

Randolph County Drainage Board

325 South Oak Street * Suite 206 * Winchester, IN 47394 * Phone: (765) 584-0609

Present:

Michael D. Wickersham, Chairman
Gary Friend, Vice Chairman
Gary L. Girton, Member
Edwin L. Thornburg, Surveyor
Meeks Cockerill, Drainage Board Attorney
Casey Keener, Drainage Board Secretary

Minutes for May 6, 2024

Mike Wickersham calls the meeting to order. Let the time reflect it is after 10:30 A.M. The first item is to approve the Minutes for Monday April 1, 2024 meeting. Gary Friend moves to approve the minutes as presented, Gary Girton seconds, Minutes approved as presented, motion carries.

Mike states, the next item is the surveyors report. Ed starts, the first thing we've got on our on our list to discuss is the Union City Solar project. Mike Bruns with Bruns Consulting is here explaining it to us. Mike Bruns starts: So basically, they are looking at four different locations in Union City. One of them is on the rooftop and three of those are ground mounted systems. When they submitted for their application, they talked to Ed and there was a discussion that they needed to look at storm detention. So, the documents you have in front of you are our application to show how we are meeting this storm detention requirement. There is like so the three locations are the North water plant, the South water plant and the wastewater plant. The drawings that are in front of you are three pages of each, starting with the north plant. The first sheet shows where the panels are going with dimensions. The second sheet of each set shows the existing elevations and then the third sheet shows our proposed elevations and how we're going to get the detention accordingly. So, you have three sets, 3 drawings for each set. Mike Wickersham asks are the black lines on the third page is that the change in elevations to create the retention. Mike Bruns replies, the black lines on the third page the X's are point elevation, so that's how we're showing how we're grading it. And then the black lines are contoured so it shows an elevation. So, if you look at it, you'll see a yard drain like on the first sheet of 1088.4. And then you get to an elevation of 1089, which means you're going to have in that area, you're going to have up to 6/10 of water retained. And then the next elevation shows a contour of 1090, which is the foot higher. And so that basically shows that anything inside when the water backs up anything inside that. Contour 1090 will be. 1.6 feet above the yard, drain and spread out accordingly so that shows where the storm detention is actually going to be. And this is a dry system, which means, you know, we got an outlet that's going to drain during normal operation on the backs up, it'll back up across that because we're putting an orifice plate on that outlet. But the intent is that that is not a wet location. Mike Wickersham says OK. Mike Bruns goes on, then I also submitted another packet, the other packet, the 1st 2 pages is the letter that I wrote to Ed, kind of explaining the site location, the square footage of the field, how much storm detention we have, and how we're detaining that water as far as what kind storm system it is, but basically, it's going to be a yard

drain with an 8-inch storm sewer that goes to the existing. On two of them, it goes to the existing storm sewer. On the wastewater plant it actually goes to a county ditch that's adjacent to the to the wastewater plant. And then the 3rd, 4th and 5th sheet of the 8 1/2 by 11 packet shows the calculations how we came up with the storm detention that we needed. The 6th, 7th and 8th sheet, the 9th sheet actually shows how we came up with the intensity of rainfall. Just kind of back up information that shows that we used data relevant to your area. Actually, data due to rainfall. Then the last item is the restrictor mat that's being placed. If you look at it, it actually shows that water permeability. They're supposed to be 10 gallon per minute per square foot. That actually goes through this mat that they're putting down. Ed had a little bit concerned though because of his concern is that once this mat placed. They have to put about 3/4 of an inch of 57 across this mat #1 to keep it down #2 it can't get sunlight or erodes his concern right away is well, what happens over four or five years when that starts killing themselves, stuff like that. Way we designed for 100% runoff. It showed that this map supposedly will take water through it, but we took a worst case and said, OK, what if no water gets to that point? It was designed accordingly. So that's basically the packet that I submitted. Ed responds, the reason that he's here presenting this because you know most solar arrays, most of the solar installations, that's been done around have not had to submit a plan. Biggest reason is because of the size of these sites. They're all residential areas, and you know when we when we do on out alongside somebody's 40-acre cornfield. There's plenty of area adjacent that can absorb that water. These sites don't have that luxury. We are trying to be careful for the neighbors, that's basically why we ended up here. I like what he's put together this this map. Experience is a whole new thing. When they originally were, and to be honest, the people from the project don't understand how the SMAC work. I think the state completely clueless about this absorption rate and the map because they to hear them describe we're putting a tarp down on this site. But like I said, what he's put together is very workable. It's going to be a very minimal hardship to developer. This is a unique system. We don't have anybody else that's putting on skids with ballast in them. This is a workable project. The this is part of a grand project at Union City assignment themselves up for. This this is the part that people will see. I do recommend that we approve this. Gary Friend, do either one of you have a map of Union City showing where this located. Like an overview. Mike Bruns responds, No, but the South water plat is on the very South end of town. Gary Friend says, Well, I was just wondering what kind of footprint it has in the city itself, it's like 55,000 square feet. Mike Bruns, Yeah. I mean, the one that the water plant, the wastewater plant, which is the biggest 23 thousand, so it's about half an acre. The other two are 19,016. So, they're third of an acre. They're right there on the grounds of the plants. So, I mean, like I said, this village owned property, actually the wastewater one is right in the middle of the plant. Ed says, Yeah, it's all sitting on property. Gary Friend, I know that, I was just curious. Mike Wickersham ask are you recommending this. Ed replies, Yes.

Mike Wickersham ask Gary Girton, do you have any? Gary Girton replies No, I do not at all. If Eds recommending it, I'll move to approve the Stormwater plan for the Union City Solar project. Gary Friends says, I'll second the motion to approve the proposed solar field drainage plan. All in favor signify by saying aye. Aye. All opposed. Motion Passed.

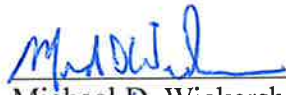
Ed says, just to keep you guys aware of what other thought we've got going on. First, we're still cleaning up storm damage stuff. We've got our open ditches cleaned that we needed to get the working or get the brush and debris out. We've got about half a dozen brush piles that's going to

be burned during the next few weeks. I will give the guys that did the cleaning on this huge point for sorting material out. But the most interesting part of the whole thing was the number of plastic balls that we found on each of these open ditches. The other thing we had to go on, we just went through an experience. I had to relocate a tile that failed at the edge of the road. There by the. 300 just you know, just South of the airport. We changed the location of the power going through because there's a really good culvert and we went under it, so I moved the ditch over to the side to get past this. And we got to spend time with the new Fiber optic line we didn't cut it. Ed continues but it came in six inches above the bottom of the ditch. And they did send the crew in something I didn't know they could do. I knew each of our hand hold boxes that were OK has fiber wrapped in it, you know, coiled it for use for splicing. They dug out down a foot and a half below the tile. They actually cut the conduit. They have a splice they put it in and had fixed it. They were probably a day or a day and ½ fixing it. We probably had an extra day's labor in it because of the crossing. But learning how they did that was a good thing to know.

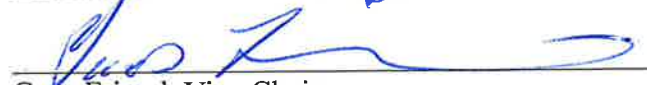
Mike Wickersham asks, Any questions of Ed? Gary Friend says I just let Ed to know I met with Chad Roth from US Ag. He wants to talk to the Surveyor, they got some drainage questions. The pictures I sent you, Gary, was the and Mike the Red Line is the minimum amount that the State wants for a blind entry, but we didn't make the entry there, so we'll see what comes up in the future, what needs to happen out there. Mike says yeah. ok if there's nothing else, I'd entertain a motion to adjourn.

Gary Friend makes a motion to adjourn the meeting. Gary Girton seconds, motion carried, meeting adjourned.

Signed this 3rd day of June, 2024 in the Randolph County Commissioners Room, Winchester Indiana.



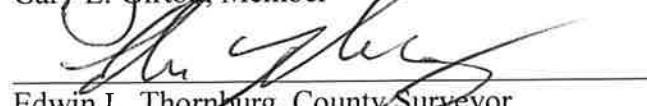
Michael D. Wickersham, Chairman



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Edwin L. Thorpburg, County Surveyor