

Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

WRCC Meeting Summary

June 24, 2026

Attendees:

Municipalities:

- ☐ Kevin Hann, Chair, Hampstead
- ☒ Jim Wieprecht, Vice Chair, Taneytown
- ☐ Zac Amoss, Westminster
- ☒ John Breeding, Mount Airy
- ☒ Peck Burmeister, Manchester
- ☐ Gary Dye, New Windsor
- ☐ Greg Howell, Westminster
- ☒ Brian Johnson, Mt Airy
- ☐ Mayor Perry Jones, Union Bridge
- ☐ Rodney Kuhns, Manchester
- ☐ Matt Leister, Manchester
- ☒ Jim Roark, Hampstead
- ☒ Kevin Rubenstein, Sykesville
- ☒ Dick Swanson, Mount Airy
- ☒ Daniel Thompson, Hampstead

CC PLM:

- ☒ Brenda Dinne
- ☒ Chris Heyn, PLM Director
- ☒ Claire Hirt
- ☒ Byron Madigan
- ☐ Mitch Masser
- ☐ Denise Mathias
- ☒ Tim Matt
- ☒ Zach Neal
- ☒ Janet O'Meara
- ☒ Ethan Strickler
- ☐ Nick Totushek

Health Department:

- ☐ Richard Brace
- ☐ Nicole Bowman

CCG Others:

- ☐ Andy Watcher, CC DPW
- ☒ Bryan Bokey, CC DPW
- ☐ Lexi Biondo, CC M&B

Guest Speakers:

☐

Others:

☐

1. Opening Statement

Chair

- Mr. Hann was not present.

Vice Chair

- Mr. Wieprecht, acting as Chair, called the meeting to order at 2:30 PM.

2. Approval of Meeting Summary – April 22, 2026

Approval of the April meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Dick Swanson and seconded by Jim Roark to approve the April 22, 2026, meeting summary. Motion carried.

3. Stream Temperature Monitoring – Byron Madigan

- Mr. Madigan's team is collecting data at the Willow Pond stormwater management facility to evaluate the thermal impacts of using a gravel lens at the outfall of the facility. The Westminster Community Pond is the "control" facility.

- As water temperature is an emerging contaminant in certain watersheds, the Maryland Department of the Environment (MDE) will be establishing Total Maximum Daily Loads (TMDLs) in these watersheds in the future. The Prettyboy Reservoir Watershed in Carroll County is anticipated to be the next TMDL that MDE focuses on once the Gwynn's Falls TMDL is established. Data collected through this monitoring effort will help in evaluating whether use of a gravel lens is a beneficial tool to address thermal impacts.
- In looking at the drainage areas within the Prettyboy watershed, stream temperatures may be higher than expected despite a high percentage of forest cover. Small farm ponds are possible sources of warmer water, and addressing them in some way could be another tool to address stream temperature.

Reference/Attachment:

- *PowerPoint:* Thermal Evaluation of Web Pond w/ Gravel Lens

4. Drought Outreach – Chris Heyn

- Due to the drought conditions, Baltimore City has already implemented voluntary water restrictions, and the Board of County Commissioners followed suit. Many of the municipalities have also put voluntary restrictions in place.
- So far, none of the systems are implementing mandatory restrictions, but all are monitoring the situation. If mandatory measures become necessary, the WRCC can be used to coordinate and provide consistent messaging.

Reference/Attachment:

- *n/a*

5. Mason's Law Implementation

- Mason's Law (House Bill 34, 2026) requires municipalities to inventory the number and location of all publicly owned existing open drainage inlets and privately owned existing open drainage inlets in the municipality.
- On or before April 1, 2028, a municipality must develop a prioritization plan for making improvements to publicly owned existing open drainage inlets and privately owned existing open drainage inlets. This excludes existing open drainage inlets that do not pose a legitimate risk to public safety.
- On or before April 1, 2031, the improvements in the prioritization plan must be completed. The municipalities are not then responsible for maintenance or liable for incidents that may occur on private properties.
- The WRCC can be used as a forum for coordination on how these requirements are being addressed. Since Planning & Land Management maintains storm drain system information for the MS4 permit, maps will be created for each municipality identifying known inlets, as well as an accompanying spreadsheet of that data. The GIS data can be updated to include this inlet data as a result of this effort.
- Municipalities are not responsible for County, State, federal, or Board of Education-owned properties.

Reference/Attachment:

- *n/a*

6. Water Resource Element (WRE 2024) Update – Brenda Dinne

- The WRE was introduced to the Board of County Commissioners on June 18. The Board directed staff to schedule a public hearing, which will tentatively be held on July 16.
- Several Councils have already moved to adopt the WRE. Several others have public hearings scheduled. Once the adoption resolutions are signed, a copy should be sent to Ms. Dinne. They will be included in the front of the final adopted plan.

Reference/Attachment:

- n/a

7. Municipal Stormwater Projects Update – Janet O’Meara

- Ms. O’Meara reviewed the status of the projects.

Reference/Attachment:

- *Municipal Project Status, June 2026*

8. PFAS Discussion

- Hampstead: Five new pipes are in the ground in Hampstead for the new treatment system. Conewago will start grading in the next couple months and still anticipates completion of construction by August 2027.
- Taneytown: Testing has wrapped up. Results show that the filtration in place does address the problem properly.

Reference/Attachment:

- n/a

9. Other

- Manchester Retirements: Michelle Wilder will be fully retiring on October 1, 2026. Delbert Green will be retiring on September 1, 2026.
- Water & Sewer Work Group: Bryan Bokey shared that the Board requested a water/sewer work group be put together to discuss a few issues, but primarily affordability. CC DPW may be putting out a survey to the municipalities to solicit additional information regarding municipal systems. Mr. Heyn suggested using the WRCC as a forum to discuss these issues rather than creating a separate group. He also suggested having Ms. Dinne send out the survey to this group for Mr. Bokey.
- AWWA July Meeting: The Public Safety Training Center will be hosting the July meeting of the American Water Works Association.
- Westminster DPW Director: Westminster just appointed a new DPW Director, Leslie Riddle.
- NPDES Compliance Specialist: Tim Matt is stepping into Glenn Edwards’ position since his retirement. Tim comes from the Environmental Inspections Office.
- Daniel Thompson: Jim Roark introduced Mr. Thompson as a Foreman with Hampstead’s DPW.
- Forest Conservation Act Update: Ms. O’Meara shared that information was just received yesterday from the Maryland Department of Natural Resources (DNR) indicated additional items that need to be included in the code updates. The law requires everything to be adopted by July 1, 2026. The revisions have already been taken to the Board. Staff will now have to return to the Board with the additional items.

Reference/Attachment:

- n/a

10. Adjournment

The meeting adjourned at 3:38 PM.

MEETING ADJOURNMENT: Motion was made by Kevin Rubenstein and seconded by Delbert Green to adjourn the June 24, 2025, meeting. Motion carried.

Upcoming Meetings:

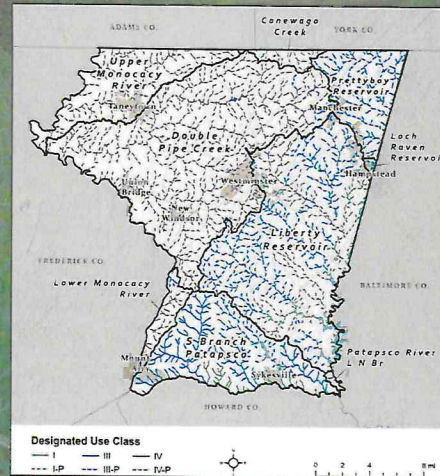
- ☐ *Regular Monthly Meeting – July 22, 2026*

Thermal Evaluation of Wet Pond w/ Gravel Lens

Impact of Design Modifications to Buffer Stream
Temperatures in Urbanized Watersheds

Byron Madigan
Water Resources Manager
Carroll County Government

Cold and Cool-Water Resources



Patapsco Brown Trout

Prettyboy Brook Trout



Control Vs. Treatment

- Bottom withdraw Vs. Gravel substrate ("gravel lens")
 - Thermal Response?
- UNH Thermal Study (2011)
- Monitoring Timeframe: 2018 - Current

Willow Pond w/ Gravel Lens
Eden Farms Stream Restoration



Community Pond

Control Site
Retrofitted (2015)
DA: 250 Acres, 25.5% Impervious



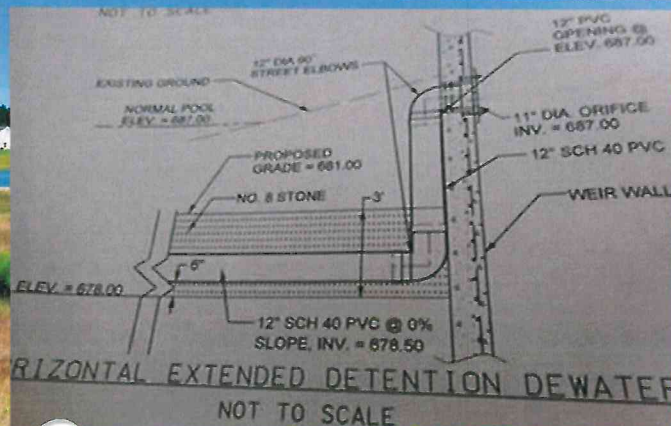
Willow Pond

Treatment Site
Retrofitted (2020)
DA: 349 Acres, 22.1% Impervious



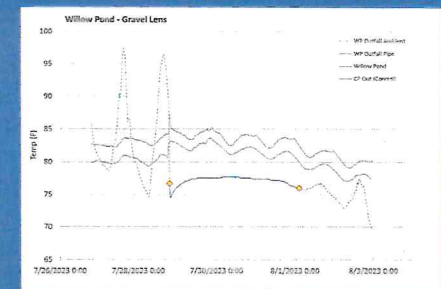
Gravel Lens Plan Details

Size: 50' x 300' x 3' Depth — No. 8 Stone
12" Dewatering Pipe



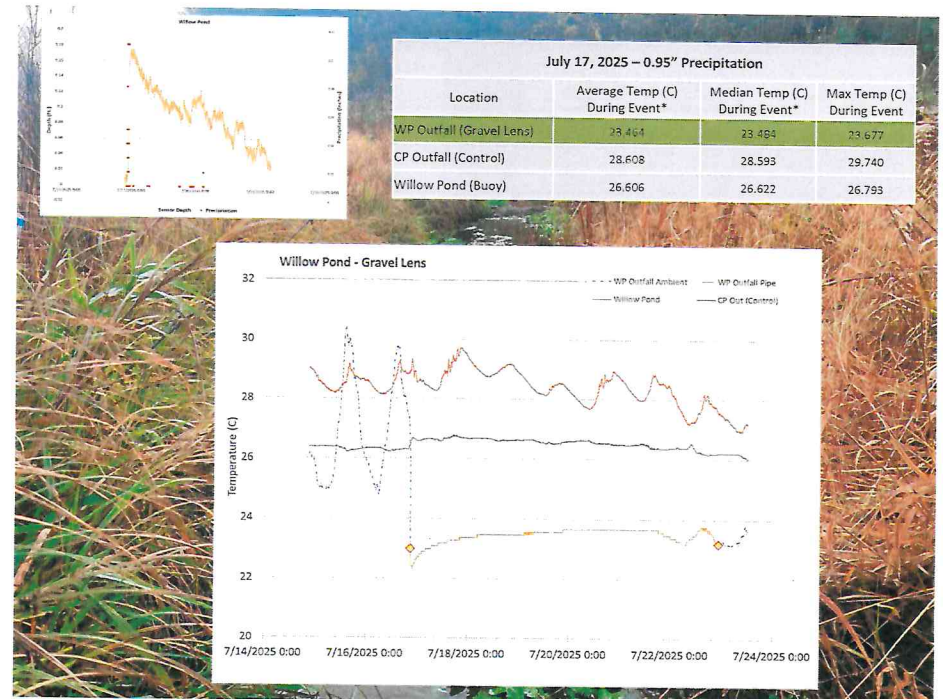
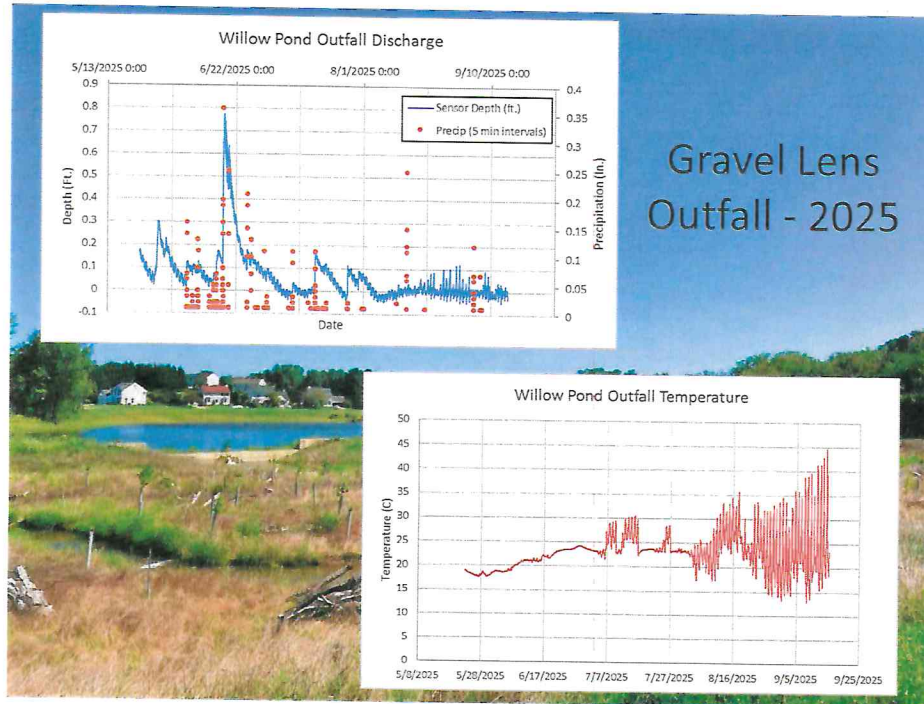
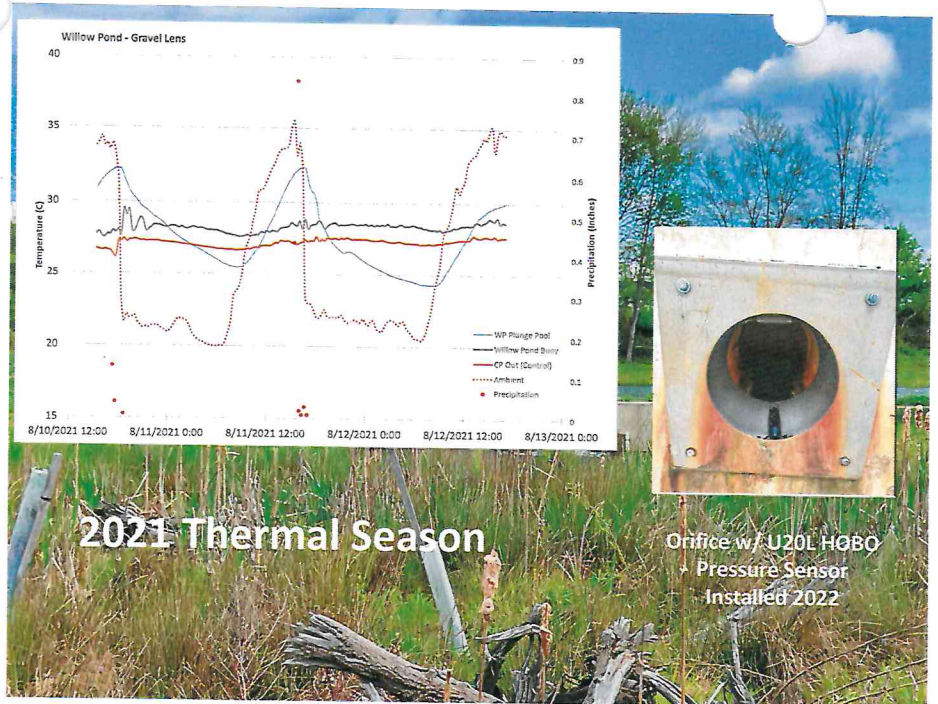
Monitoring Timeline

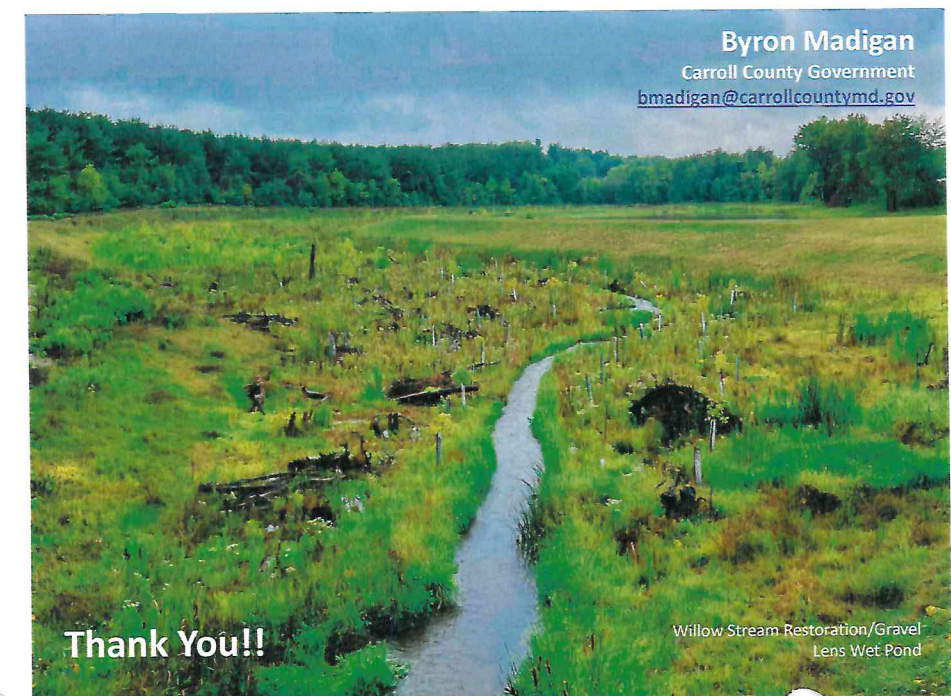
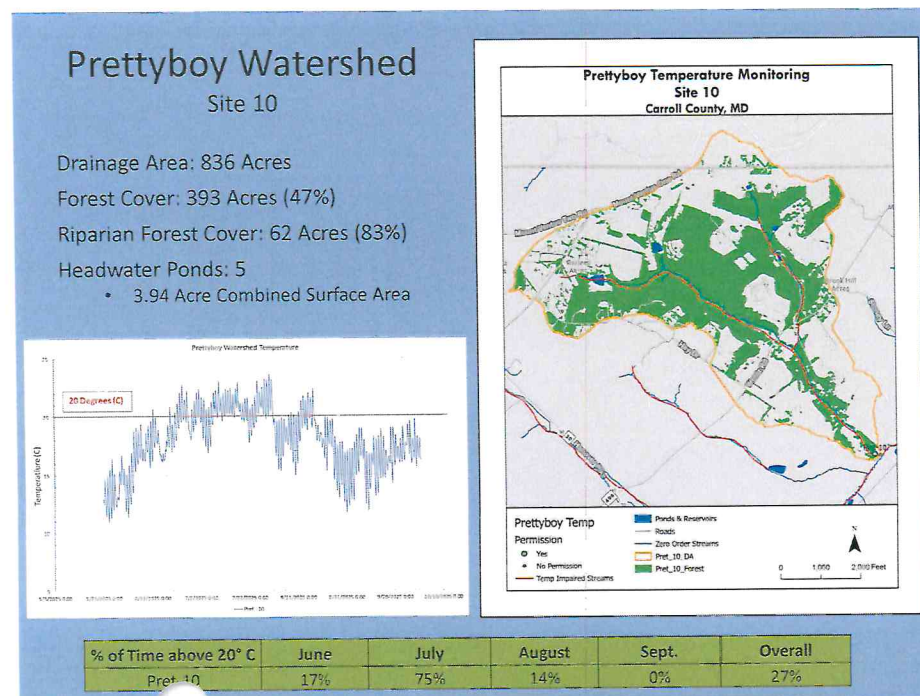
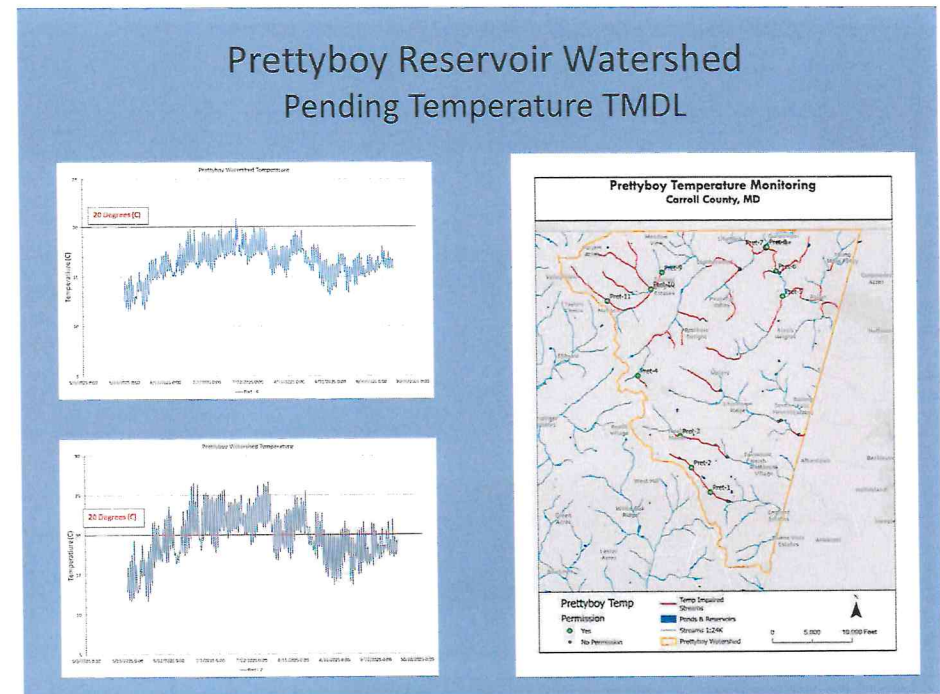
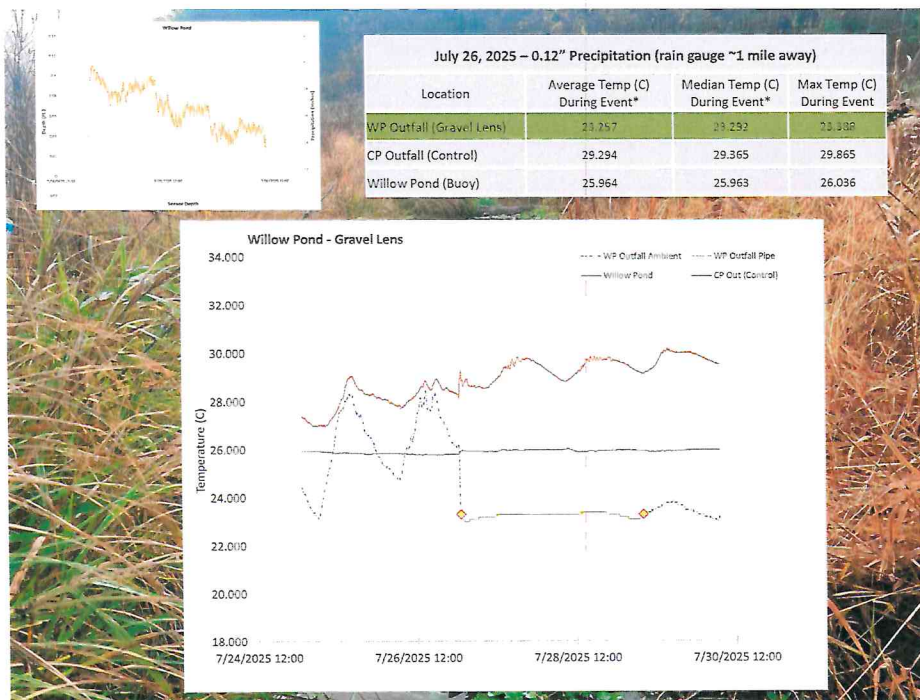
- 2018-2020
 - Pre Restoration Baseline
- 2020
 - Gravel Lens Retrofit
- 2021
 - Buoy Install w/ Watershed Sensors
- 2022
 - Discharge Data Recorded @ Outfall
 - Control Sensor Failure
- 2023
 - Interesting Results; 20-minute sensor readings
- 2024/2025
 - Changed Sensors to 5-minute readings



July 28, 2023 Storm

2021 Thermal Season





MUNICIPAL STORMWATER PROJECT STATUS

June 24, 2026

FUTURE PROJECTS:

Michael's Property (Hampstead) – Project is on hold until Town has obtained approval from property owners to move forward.

CONCEPT DESIGN:

Hampstead Valley 1 (Hampstead) – Retrofit of existing detention basin to a surface sand filter. Site is located just south of Lower Beckleysville Road near a production well. Concept approval was issued January 22, 2025. On hold as options at Hampstead 2/3 are explored.

Hampstead Valley 2/3 (Hampstead) – CLSI developed two concepts for Hampstead Valley 2/3. This project is looking to decommission Sycamore Drive as a roadway embankment or classify it as a super wide while bringing the facility at Hampstead Valley 3 up to current stormwater management standards. Staff visited the area earlier this month to look at options to do smaller stormwater facilities throughout the watershed. Several locations were identified. We will be working with the design engineer to explore treatment options at these locations.

Lexington Run Section 1 (Sykesville) – Design RFP is currently out to bid with bids due back on. Geotechnical work was completed by KCI. The geotechnical report has been provided by KCI.

New Windsor Wetland (New Windsor) – A new submerged gravel wetland facility is proposed adjacent to the Maryland Midland Railroad tracks and Dickenson Run. The proposed improvements include removing the existing inlet adjacent to the intersection of Water St and Church St, replacing it with a diversion structure that will route the 1-year storm discharges to the proposed wetland facility. An onsite meeting was held with the Town to discuss how best to move forward with the project. *We are looking to bring on a new design contractor for this project.*

Winter's Street Pond (Westminster) – This design was awarded to WRA. The concept design for this project has been submitted for concept review.

PRELIMINARY DESIGN:

Manchester East (Manchester) – (DNR Grant Award- \$1,000,000). We continue to work with Mr. LaMotte on property acquisition. The Phase I assessment for bog turtles has been completed; the report didn't identify any suitable habitat. KCI was awarded the contract to perform geotechnical borings; this work will begin in the coming weeks.

Public Safety Training Center (Westminster)- A retrofit for the Public Safety Training Center pond is in progress for the facility design and PFAS remediation. When a revised plan is submitted, we will begin the Joint Permit Application (JPA) process for permitting this project with MDE and Army Corps of Engineers (ACOE).

FINAL DESIGN:

Meadow Ridge Basin 2 (Westminster) – Retrofit of existing facility to provide water quality through a surface sand filter. This site is adjacent to the pump station at the edge of the City limits. Project is currently in for review by stormwater management, we anticipate comments soon.

Roberts Field Wet Facility (Hampstead) (DNR Grant Award- \$1,000,000) – Retrofit of wet pond to new hybrid wet pond/submerged gravel wetland. The County continues to work with Dam Safety to address their concerns regarding Dam Breech, information was returned to MDE Dam Safety for review we are currently awaiting a response.

CONSTRUCTION:

Hampstead Valley 4 (Hampstead) (DNR Grant Award- \$600,000) – A new surface sand filter and step pool conveyance project is proposed between Century Street and Downhill Trail. The final plans were approved by SWM, MD-378 checklist approval received by Carroll SCD. Wetlands and Waterways permits have been received from MDE and Army Corps of Engineers (ACOE). A community meeting is scheduled for April 28th at 6pm. This project is scheduled for concurrence on June 18th to award construction to Kinsley Construction.

TREE PLANTING PROJECTS:

All the municipal plantings have completed their maintenance period and are now the responsibility of the municipalities. Please make sure that these areas are being mowed at least three (3) times per season.