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August 25, 2025

Attn: Kenneth L Koppes, PE  
Deputy Engineer / Ditch Maintenance Program Manager  
Madison County Engineering Department  
825 US 42 NE London, OH 43140

Project name: Deer Creek WRF  
Permit no: SW08142025  
Project no: C6A24900

**Subject: Stormwater Review Comments #1**

Dear Mr. Koppes

Jacobs Engineering Group Inc submitted a Stormwater Review package on July 23, 2025 with an updated Stormwater Management Report on July 30, 2025. Then, we received comments and the stormwater checklist from Madison County on August 12, 2025. We appreciate your quick responses to help keep this request moving forward. We have reviewed your comments and prepared this response letter, updated drawings, and an updated Stormwater Management Report to address your stormwater requirements. Responses to your letter's comments are as follows:

Item No.	Comments	Jacobs Comments	Location of answer
1	Before or during construction, any subsurface tiles encountered must be allowed to flow unencumbered to its outlet. It can be routed around the facility or tied into the storm sewer system if feasible.	Understood, Jacobs will provide direction to contractor.	See updated Section 3.2.
2	Having the offsite surface water flow to the perimeter swales and culverts through the fence could cause crop debris to catch and back water up on the upland farm fields. Could the fence be moved to the inside of the swale?	Project would prefer to keep the fence as close to property line as possible. Plus, future land-used cannot be predicted and it may not be a crop in the future.	Not applicable

3	The culverts on the access drive at station 22+50 show 2~ 18" equivalent pipes. The calculations show it as 24".	The dwgs actually show 3 equivalent 18+D6+E8	005-C-182 and Appendix G
4	Where is the outlet for the bio swales along the access drive?	There is no outlet. The 18" deep roadside swale accepts flow from roadway and will overtop during extreme storm events.	Not applicable
5	What is the normal water elevation of the existing pond? One place says 998.00, while the survey data shows it as 998.70.	Pond elevation varies throughout the year depending on conditions. Sometimes it is higher and other times lower. The pond discharges through a channel at the southeast corner. The bottom of the channel varies, but 998.0 is the approximate bottom.	005-C-163
6	Is there an outlet structure for the existing pond and what is the elevation?	There is no structure, but a connecting ditch that discharges to the DOT right-of-way. See comment above.	005-C-163
7	Has Mid-Ohio purchased additional property along the access road? Currently, some of the drive and swales are outside of the property line.	A construction easement was provided by the property owner.	Not Applicable
8	Have you obtained permits from OEPA?	Our NOI stormwater permit with OEPA has been approved for this project.	Not Applicable
9	What is the impervious area before and after construction?	Before is 0 acres. After is 5.21 acres.	Appendix D
10	Does the SWP3 identify pollutant-generating construction activities with the associated potential sources of pollutants/ pollutant source?	yes, see new Section 3.4	Section 3.4
11	Does the SWP3 identify who is responsible for the implementing erosion controls?	yes, see new Page 3 of SWP3	See Page 3 of SWP3 (new page)
12	Does the SWP3 identify the maintenance procedures for the erosion control measures?	yes, see new Appendix K, Operation and Maintenance Plan	Appendix K

13	Does the SWP3 include preservation BMPs (soil restoration, vegetative buffer strips, etc.) with their description, installation timing, and maintenance?	not applicable	
14	Do construction activities maintain an undisturbed setback to comply with the buffer and stabilization requirements?	not applicable	
15	Does the SWP3 identify who is responsible for implementing the sediment controls and maintenance procedures needed to ensure continued performance?	yes, see new Page 3 of SWP3	See Page 3 of SWP3 (new page)
16	Does the SWP3 describe the post-construction BMPs to be installed during construction?	yes	See Section 3
17	Does the SWP3 provide and operation and maintenance plan for post-construction?	yes, see new Appendix K, Operation and Maintenance Plan	Appendix K
18	Are the practices uniformly distributed to create manageable runoff volume for storage and infiltration?	yes	Not applicable
19	Does the plan contain a minimum of two Low Impact Development structural practices and management methods?	Project contains several swale systems within the WRF site rather than storm inlets & pipes. Also, pavement was kept to a minimum. Additionally, open tanks capture stormwater and treat rather than discharge to the stormwater system.	005-C-101 and 005-C-150
20	Do the drawings show, limits of earth-disturbing activity?	yes, within the property and silt fence limits	005-C-150
21	Do the drawings show, the limits of any riparian setbacks, conservation easements, or areas designated as open space, preserved vegetation or otherwise protected from earth-disturbing activities?	Not applicable for this project; however, the existing onsite pond will be protected except where shown to accept stormwater. Also, Section 6 and Appendix G was added to report that addresses wetland impacts.	not applicable

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22	Do the drawings show, areas of proposed floodplain fill or excavation?	Not applicable for this project. No designated floodplain onsite.	Not applicable
23	Do the drawings show, permanent post-construction stormwater management practices?	yes	005-C-101 and 005-C-150
24	Do the drawings show, all erosion and sediment control practices, including topsoil stockpile locations?	yes, stockpile locations will be within construction staging areas.	005-C-150
25	Do the drawings show, areas likely to require temporary stabilization during construction?	yes	005-C-150

As a supplemental to the updated drawings, report, and replies to the comments, we are also providing the seeding plan as an attachment to this letter. See "Final Topsoil and Seeding Plan - 2025.08.14.pdf" for details.

If you have any questions regarding this letter, please feel free to contact me either at the telephone or email address listed below. Additionally, if this review requires additional comments beyond this submittal, then we request a meeting between Jacobs and the Madison County Engineering Department. This will ensure that Jacobs can convey the design and intent of the Stormwater Plan clearly.

Kind regards,

Brendan Wrobel  
Project Water Resources Engineer

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Attachments:

Final Topsoil and Seeding Plan - 2025.08.14.pdf

Mid-Ohio\_SWPPPandappendix\_2025-8-21.pdf

Copies to: Matt Noelker, Peterson Construction Company  
Jason Zhang, Jacobs  
Chad Roby, Jacobs