

Bassett Creek Watershed Tour

Monday October 2nd

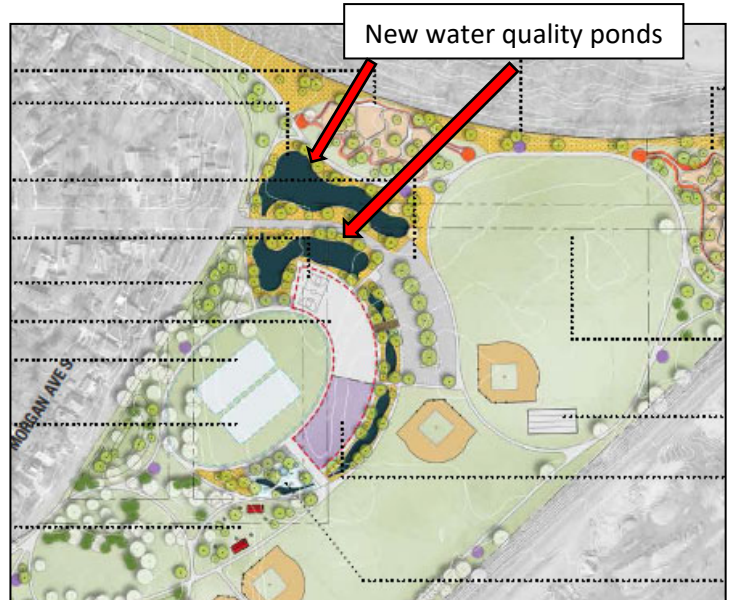
Item 7D.
BCWMC 10-19-23

3:30 Start Tour from **Utepils Brewery**

Stop #1: Bryn Mawr Meadows Water Quality Improvement Project

3:40 – 3:55 Navigate to Bryn Mawr Meadows Park, Minneapolis. Park along the driveway right at ponds.

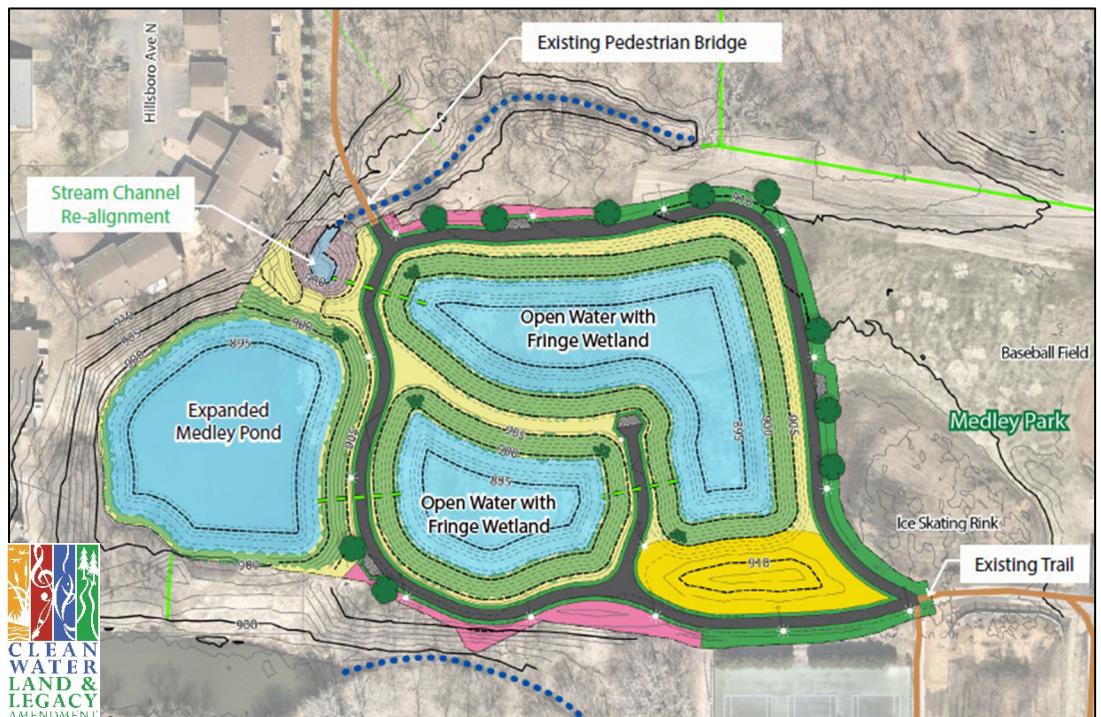
- Treats stormwater runoff from 45 acres of residential area that once flowed untreated into Bassett Creek + low flows from upstream pond
- Removes 37 lbs/year of total phosphorus
- Designed by BCWMC Engineers and constructed in conjunction with the Minneapolis Park and Rec Board's park redevelopment project
- Construction began in November 2022
- Final site restoration is underway
- Total estimated cost is \$1.5M
- Received BWSR Clean Water Fund grant of \$400,000



Stop #2: Medley Park Stormwater Treatment Facility

4:10 – 4:30 Navigate to Medley Park, Golden Valley. Park in small lot on SE corner off 23rd Ave. N.

- Creates 8.9 ac-ft of flood storage
- Removes 6 structures from 100-year floodplain
- Removes 16.7 lbs of total phosphorus/year
- Restores 0.6 ac of wetland & 0.6 ac of prairie habitat
- Construction began Nov 2022
- Total estimated cost is \$2M
- Received \$300,000 BWSR Clean Water Fund grant



Plymouth High Efficiency Street Sweeper Demo @ Medley Park

4:30 – 4:45 Medley Park parking lot.

- BCWMC provided \$75,000 towards the City of Plymouth's purchase of a new high efficiency street sweeper in 2020.
- The Tymco 500X Regenerative Air Street (RAS) sweeper collects fine sediment and debris more effectively
- In 2020 and 2021, 368 curb miles were swept concentrated in areas around Medicine, Northwood, Lost, and Parkers Lakes
- In 2020 and 2021, removed estimated 400 lbs of total phosphorus and 250 pounds of chloride
- 2024 BCWMC CIP includes providing cost share funds towards the City of Golden Valley's purchase of similar sweeper for Golden Valley



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Stop #3: SEA School Wildwood Park Flood Reduction Project

4:55 – 5:10 Navigate to Wildwood Park Pickleball Court, Duluth St., Golden Valley. Park on Duluth St. on northern edge of park.

- Creates 8.5 ac-ft of flood storage
- Removes 13 homes from 100-yr floodplain
- Removes 8 lbs of total phosphorus/year
- Restores 2.1 acres of wetland and prairie
- Includes replacing outlet from DeCola Pond D to Pond E
- Provides outdoor education spaces
- Construction began spring 2023
- Final construction pieces and site restoration underway
- Total estimated cost is \$3.1M (BCWMC CIP funds = \$1.3M)
- Received DNR Flood Damage Reduction Grant of >\$1M



Stop #4 Bassett Creek Main Stem Restoration Regent Ave. to Golden Valley Rd.

5:20 – 5:40 Navigate to 4121 Bassett Creek Dr., GV. Park on street.
(View stream from pedestrian bridge across from 4121)

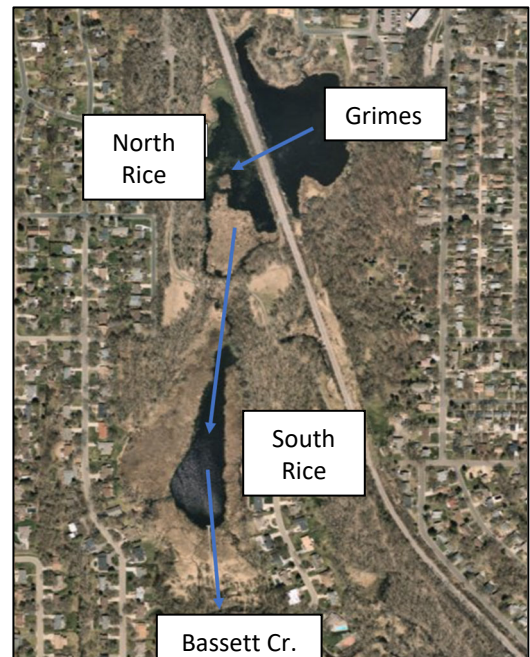
- Will stabilize and restore 7,000 linear feet of streambanks to improve water quality and habitat
- Will reduce total phosphorus by 82 lbs/year and suspended sediment by 136,000 lbs/year
- BCWMC officially ordered project in September
- Project design to begin this winter; construction expected winter 24/25
- Total expected cost is \$2,241,000. Grant application submitted.



Stop #5: Sochacki Park Water Quality Improvement Project

5:20 – 5:40 (Same stop as above; walk path to South Rice pond overlook from pedestrian bridge)

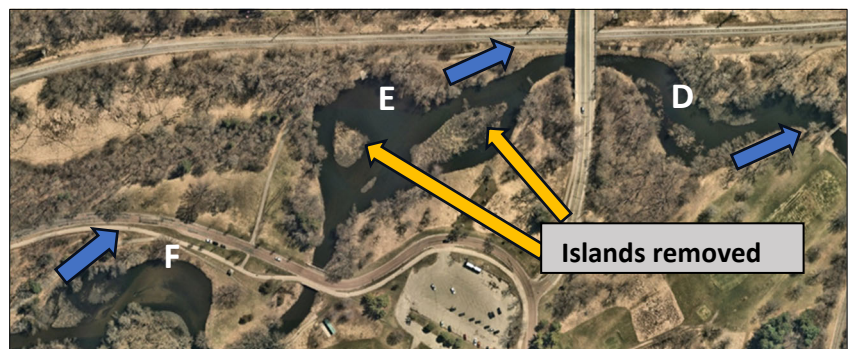
- Will improve water quality and aquatic habitat in three wetlands (ponds) in TRPD's Sochacki Park (Grimes, North Rice, South Rice Ponds) and in Bassett Creek immediately downstream
- Will reduce total phosphorus by 68 lbs/year
- Includes multiples best management practices (BMPs)
- Will create or expand three stormwater ponds
- Will remove debris and contaminated soils
- Will install filtration system in South Halifax Park, Robbinsdale
- Includes alum treatment, pond drawdown, street sweeping, etc.
- BCWMC officially ordered project in September
- Project design to begin this winter; construction expected to begin in 2024
- Total expected cost \$1.9M; \$600,000 from BCWMC CIP



Stop #6: Bassett Creek Main Stem Lagoon Dredging Project

5:50 – 6:10 Navigate to Theodore Wirth Chalet. Park in NE corner of Chalet parking lot.

- Ultimately deepened three lagoons (D, E, F) to 3.7 ft (designed to 6 ft)
- Removes 360 lbs/year total phosphorus
- Estimated total cost \$1.5M
- Hennepin Co. grant and Clean Water Funding = \$325,000
- Constructed winter 22/23
- Decision pending on future action



End at **Utepils for social hour**