

**DRAINAGE BOARD
REGULAR MEETING MINUTES
JULY 3, 2019 9:00 A.M.
SHOWERS NORTH ROOM 100B**

MEMBERS PRESENT: Robert Autio, Dee Owens, William Riggert, Lisa Ridge and Trohn Enright-Randolph (*ex officio*)

MEMBERS ABSENT: James Faber

STAFF: Donna Barbrick (Secretary), Terry Quillman (MS4 Operator), Connie Griffin (MS4 Assistant)

OTHERS: Ruth Taha, Katie Stein (Smith Brehob), Don Kooarek, Sidra St. Rain, Ibrahim Taha, Pat McLaughlin, Melanie Douglas

I. APPROVAL OF MINUTES FOR JANUARY 2, 2019

Lisa Ridge motioned to approve the meeting minutes. Bill Riggert seconded. VOTE: AYE (unanimous). Minutes approved.

II. NEW BUSINESS

A. Greet New Board Member – Dee Owens

Ms. Owens said that she has lived in Monroe County for twenty years and has worked with fire departments and with federal regulations. Other members of the SWMB and staff introduced themselves.

B. Introduce Connie Griffin – Dana’s replacement

Terry Quillman said that Dana took a position with the University of Michigan and Connie came over from Planning to fill her position.

C. Discussion – Taha property, 441 E. Cardinal Drive

Quillman gave an overview. Several exhibits were passed around. Quillman said that the Tahas came with a request for support. He talked about a large drainage basin and how in their rear yard there is a 30-inch plastic pipe that goes under the road and into a detention basin across the road. Quillman said that the 30-inch pipe was probably installed before the current ordinance. He said he suggested the Tahas take the deck off from on top of the pipe. He looked at extending the culvert to the back of their property but it doesn't really help with the fact that this is designed for a 25-year storm. The Tahas have asked for ideas. Quillman said about the only thing that he can come up with is when the property north of them develops, he could request the engineer to use the capacity of that pipe as their allowable outflow, to restrict and correct it at that point. He said I don't think extending the pipe would accomplish much. He said their yard does stay wet. He said he could not find the plat to see if there were easements. He said they have an issue but I am not sure what we can do and I am throwing it out here for discussion. He said about the only thing I know to do is to be mindful of it when developments come in to the north, to try to reduce flow at that time.

Riggert asked about a development to the north having a series of detention ponds. Quillman said Holland Fields is under construction. Katie Stein talked about where the drainage goes with those ponds; some of the flow goes north and some goes to the south pond. She said it was intended to reduce the current flow to way under what is currently flowing there now. She said after the detention basins are put in, it will reduce the flow rate by about half.

Ridge asked about requiring the Holland Fields developer to complete the ponds before they go further with the development. Quillman said he had been out there yesterday and he is pushing them to get the detention basin in to serve as a sedimentation trap. He said that would be the direction to go; it's been difficult to get the developer motivated. Ridge asked about withholding permits. Quillman said on the new section, I could look into that.

Pat Laughlin introduced himself. He said he wanted to share a few products off of the Indiana Geological Survey website. He passed around LIDAR images of the area of the Taha residence. He also passed around some Ortho photos. He said their house was built, it looks like, in a channel. He said he talked to the developer in the last couple of days, who said that the county needs to put in a 48-inch pipe. He had concerns about things washing out of a horse pasture into yards and onto a roadway. He talked about a huge pile of dirt on a development site that is actively eroding.

Mr. Taha said we bought the house in November and the flood situation was unexpected. He said in the last five months there have been three times where the property has flooded. He said the 30-inch pipe is not adequate. He talked about detention ponds in the area.

Bob Autio had a question about the location of the detention pond. Stein showed where the Holland Fields detention ponds were supposed to be built.

Quillman said he would be uncomfortable replacing the culvert because it would be a significant cost to the stormwater utility for one individual. He said if DB wanted, I could take that to SWMB for their approval. Ridge said right now our ordinance doesn't help us address these issues. She talked about developers taking years to finish their subdivisions. She said this is the kind of stuff that we get every day that goes back to engineering and development and enforcement and it's not fair to adjacent property owners. Quillman said I have become mindful of these downstream restrictions and I will be asking for more of an analysis of downstream; obviously it's too late for this. He said also changing the ordinance for stricter standards for detention, but that doesn't help with this situation. Riggert asked about the condition of the Holland Fields detention ponds. Quillman said that he and Dana Wilkinson were out there two or three times inspecting. Riggert talked about Rule 5 violations and possibly getting IDEM involved. Trohn Enright-Randolph mentioned another name at IDEM for enforcement, also. Quillman said I like the idea of looking into the permits. There was a discussion of recent significant rain events.

Quillman said the primary thing I would like to get from DB is it appropriate to consider a new culvert or not. Riggert said I think my goal would be to look into enforcement for detention. Trohn said when the city was introducing a way for private citizens to go through the stormwater program and get assistance, they started a grant program and if we move in the direction of assisting on private property that a grant program where we're able to prioritize projects. He said if the county had such a program, that would be a way that we could assist. Autio asked about reaching out to the developer or the farmer. Quillman said I am happy to do that; I can do that as I contact them about erosion control measures. Trohn asked Quillman about other ordinances. Quillman said nothing comes to mind. He said in the enw ordinance I am pushing for wider overflow details and emergency routing. Ridge talked about a house built in a channel and asked how it got approved. Quillman said I tried to pull the plat but I am finding that easements are set at minimum and then there is still the 100-year that may or may not fit in that easement. There was a discussion of houses being built without looking at the overall effect.

Mr. Laughlin asked about extending the pipe. Sidra St. Rain had a question about measures to keep the horse manure from going across the yards. Quillman said you are absolutely right but I am not sure what leverage I have to do anything about that. He said I could check with the Health Department. Autio said he would be happy to go along on an inspection if that would be helpful. Quillman said he would do

legwork and get back in touch with the Tahas. Ridge said the new ordinance will be a lot more strict so putting it out there that this is coming is a good thing. She said we'd like to get that passed this year, sooner rather than later. Quillman noted that there would be public hearings about it.

D. Monroe County Humane Association

Quillman said this is a development plan at 791 S. Fieldstone Blvd. off of Kirby, just east of the airport. He said this is an amended PUD. He said it is pretty straightforward and I don't see any issues. He said I've worked with Katie and had several small comments, which I think she has accommodated.

Katie Stein (Smith Brehob) gave a rundown of the development. She said there are roughly thirty acres of offsite that is coming into this development. She said there are four lots here at the Humane Society (MCHA); they will develop Lots 1 & 2 and do not plan to develop Lots 3 & 4. She said there is a large offsite drainage area coming onto the site which is why we have the drainage swale along the south property line and then it starts to head north and then everything from this site right now goes into an existing 48-inch culvert that is under Fieldstone Boulevard and heads to the north. She said this is all part of the Cave Creek critical watershed so the detention pond on this has been sized accordingly to hold back the amount stated in the ordinance. She said it will also provide water quality for this site as well. She said that is the overall drainage plan; everything will go out through the existing 48-inch pipe which has adequate capacity to handle this development. Quillman said he was concerned about offsite drainage to the south and Stein has put in twenty-foot easements all along the south property line and created a swale on Lots 1 & 2, the west half. He said the idea is that when Lots 3 & 4 develop there will be a swale along the rear lot line that will be cut over to the center ditch. Quillman talked about an area around the dumpster on the plan. He said that is right on the edge of the easement. He said they are asking for a variance to leave this as it is. He said about half of the dumpster encroaches on the easement; I am supportive of it because I see that it is key to the trash truck to have access and there is still good access to do maintenance and it will not restrict flow. Ridge asked how this new development would not have an effect on the Cave Creek watershed. Quillman said I would refer back to their drainage calculations where they show a decrease in the discharge. Stein said she was told that the regional basin was sized to handle development from these sites, but she doesn't want to rely on that. She said she wanted to stay with detention on this site because of known issues downstream. Quillman talked about sequencing for building, with the basin getting built first for erosion control and it would also serve as detention. Ridge talked about seeing pictures of the flooding issues in the Fieldstone area.

Autio asked about the drainage calculations of this plan compared to the requirements of the new (draft) ordinance. Quillman said the new ordinance has allowable discharge based on a certain flow per acre contributing to that basin and I think for a ten-year it's .3 cfs. He talked about how to do the calculation with the new ordinance requirements. Ridge expressed concern about adding more to the area and property owners who are upset that problems have not been fixed.

Trohn asked Quillman if there should be more detention where the flow is being re-directed so that there would be a little more control over how the water is released. Riggert said I don't think you are going to get any benefit out of detention there because it's really the volume not so much the flow rate. Quillman said anything we put in the ditch would go back to that offsite passing through it and there would be issues with that. Quillman said this would not be going to the Plan Commission. Trohn asked about the capacity of the swale during a rain event. Stein said that the planned swale can handle roughly 40 cfs the way it is designed. Autio expressed interest in new calculations based on the new ordinance and comparing the calculations made with this plan. Quillman said he could do that.

Autio motioned to approve the drainage plan, based on the favorable comparison to the new drainage ordinance calculations and contingent on the approval of Terry Quillman. Riggert seconded. Vote: AYE (unanimous). Motion carried.

Autio motioned to approve a variance in the plan for the dumpster encroaching in the drainage easement. Dee Owens seconded. Vote: AYE (unanimous). Motion carried.

IV. ADJOURNMENT

The meeting adjourned at approximately 10:30 a.m.

Approved:

Signed:

Attest:

Robert Autio, President

Donna Barbrick, Secretary