

MINUTES

MONROE COUNTY DRAINAGE BOARD

Wednesday June 1, 2022, at 9:00 AM

Location: Showers Building Room 106D

Hybrid Meeting with Virtual Attendance via Zoom

MEMBERS PRESENT: Robert Autio, William Riggert, Trohn Enright Randolph (*ex officio*), Ginger Davis, Lee Jones

MEMBERS ABSENT: James Faber

STAFF: Donna Barbrick (Secretary), Kelsey Thetonia (MS4 Coordinator), Lynette Murphy (Stormwater Admin), Erica Penna (Stormwater Inspector), Adam Rickert (MS4 Assistant), Katie Brisbee (Stormwater), Cason Page (Stormwater), TSD, Planning Staff

OTHERS: Randy Cassady

1. Call to Order by Autio at 9:06 am

Introductions were made around the table.

2. Approval of Minutes for: March 2, 2022 +

William Riggert made a motion to approve the minutes. Ginger Davis seconded. VOTE by roll call; motion carried unanimously.

3. Public Input for Items not on the Agenda (none)

4. Old Business

a. Resolution 2022-1: Critical Drainage Areas (adding Jackson Creek (Clear Creek) and Bunger Branch)

5. New Business

a. Resolution 2022-2: County-wide Release Rates

b. Resolution 2022-3: Acceptable Methods for Determining Runoff Volume and Peak Discharge

Thetonia said she put several resolutions on the agenda; these resolutions are not fully drafted so she did not have anything to include in the packet. She said she did not want to wait for the whole stormwater ordinance because there is so much to it. She said she is working with Planning and others to put policies in place so we can start implementing the new design standards. She said critical drainage areas were initially looked at in the nineties because of flooding. She talked about countywide release rates and a countywide study by Christopher Burke (CBB) with stream stats. She said defining the release rates would make it more

straightforward for engineers. She talked about a resolution for methods. She said eventually I hope to update our intensity tables.

Lee Jones asked if these were revisions to the drainage ordinance. Thetonia said the new stormwater ordinance has not yet been implemented. She gave some history of the draft ordinance. She said the Technical Standards Manual portion is very technical and still needs work. Trohn commented that the Technical Standards Manual could be more fluid for updates.

Thetonia said she talked to Dave Schilling (Legal) and he would be reviewing these before we vote on them. She said we can pass policies that would override the current ordinance. She said this resolution takes what is in the technical standards manual and is putting them into smaller pieces so there is something to hand out to engineers. Trohn commented about creating a precedent of policy over ordinance. Thetonia commented that the Drainage Board (DB) voted on the Critical Drainage Area (CDA) release rates and we are implementing them.

Trohn asked what are we fixing, mitigating or preventing with the resolutions. Thetonia said these resolutions would be for the DB to pass, not the commissioners. She said this would be specific to the DB. There was a discussion of using different terminology such as technical bulletin or memorandum.

Autio said he had questions. He asked about CDAs besides Bunger Branch and Jackson Creek. Thetonia displayed a map. She talked about Chapter 761 Appendix B not lining up with those areas designated on that map. She talked about looking at design standards for areas that flood. She talked about Planning having more stringent requirements for steep slopes. She talked about protecting critical infrastructure. She said Dillman Treatment Plant is downstream and I think we should protect the entire watershed upstream from the wastewater treatment plant. Trohn talked about options to help get data to improve the representation of CDAs. Thetonia said the CDAs are specifically to outline for which watersheds we want more stringent design standards. She said we have a separate list of roads that flood, whether standing water or flowing water. Davis suggested language such as “special attention watersheds” or “critical phase 1/critical phase 2.” Trohn said there has to be some kind of rationale to justify it, such as a density threshold. Thetonia said including more of Jackson Creek and Bunger Branch as CDAs would leave us pretty well protected from issues we have been seeing on the west side of Bloomington and in Jackson Creek watershed. She thanked DB for the feedback and said if you have any other things you think of, feel free to call or email me as I draft the policy or whatever we end up calling it.

6. Staff Reports/Discussion

a. Barberry Lake Estates (Ellettsville MS4 jurisdiction – info only)

b. Summary of Recent Site Plan Reviews

i. 3800 W Constitution Ave. Site Plan (Cook Medical Parking Expansion)

ii. 515 S Curry Pike Site Plan (Highland Village Church Expansion)

iii. 2161 N Angelina Ln Site Plan (Duke Laydown Lot)

(Lee Jones left the meeting)

Thetonia said there are a number of things going on in CDAs. She displayed a table including several permitted sites that have been/are being reviewed. She said when DB first formed it was reviewing petitions for Plan Commission and it got to be too much and it was put on staff. She said I would like to get back to at least giving DB a summary. She said I wanted to talk about commercial site plans in CDAs. Erica Penna said there were about 40-50 permitted sites for which stormwater inspections would be needed. She said CBB would be doing drainage plan reviews soon since Terry Quillman has retired. She said she and Terry had a good discussion on detention design.

Thetonia reviewed the drainage plans for the projects for DB members. She talked about replacing trees that may be removed to put in a detention pond on a site. She is finding engineers putting trees on top of underdrains, on other structures, and on embankments. She said Erica is doing inspections on older detention ponds and we have to tell people to remove mature trees in order to replace an underdrain or clean out a pond that is meant to accumulate sediment. She said there are bigger picture issues with landscaping that I want to address.

Regarding Barberry Lake Estates, Thetonia said this is a site plan brought to her by the Town of Ellettsville since they have had some turnover there. She said this new development drains into the county across a private property and into a small terminal sinkhole. She said the sinkhole actually drains west. She said this is an interesting conversation on drainage areas crossing jurisdictional boundaries. She talked about a watershed boundary with a small area that drains west into the terminal sinkhole. She said the Ellettsville Plan Commission approved Barberry Estates in early April. She said my question is how we can improve coordination between jurisdictions. Trohn said there might be some willingness to adopt some of these CDAs; I think we could be proactive and communicate with them. He said I think they are still writing their ordinance.


Thetonia asked if there was time for a brief overview of acceptable methods to design ponds. She talked about modified rationale method and TR20 method using computers. She said it is becoming the state standard to use TR20. She said modified rationale is good for estimating things and does an okay job. There was a discussion of the two methods. She said Terry Quillman did not want modified rationale at all, only TR20. She said we had a discussion recently comparing the methods. She talked about issues for smaller sites. She talked about possible training on the TR20 method for area engineers. She said she would like to have a discussion with the City about how they are deciding things as well. Davis said she wondered about studies that may have been done on the subject. There was a discussion of what might work for a small watershed and for smaller sites. Thetonia said she would have something more to show at the next meeting.

7. Adjournment – at approximately 10:27 a.m.

a. Date of Next Meeting: Wednesday July 6, 2022, at 9:00 AM

There was a discussion about changing the July meeting date.

Minutes approved: 10/24/2022



President

Donna Barbrick

Secretary