

## Item 8 - Correspondence

**From:** [Donald E. Chamberlin](#)  
**To:** [MCP-Chair](#); [Casey, Jonathan](#)  
**Cc:** [Putman, Jim](#); [Faustini, Lou](#)  
**Subject:** Gregg Road Community Solar, Forest Conservation Plan F202300320, CU 202404 - PWPA response & Stormwater Management Recommendation  
**Date:** Wednesday, November 8, 2023 2:34:40 PM

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Greetings,

The Patuxent Watershed Protective Association (PWPA) has no objection to the referenced Forest Conservation Plan for the Gregg Road Community Solar project.

Regarding Stormwater Management, we recommend that the Conclusion noted in the Existing Culvert Analysis, performed by GLW on 4/26/23, be adopted as a condition of the Project's approval. This Conclusion states:

*"A preliminary analysis indicates [that] in order to meet all criteria required for a 25-year storm event, the existing [Zion Road] culvert needs to be replaced with approximately two 42" circular culverts or equivalent."*

Since GLW's recommendation only addresses a 25-year storm event, the Planning Staff may wish to consider what would be required to handle a 100-year storm event. As the recent flooding in Ellicott City demonstrated, more than one 100-year rainstorm can occur in relatively close proximity. While it is true that for the 100-year storm event, the water top elevation is only fractionally higher than for the 25-year storm event, the estimated volume and velocity (cubic feet/sec) of the water flow in a 100-year storm event is 78.6% greater (233.0 vs 130.4 cfs). Thus, any obstruction of one or both culverts by debris or otherwise during a 100-year storm event, could undermine the pavement of Zion Road at the point of the culverts.

Donald E. Chamberlin, Representative  
*[Patuxent Watershed Protective Association](#)*