

WELCOME

Stormwater Pond Vegetation & Maintenance Training

May 4, 2022
8am - 3pm



Sponsored by Rain to Rivers of Western Wisconsin, with funding support from Xcel Energy through the Natural Resource Fund (NRF). Please remember to fill out the Evaluation & Attendance Form to receive a certificate for claiming Professional Development Hours (PDH).

Conference materials will be made available at www.raintorivers.org

RAIN TO RIVERS

OF WESTERN WISCONSIN

A STORMWATER EDUCATION & OUTREACH INITIATIVE

Bill McElroy, P.E.

*Assistant City Engineer – City of Chippewa Falls
President – Rain to Rivers of Western Wisconsin*

Zack Regnier

*Sr. Civil Engineer – City of River Falls
Vice President – Rain to Rivers of Western Wisconsin*

Megen Hines

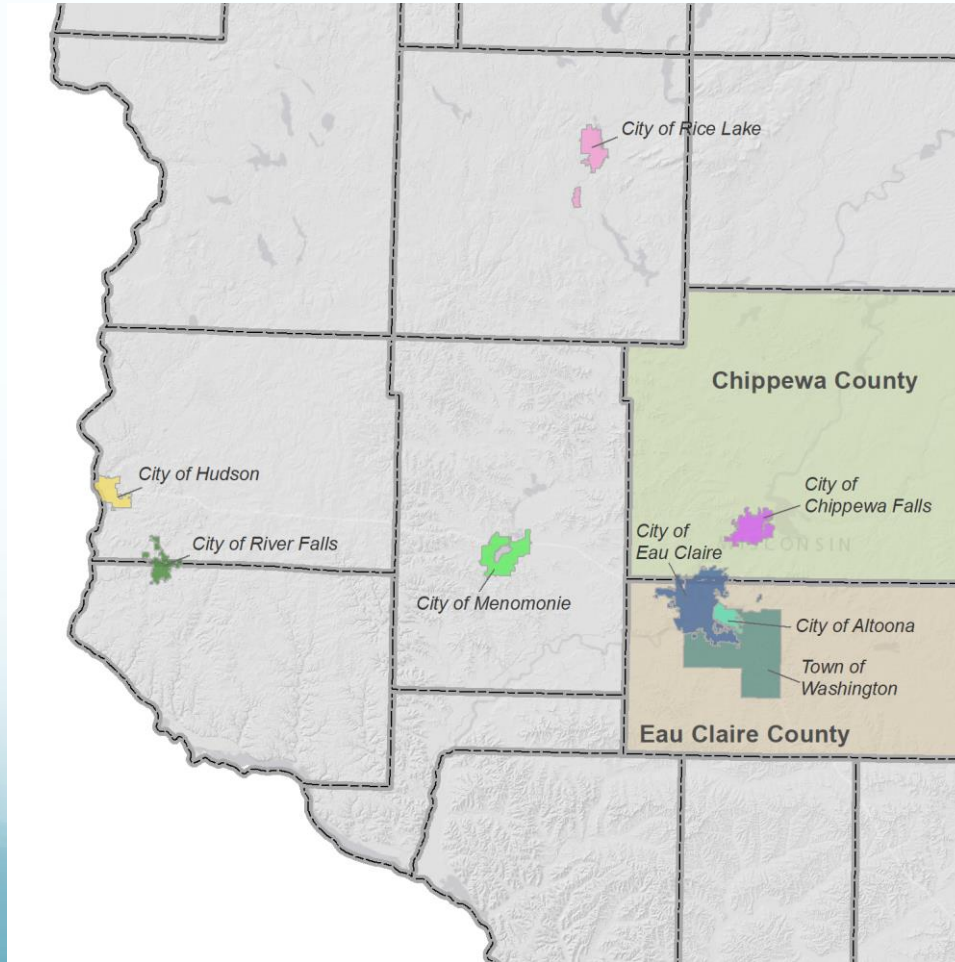
*Environmental Program Coordinator – City of Menomonie
Secretary – Rain to Rivers of Western Wisconsin*

Michael Mroz

*Director of Public Works & Parks – City of Hudson
Treasurer – Rain to Rivers of Western Wisconsin*



RAIN TO RIVERS - MEMBERS



with support from:



Extension

UNIVERSITY OF WISCONSIN-MADISON



RAIN TO RIVERS - MISSION

1. Public education and outreach

- Create educational materials
- On-line presence (Web, Facebook, YouTube)

2. Public involvement and participation

- Put on workshops
- Presence at community events
- Mini-Grant program

3. Peer networking and idea sharing

RAIN TO RIVERS - BENEFITS



- **Educate citizens about storm water runoff**
- **Pool personnel and funding resources**
- **Meet requirements of MS4 permit**
- **Share knowledge between communities**

RAIN TO RIVERS – RECENT PROJECTS

- **NASECA erosion control training**
- **Booths at Red Cedar Conference, Northern Wisconsin State Fair, various other community events**
- **Winter Maintenance training**
- **Ballpark/Ice Arena Signs**
- **Mini Grants**



RAIN TO RIVERS – FUTURE TRAININGS

Winter Maintenance Training for Reduced Environmental Impacts

October 19, 2021

8:30am - 1:30pm
Chippewa Valley Technical College

620 West Clairemont Avenue
Eau Claire, WI 54701

SPONSORED BY:



TOPICS COVERED

This 5 hour training covers the costs/benefits of de-icing and anti-icing strategies, and the current recommendations for application rates. Attendees will be given a copy of the "Minnesota Snow and Ice Control Field Handbook." Attendees will learn how to use salt and sand most effectively. Efficient use of these products will help decrease the negative effects of de-icing materials on the environment, without compromising safety or level of service. Various anti-icing and deicing chemicals will be discussed, along with their mode of action, application rates, costs, and storage issues. The target audience includes city, county and state plow drivers.

ABOUT THE TRAINERS

The class is presented by Connie Fortin (Fortin Consulting) and Craig Eldred (Public Services Director for the City of Waconia, MN). After the conclusion of the class, an optional test is offered to earn the MPCA Level I Certification in Winter Maintenance. The certified individuals are then listed on the MPCA website.

WHO SHOULD ATTEND?

Public and private winter
maintenance professionals

Training is free (includes lunch)

Participants must register for this
event by October 12

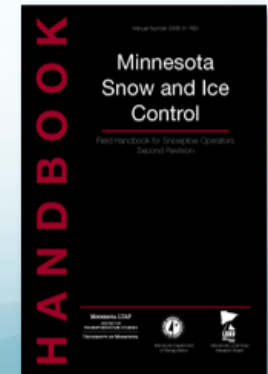
Please register at:
www.raintorivers.org

Questions
Contact Landon at:
715-836-2918 Ext. 12

WINTER MAINTENANCE TRAINING - 2023

Fortin Training Consultants, Inc.

This 4 ½ hour training covers the costs/benefits of de-icing and anti-icing strategies, and the current recommendations for application rates to help decrease the negative of de-icing materials on the environment, without compromising safety.



LANDSCAPERS! HOMEOWNERS ASSOCIATIONS! LOCAL GOVERNMENTS!

STORMWATER POND VEGETATION & MAINTENANCE TRAINING

JOIN US

MAY 4, 2022
8 a.m. - 3 p.m

THE OFF BROADWAY BANQUET CENTER
1501 North Broadway, Menomonie, WI 54751



THIS TRAINING WILL COVER

- WDNR Codes & Regulations
- Pond Vegetation
- Pond Tracking/Technology
- Pond Maintenance & Dredging
- Pond Inspections/Scheduling
- Case Study Do's & Don'ts

Providing local and regional information and education for municipal department heads, directors, elected officials, maintenance staff, contractors, stormwater pond owners, as well as anyone making decisions regarding stormwater pond vegetation and maintenance.

THIS TRAINING IS A **FREE EVENT**

Lunch is included and the entire event is provided at no cost thanks to generous grant and sponsorship funding support. However, **registration is required** and can be completed online using the Eventbrite registration link above.

This training is also eligible for up to 4 hours of Professional Development Hours (PDH).



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AGENDA

May 4, 2022

Off Broadway Banquet Center
1501 North Broadway
Menomonie, WI 54751



SCHEDULE

8:00-8:30am	Registration/Breakfast
8:30-8:45am	Welcome Bill McElroy P.E. - President of Rain to Rivers of Western Wisconsin, Inc.
8:45-9:15am	Stormwater Do's & Don'ts Various Members of Rain to Rivers of Western Wisconsin, Inc.
9:15-10:00am	Wisconsin Department of Natural Resources: Codes, Regulations & Permitting Teagan Secnecko - Water Resources Engineer, Wisconsin Department of Natural Resources
10:00-10:15am	BREAK
10:15-10:45am	Best Practices for Pond Maintenance & Dredging Kristin Seaman - Environmental Resources Specialist, City of Woodbury MN Evan Sieben - Streets Lead Worker, City of Woodbury MN
10:45-11:15am	Seed Mixtures for Ponds, Ditches & Erosion Control Mike Ramy & Ryan Danielson - RAMY Turf Products
11:15-11:45am	Managing Pond Vegetation & Invasives Tyler Mesalk - Water Resources Management Specialist, Wisconsin Department of Natural Resources
11:45-12:30pm	LUNCH
12:30-1:00pm	Best Practices for Pond Inspections Madison Erie - Field & Laboratory Technician, City of Red Wing MN
1:00-1:45pm	Pond Tracking & Technology Jake Newhall, P.E. - Project Manager/Associate, WSB Engineering
1:45-2:00pm	BREAK
2:00-2:45pm	Roundtable Talkback Session w/Attendees
2:45-3:00pm	Wrap-Up & Training Evaluation

Please remember to silence cell-phones. Also, please fill out the training evaluation and attendance form. You will receive a certificate of attendance soon after the event to claim Professional Development Hours or to ask your boss for a raise. Thanks for attending!

STORMWATER POND MAINTENANCE

**City of Chippewa Falls
Pond Cattail Maintenance**



WHY?

- **Restore function to existing ponds**
- **Funding:**
 - City of Chippewa Falls Stormwater Utility – work completed by City staff



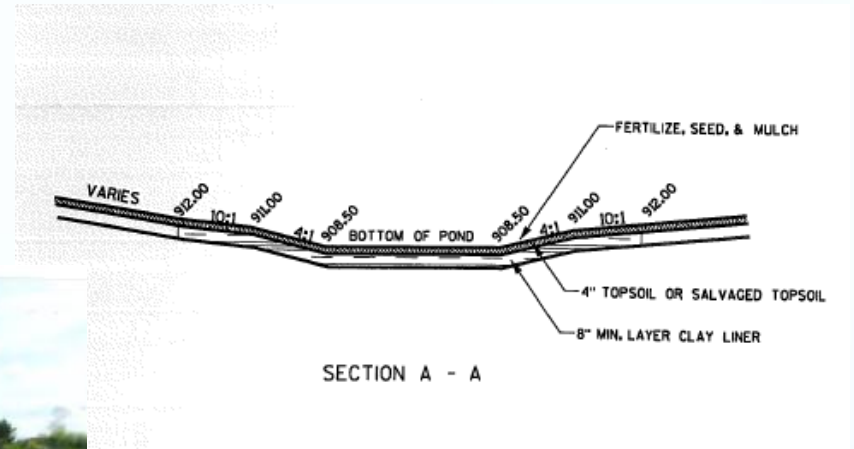
PROCESS

- Pond Inspections
- Supporting documentation
 - Watertown cattail management
- Take advantage of dry weather

Woodward Pond Maintenance Record	
Location: Along Woodward Ave north of Chapman Rd (Near Walgreens)	
Type of BMP: Infiltration Basin (seasonal high groundwater)	
"Clean Site": No, due to commercial/institutional in area	
Maintenance/Inspection Activities Required	
Activity:	Frequency:
Mow slopes	Monthly
Clean and remove debris from inlet and outlet to pump	Monthly
Inspect outfalls for erosion	Monthly
Inspect banks for erosion	Monthly
Remove all trash	Monthly
Ensure overflow pump is functional	Annually (prior to spring melt)
Inspect chain link fence for defects or failures	Annually
Inspect/remove any invasive vegetation (cattails)	Annually
Shoot pond elevations	Bi-Annually
Remove sediment around inlet structures	As needed (5 to 7 years)
Remove sediment in entire pond	As needed (10 to 20 years)
Maintenance/Inspection Log	
Activity:	Date:
Other Notes: There is often water in this pond due to high groundwater in the area.	

KOREAN WAR VETERAN MEMORIAL POND

- **Original Construction**



KOREAN WAR VETERAN MEMORIAL POND



KOREAN WAR VETERAN MEMORIAL POND



KOREAN WAR VETERAN MEMORIAL POND



WOODWARD AVENUE POND



WOODWARD AVENUE POND

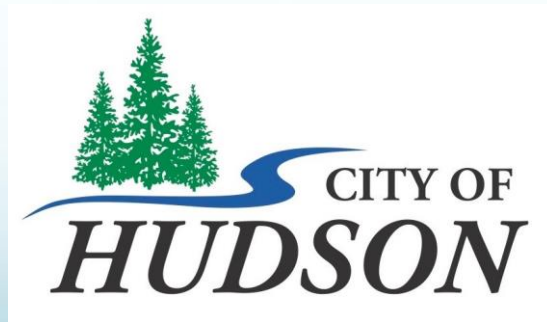


WOODWARD AVENUE POND



STORMWATER POND POST CONSTRUCTION

City of Hudson Stonepine Development

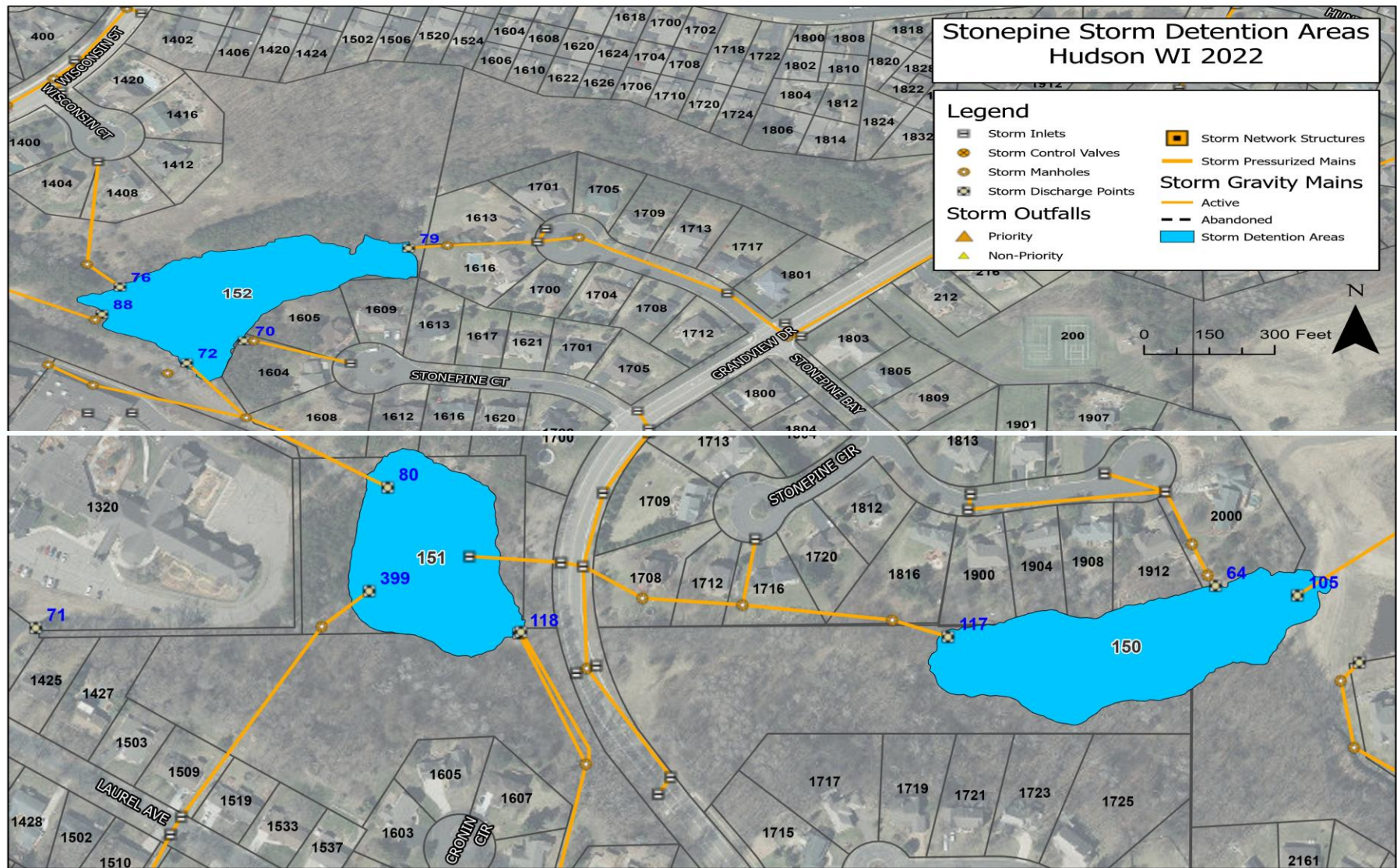


WHY?

- **MS4 Permit – Post Construction Stormwater Management**
- **Ensure Systems function as designed**
- **Failure to comply may result in DNR citation and annual audit**
- **Funding:**
 - City of Hudson Stormwater Utility

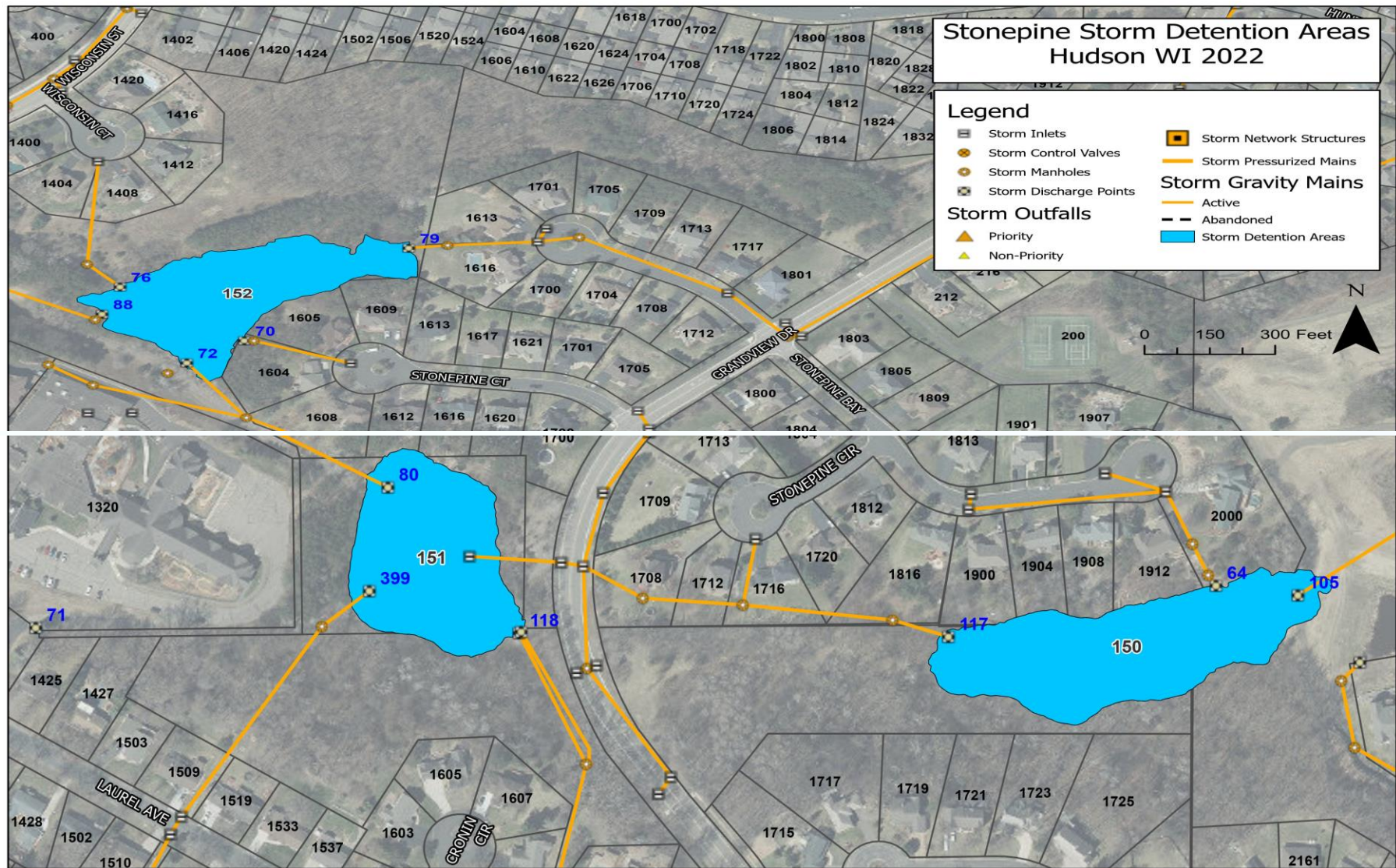
PROCESS

- **Notification & Communication**
 - Project Information
 - Schedule
 - WHY ?!?
 - Explain the outcomes
- **Supporting documentation (Waukesha County, WI)**
 - Stormwater Ponds
 - Bioretention Basins
 - Infiltration Basins







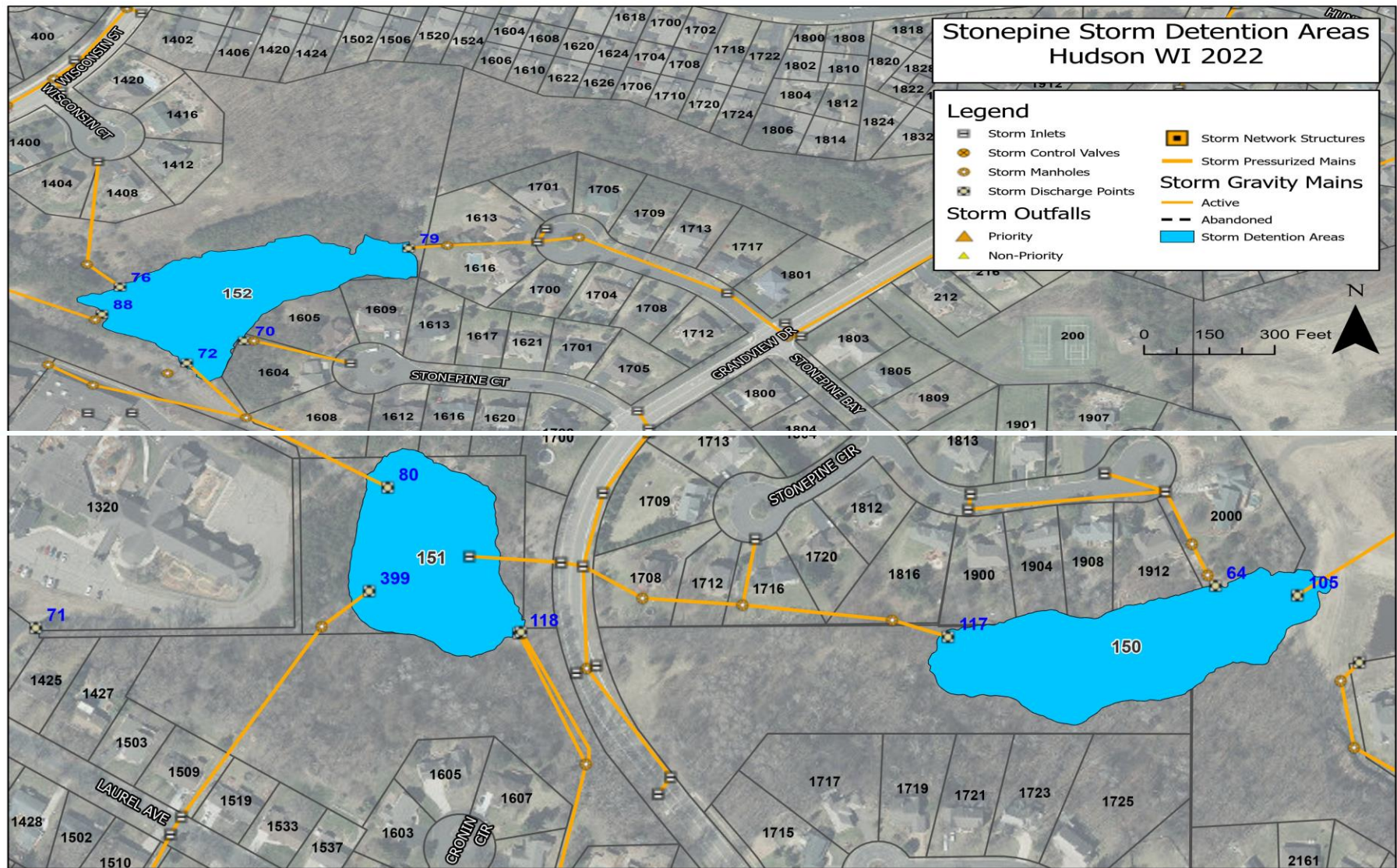




















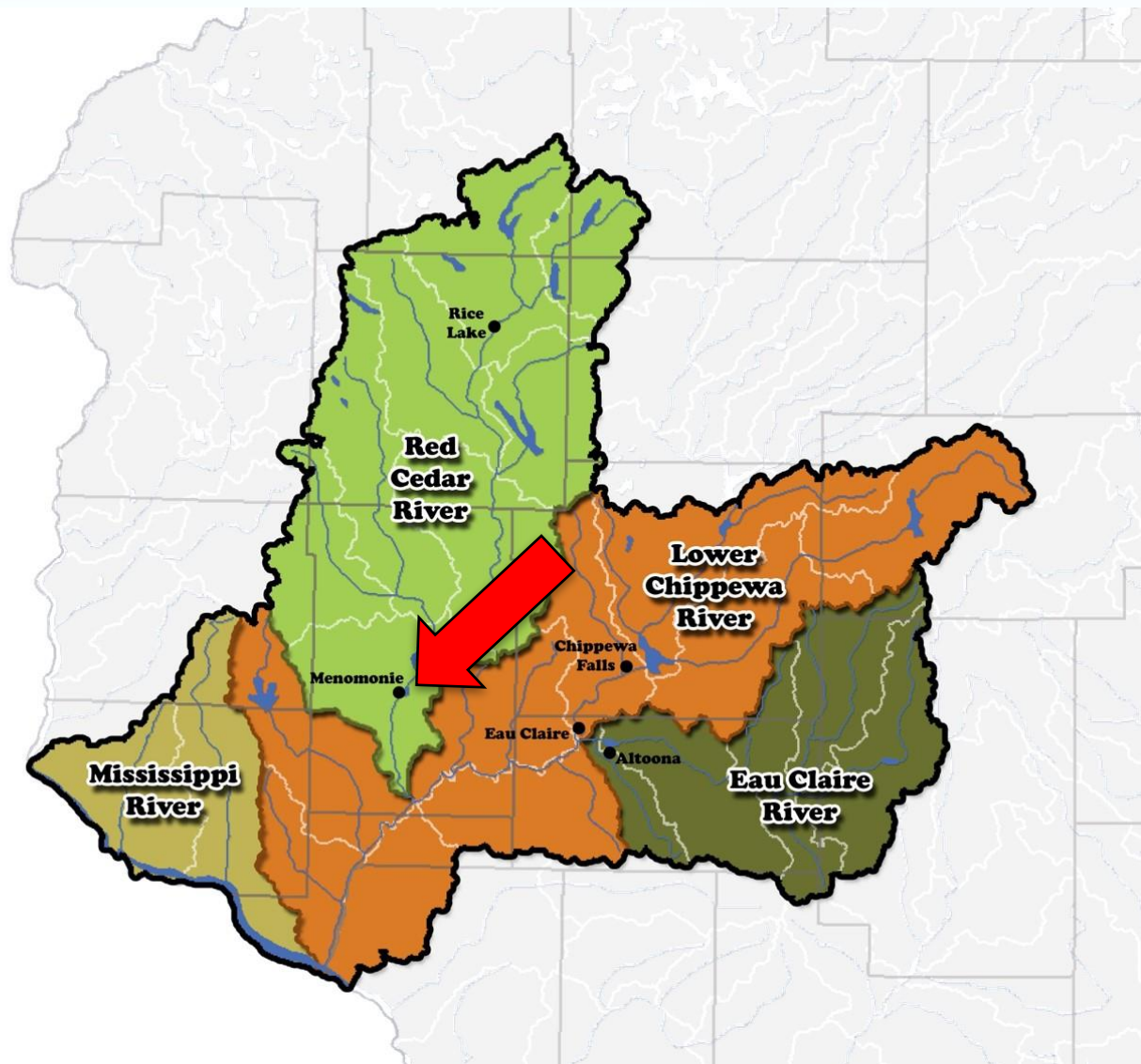
NEW STORMWATER POND CONSTRUCTION

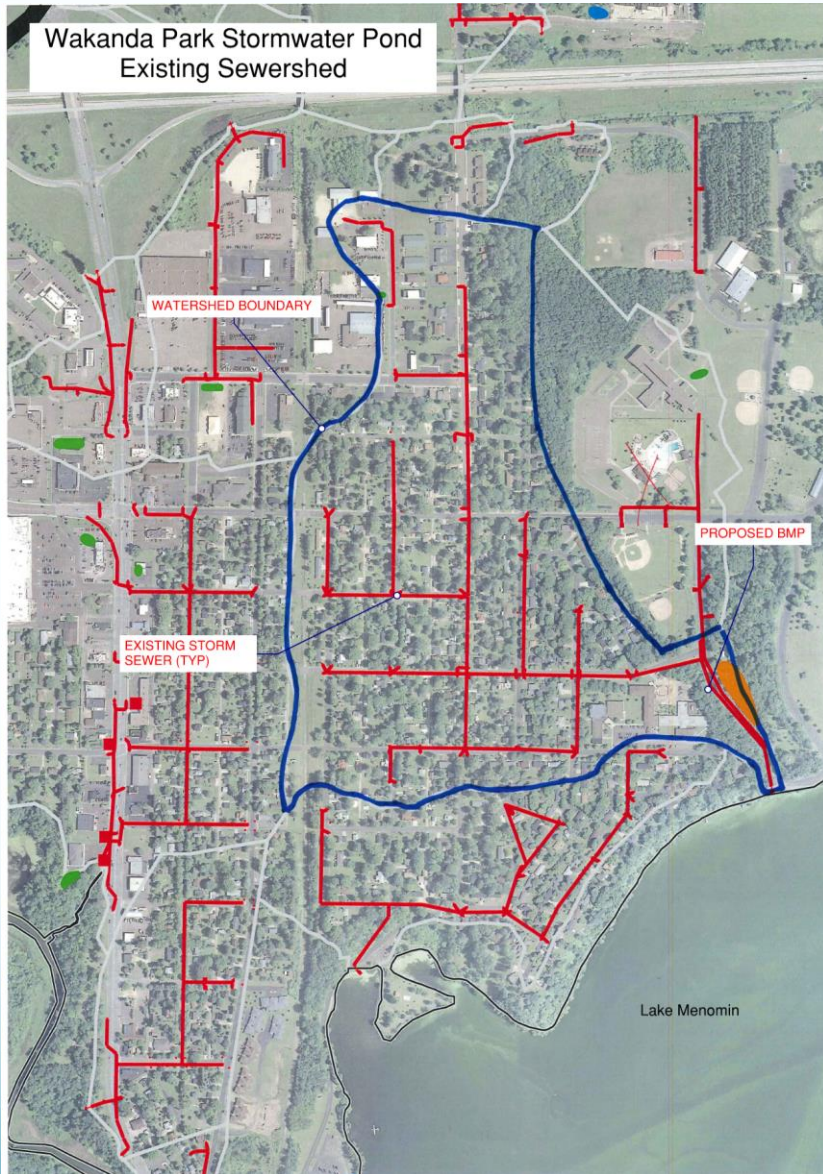
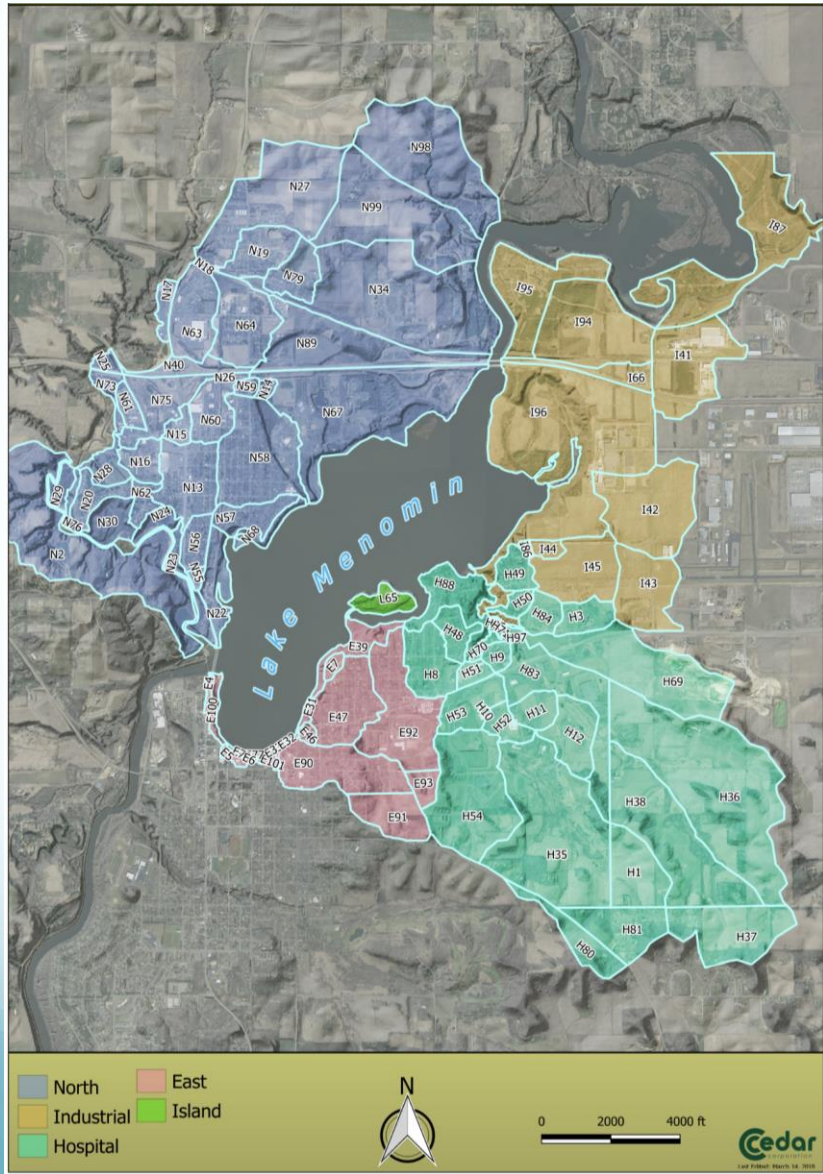
**City of Menomonie
Wakanda Pond**



WHY?

- **MS4 Permit**
- **TMDL Implementation Plan**
- **2014 Amendment to Urban Stormwater Plan**
- **Funding:**
 - DNR UNPS Construction Grant
 - City of Menomonie Stormwater Utility











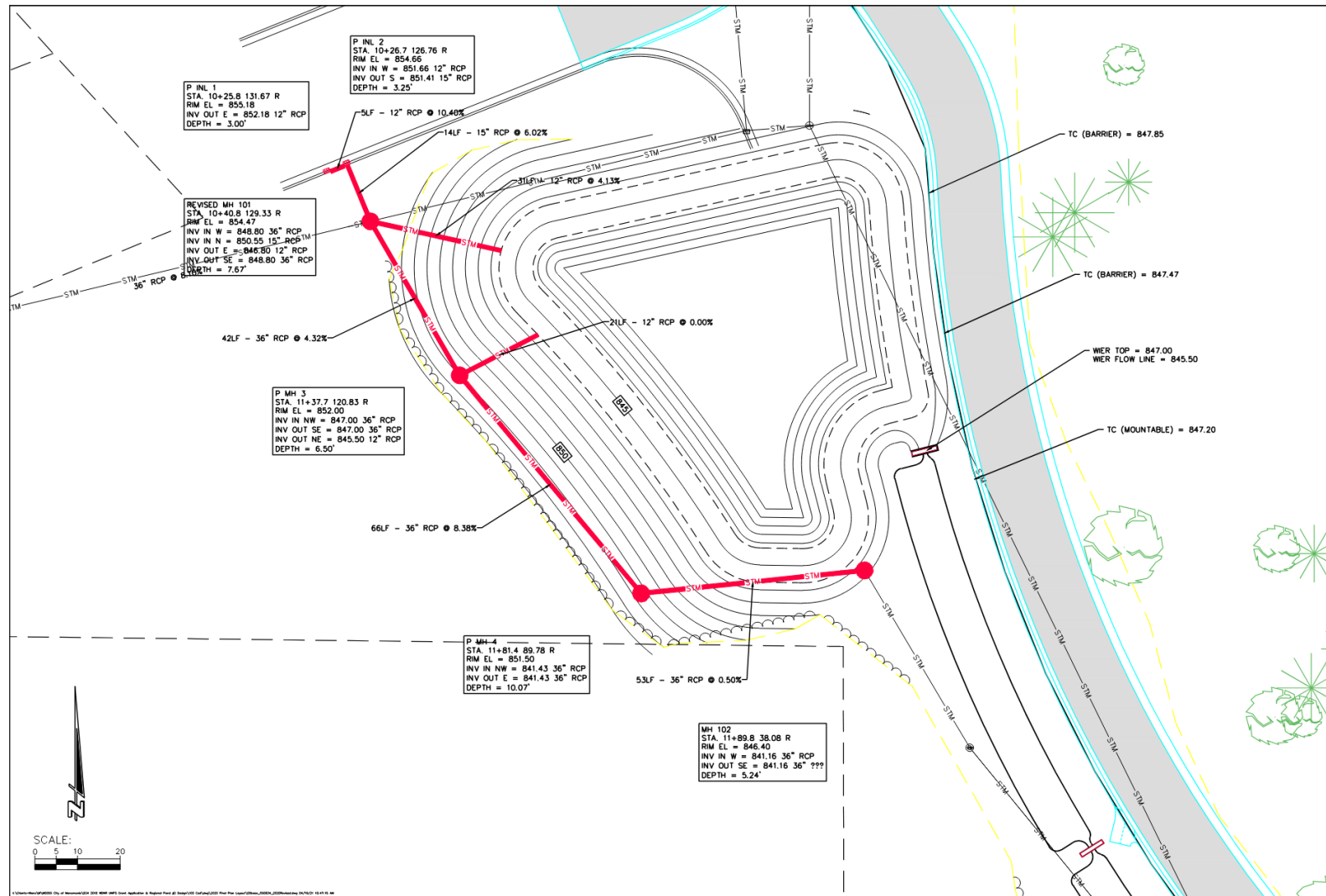


APRIL 2021 RAINSTORM













DRONE VIDEO