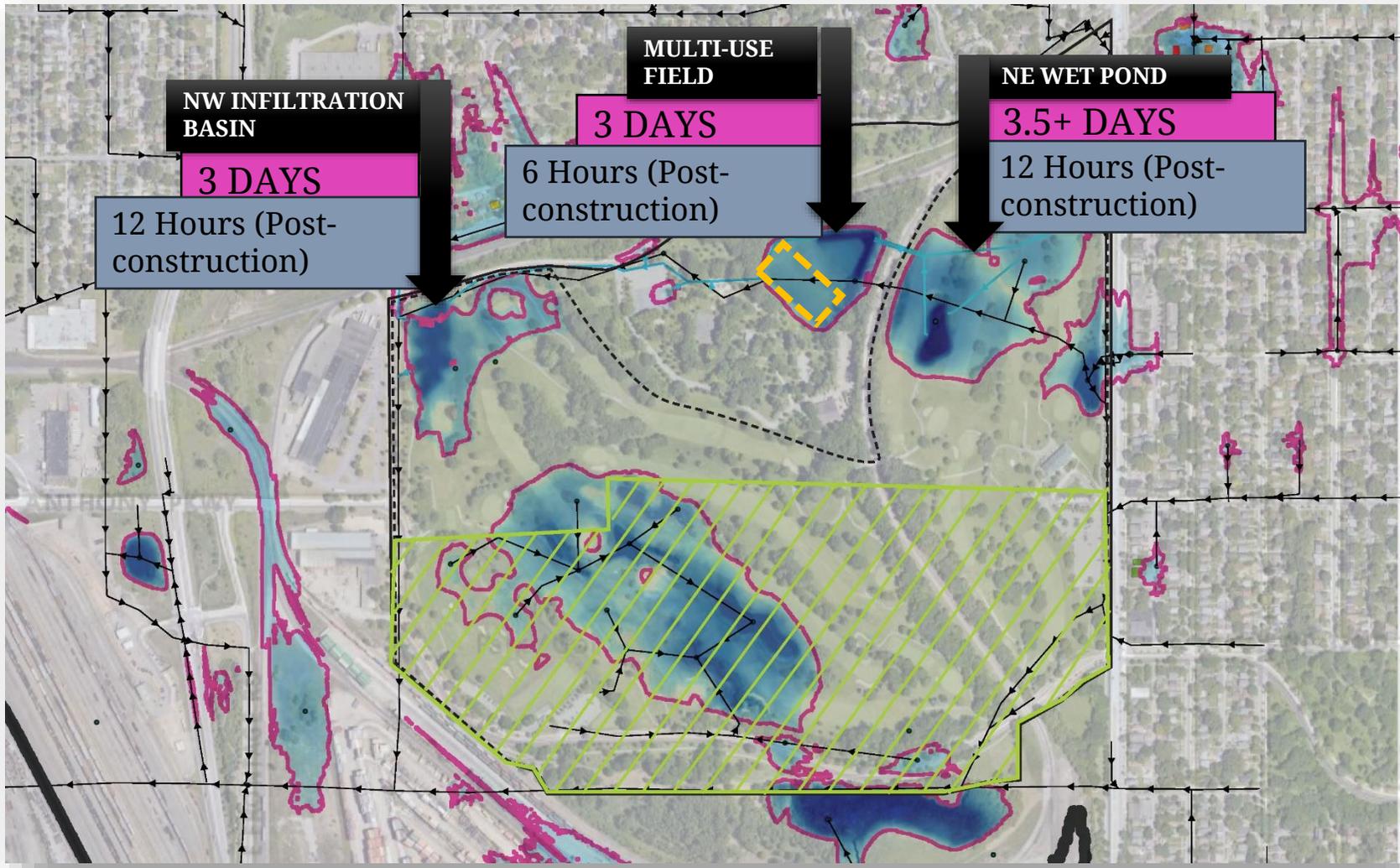
# HABITAT ENHANCEMENT



## Construction Cost:

- Bid amount of \$6,417,219 plus 15% contingency, totaling \$7,379,801
  - City of Minneapolis: \$2,908,012
  - MWMO funds (Not-to-Exceed): \$3,571,789
  - Board of Water & Soil Resources (BWSR) grant: \$800,000
  - Hennepin County grant: \$100,000
  - MPRB land

**100-year Event Inundation  
Area (7.3 inches/24 hours)**



- Water quality treatment for 600+ acres currently untreated before entering Mississippi River
- Reduce total phosphorus loading to Mississippi River by over 170 lbs/year\* (35% reduction)
  - \*1 lb of phosphorus ~ 300-500 lbs algae
- Reduces total suspended solids loading to Mississippi River by over 37 tons/year

## 1NE Outfall into Mississippi River



- Phase 1: October 2020 – February 2021
  - Removals/abandon storm sewer
  - Storm sewer construction
  - Tunnel under CP Railroad
  - Earthwork and Mass Grading



- Phase 2: May 2021 – August 2021
  - Final Grading
    - Golf Course
    - Infiltration Basin
    - Trail
  - Park Restoration
  - Golf Course Restoration
  - Native Seeding (Permanent Restoration)



- **Hours of Operation**
  - Monday through Friday 7 a.m. to 6 p.m.
- **Construction Start Date – October 26, 2020**
- **Substantial Completion – July 2021**
- **2-Year Landscape Plant Establishment & Native Vegetation Maintenance Period – June 2023**



Example photos from other projects

# STORM SEWER CONSTRUCTION



Example photos from other projects



# NATIVE PLANTING AREAS



Example photos from other projects (Keller Golf Course)



- Construction vehicles on Columbia Parkway and Central Avenue
- 5<sup>th</sup> Street Closure approximately 10/28 – 11/17/2020
- Parking lot closure for duration of project (staging area)
- Closure of trail on west side of golf course for the duration of the project
  - Pedestrians detoured to west side of 5<sup>th</sup> Street up to 35<sup>th</sup> Ave NE, bicycles use 5<sup>th</sup> Street and Columbia Parkway, full lane
- Columbia picnic shelter rental closed through July 2021
- Multi-Purpose Athletic Field closed through July 2021
- Columbia Golf Course - temporary reduction from 18 holes to 11 holes through August 2021
- Tot playground equipment replacement
- Impacts to trees
  - Tree replacement in restoration plan

# Project Contacts

- Alicia Beattie; MWMO, Capital Projects and Stewardship Specialist  
[abeattie@mwmoo.org](mailto:abeattie@mwmoo.org)
- Andy Schilling; MPRB, Design Project Manager; [aschilling@minneapolisiparks.org](mailto:aschilling@minneapolisiparks.org)
- Lisa Goddard, PE; City of Minneapolis, Professional Engineer  
[lisa.goddard@minneapolismn.gov](mailto:lisa.goddard@minneapolismn.gov)

**More information:** [mwmoo.org/northeast](http://mwmoo.org/northeast)

Thank you!  
Questions or comments?