

## REGULAR DRAINAGE MEETING

Wednesday June 08, 2022, 10:00 A.M.

This meeting was held electronically and in-person

6/8/2022 - Minutes

1. Reconvene Meeting

Hardin County Trustee Lance Granzow opened the meeting. Also present were Trustee Renee McClellan; Lee Gallentine of Clapsaddle Garber Associates; Jack Runge; Ron Vierkandt; and Michelle Kuechenberg, Drainage Clerk.

2. Approve Agenda

Motion by McClellan to approve the agenda. Second by Granzow. All ayes. Motion carried

3. Introductions/Attendance

Introductions were made and attendance was verified.

4. DD 14 WO 290 - Televising Results

Granzow asked if there has been any written requests or phone calls. Kuechenberg stated she received an email from Cindy Ioerger stating she would like to vote the same as Jack Runge.

Gallentine stated they started at the existing access point right at the south side of the D41 to S27

per the landowner request. Gallentine stated they ended up televising upstream about 1/8<sup>th</sup> of a mile north from the intersection of D41 and S27. Gallentine stated the tile is not in bad shape overall, a few cracks here and there, but it is pretty much still round. Gallentine stated there were signs of previous repairs, we found plastic in some spots and rusty CMP in other spots the biggest problem they were concerned with was a private connection that was intruding enough so that they could not get past it when they were televising. Gallentine stated in that same spot the clay tile may not have been good when they made the connection because there is some single wall, they replaced it with and you can see the top starting to deform. Gallentine stated the CMP is another concern because once that stuff starts to rust it usually does not take long to rust through, Gallentine added there was about 62 feet of that. Ron Vierkandt asked how he is getting 62 feet, it must be in the road. Gallentine stated he thinks most is in the road and there is some in the field. Vierkandt stated about 4-5 feet would be on his property. Gallentine stated that piece under the road we were aware of and that is why we put in that inspection. Gallentine stated there is a little bit less than 20 where the pipe is not only cracked but there are some random cracks going in some weird directions. Gallentine stated that is something to watch, he does not know if it will fail or when, but it is not as big of a deal as that deformed single wall plastic. Gallentine stated if anything moves forward with the project or not, we recommend that the intruding tap and single wall be replaced will dual wall or something that does not intrude other than that it appears to be clear and flowing. Runge stated 6 foot in they had to change the tires because it is in that far. Runge stated he asked Lee a couple of weeks ago about his estimate and asked if he would like to repeat that. Gallentine stated they had talked a couple of weeks ago because Runge wanted to know what kind of compacity reduction that would be. Gallentine stated looking at it he might be losing 20% at the spot they discussed, it is hard to say how far up the stream that reflects. Gallentine stated the other thing is you get reductions if you go from a smooth wall pipe to a ripple wall pipe, a ripple wall pipe has more friction in it. Vierkandt stated he does not have a clue where that came from, he has never tiled on that 20. Vierkandt stated he knows it was fixed, but it was fixed by Zoe and he does not think Zoe would do that. Gallentine stated he does not think anyone would purposely do this. Runge asked which one they were referring to. Gallentine stated the tap that is intruding. Vierkandt stated he has never put any tile in that 20, there is some plastic tile coming up to it. Runge stated he is going to disagree. Runge stated Luke Vierkandt came flying out there with his pickup when they were going to dig it up because they could not get the camera by it and Luke stated he tried to reach in there and cut it off. Vierkandt stated the one that they tried to cut out was further upstream. Runge stated Luke told him that. Vierkandt stated Luke did not say that. Vierkandt stated it is further downstream right on the edge on the road, he knows where Runge is talking, but he did not do that. Vierkandt stated he does not have any plastic in that 20 where it dropped out one year in the mid-summer when the corn was tall, they had a hole where it blew out and it was fixed by Zoe. Runge stated Luke stood right there and told them when he came flying over there. Vierkandt stated Luke was further down, he has to be. Vierkandt stated no matter who did it, it's not our fix. Gallentine stated typically when the taps are intruding no one does that intentionally. Vierkandt stated they found some that are by the road there, but that is how they made them back then. Vierkandt stated that was a fix at some point, but he never did that. Runge stated Luke came right over there. Granzow stated we should move on, but he agrees this does need to be fixed. Gallentine stated he recommends that it does get fixed and so it is not intruding. Runge stated he has questions about the one that is 6 foot in the picture in the Engineer's Report. Granzow asked if they are saying it could have been a repair. Vierkandt stated it is a repair, but he has never tiled into that 20 with plastic. Granzow asked if Vierkandt had repairs on that 20. Vierkandt stated he has. Gallentine told Lance that Runge is talking about the intruding taps in the road ROW. Gallentine stated it is where the rusty CMP is right now. Vierkandt asked where they were. Gallentine stated they were in the road right of way. Vierkandt asked if it was on D41 by the access point where they started televising. Gallentine stated they are probably close to the road surface or shoulder. Gallentine stated it appears to be flowing pretty good. Runge stated he was happy with the way the tile looked, it's round yet and has not mushroomed.

Gallentine stated he guesses there is one thing he forgot to mention, at the end of televising they turned and looked at a lateral that was coming in from the west and there was a bottle in it. Gallentine stated that is a private tile issue. Runge stated he thinks the glass bottle was cemented in. Gallentine stated you can see the bottom of the glass bottle. Granzow asked if the glass bottle will eventually get into our district tile and cause problems. Runge stated it was right at the T. Gallentine stated it is possible it could, it would not hurt as a preventative measure to go get it removed. Gallentine stated it is an old bottle, he bets it has been in there since the tile was laid. Granzow asked what the owners think, should we go after the bottle? Vierkandt asked if it was over where they stopped in the televising. Gallentine stated it was at the north end going to the west. Runge stated it would be about 8.84. Gallentine stated it was at 9.40. Runge stated it does look like it is cemented in. Gallentine stated it is either mud or cement around it right now. Granzow stated it does not sound like at this point it would be very productive to go after that then. Gallentine stated it is not a huge bottle because the lateral coming in is maybe an 8 and the bottle cannot be anymore than 2-3 inches diameter. Gallentine stated it was just interesting, he has never seen a bottle chucked in the tile before. McClellan stated it looked like a booze bottle. Runge stated he thinks it says Des Moines on it, he blew it up on the computer. Granzow jokingly stated we know where it came from and where to send the bill to then.

Granzow stated as far as televising goes, we see one protruding place that needs to get fixed. Gallentine stated that was his biggest concern. Granzow stated that was the only thing we were concerned about in the upper part of the district. Gallentine stated that was correct. Runge stated there are three. Runge stated the one by the road looks like they used plastic couplers and it looks like the problem is in the reduced part of the coupler. Gallentine stated it looks like they used an internal coupler to make the connection and they cut the hole small enough that the internal coupler will go in but the ribs wont, so the only thing protruding is just a couple of inches of the internal coupler and that is it. Granzow asked if that was something we should go after. Gallentine stated it was in the road right of way, it is your call. Granzow stated he is leaving this up to the landowners. Vierkandt stated it did not bother him. Granzow stated if he was to be asked, he would leave it until it creates a problem, but he is asking the landowners because we are all here and we know it is there. Vierkandt stated that must have been when they put the steel underneath it. Runge stated it is in the steel, they drilled it and did a good job. Gallentine stated they did do a good job, but like he said he thinks they cut the hole big enough for the internal part and used the ribs as a shoulder, so it did not go too far. Gallentine stated it cannot be more than a couple of inches protruding. Runge stated he would be happy if they got the big one out, when you cannot get the camera past it you know it is in there quite a way. Vierkandt stated it can't be too much because it still bubbles out in his driveway which is downhill from that. Vierkandt stated it has not bothered much over the years otherwise it would boil out in his driveway. Granzow asked Jack which one he was talking about when he stated he would like to take care of the big one. Runge stated the big one he is worried about is the 262 part by the farm driveway. Vierkandt stated they would not care if they went in and fixed it now. Gallentine stated he would like to go and get it done because in the fall the contractors are busy. Runge stated that is true. Vierkandt stated it would not be a crop damage deal because it is not very far in. Granzow stated he would probably tie it to the rest of the project that we are going to talk about in a minute here. Gallentine stated, if the rest of the project moves forward he does not see a reason why it could not get done with everything else. Granzow asked if everyone is ok with doing that. Vierkandt stated he was. McClellan stated so everyone agrees on fixing just the one. Granzow stated and tying it to the rest of the project. Runge stated he has comments on the rest of the project. Granzow asked if we were ready to get to that part? Gallentine, Runge, Vierkandt stated they were ready to get to the next part of the discussion.

5. DD 14 WO 290 - Engineer's Report On Repairs Or Improvements To Main Tile & Engineer's Opinion Of Probable Construction Costs W Upsized Tile

Gallentine stated at the last meeting the landowners requested that CGA write up a report to see what a ½ inch and 1 inch coefficient would look like. Gallentine stated the lower 300 feet of this drainage district is at a pretty flat grade, the rest of it is at a pretty decent grade almost approaching 1% in spots. Gallentine stated since DD 123 had their improvement several years ago lowering the new main, we could hook into the new main to get a steeper grade in that 300 feet using 18inch tile to get a ½ inch coefficient. Gallentine stated we would go from the existing 15-inch tile to an 18-inch tile to get a ½ inch drainage coefficient for the 500 foot or the 2,900 feet. Gallentine stated a 1-inch coefficient would take us to a 24-inch tile. Granzow asked how much more money it was to go to a 1-inch coefficient vs a ½ inch coefficient. Gallentine stated that is what he is going to talk about next. Gallentine stated for the 500-foot option at a ½-inch coefficient they would be looking at \$74,387 a 1-inch coefficient would be \$81,262. Gallentine stated this is just what we see on local bid lettings this spring. Gallentine stated essentially to go from a 1/2 inch to a 1 inch it is only going to be an extra \$7,000 or 10%. Granzow asked Gallentine to stop right here for a moment. Granzow asked the landowners if we go this route would they like to look at the ½ inch or could he throw that out. Vierkandt stated he would throw it out. Granzow stated he heard Vierkandt. Granzow stated if the project moves forward you would double your coefficient for \$7,000. Gallentine stated for the 2,900-foot option it is pretty much the same story, if you go with the ½ inch coefficient you're a little over \$360,000 and if you go with a 1-inch you're right at about \$400,000. Granzow stated we can figure out which route we want to go from there he just wants to eliminate one or the other, so we are only talking about one size. Vierkandt stated he was for the 1-inch coefficient. Runge asked if the Trustees wanted his comments on the whole project right now or if they wanted him to wait until the end of the meeting. Granzow asked if Runge could wait until the end on the comments for the whole project. Granzow asked hypothetically if we were going to go with one or the other routes, which one would Runge like? Runge stated it would be crazy to do the ½ inch. Granzow stated that was all he wanted to hear. Granzow stated moving forward we could eliminate the ½ coefficient from the discussion. Gallentine stated by tweaking that size and especially that last 3-400 feet on that grade you can really get a consistent drainage coefficient throughout. Gallentine stated assuming DD 123 provides an adequate outlet, which he assumes it does, the last 3-400 feet is the bottleneck in the system. Runge stated DD 123 is also hooked into the old main. Gallentine stated if we lower that last 3-400 feet the old main is not going to flow anything until it gets to a certain waterflow. Vierkandt stated that is right, but there is a lot of compacity there. Gallentine stated that is correct.

Granzow asked Gallentine to explain why we were looking at this again before we move onto Runge's comments. Gallentine stated going back to the original report, we were looking at this because if he remembers correctly this is the district that has quite a few issues when it was installed brand new. Gallentine stated they found about 26 spots on the main tile when they televised that were starting to collapse downstream of D41 on the lower end. Gallentine stated they were originally looking at a repair 500-2,900 feet which would be the same size and design. Granzow stated with a little bit more money we could go with an improvement, correct. Gallentine stated that was correct. Gallentine stated right now the existing capacities in that lower 300 feet they only have 1/10 of an inch per day because of the flat grade. Once we get out of the flat grade the 15-inch gives you 3-4/10 per day. Gallentine stated the existing design other than that lower end is pushing 1/2-inch. Granzow stated now that he has the history, he would like to hear from Runge. Runge stated he feels for the cost it would do very little for him. Runge stated he understands the Trustees do not want to let things become a problem, but he talked to Cindy a couple of days ago. Runge stated apparently Cindy and Annette have had a discussion on all of this and he spoke with Annette the other day. Runge stated he got from the two girls that they would go the fix as fail route right now, especially Cindy being absolutely against it. Runge stated he spoke with Annette for about an hour the other day, we all know what her interest in all of this is but she calmed down a bit and is not pushing. Gallentine asked if Annette was a current landowner in the district. Runge stated she was not. Granzow stated he thought Annette and Cindy own it together. Runge stated it was Cindy's property with a life estate to Annette's two sons. Granzow stated that is how it is recorded on the paper, that is why Annette has the ability to call in a claim because her name is on their as an owner. Gallentine stated he did not know about that. Runge stated he did not think so. Vierkandt stated she would have ownership on the farmstead. Vierkandt stated she owns the farmstead, he knows that. Runge stated show me where her name is listed on any of this paperwork. Vierkandt stated maybe the farmstead is not in this drainage district. Runge stated he thinks the farmstead goes to the tile district that runs down through the waterway south of the house. Vierkandt stated that could be. Runge stated she called him because they are all friends. Granzow stated so they are on the fix and repair mode. Runge stated fix as fail. Granzow asked if anything has failed at this point. Gallentine stated nothing has failed, it is still flowing. Runge stated he has farmed that for quite a few years he thinks there is one up at the top end and one at the bottom end in all of the years he has farmed it. Gallentine stated there is no existing failures at this time, there is evidence that there will be future failures based off of the lower end. Granzow stated this report is good for 10 years. Gallentine stated Vierkandt asked him how many repairs have been done in the last 10 years, he was going to look that up for him real quick. Granzow stated so in the future if we were to do anything in this district, we are still looking at the 1-inch coefficient, correct? Runge stated that is correct. Gallentine stated it looks like there has been 8 repairs in the last 20 years and about 4-5 in the last 10. Vierkandt stated they are getting so expensive. Runge stated that is part of his point why he is against doing this right now. Runge stated the cost of fuel is inconsistent and there are surcharges on everything you do, he seen what we had to do with the other district how they had to re-hearing because the cost was totally inconsistent with what the first bid was. Granzow stated the fuel surcharge does scare him a little bit until they can control that, we are at an unknown. Gallentine stated he thinks that was about a 10% adjustment from the supplier if he remembers correctly. Runge stated that was right. Runge stated that is Cindy's position and his for right now.

Granzow asked Vierkandt he understands he wants to fix it, is he ok looking back at this in a year from now. Vierkandt stated he would go with that, but he is in favor of making a new 500 feet down there at the bottom from what he has heard here today. Vierkandt stated we have to do something someday. Vierkandt stated the biggest thing for him was that with 500 feet we can make a heck of a change. Gallentine stated that first 300 feet you could change from 1/10<sup>th</sup> inch per day to 1-inch per day if you install it at a steeper grade and go with a 24-inch tile. Vierkandt stated he would go with that. Vierkandt asked about the prices, if they are current bids. Gallentine stated these prices are not bids they are prices that CGA has seen on bid lettings earlier this year per foot. Vierkandt stated if they could hold that at the price listed, he can't see why we wouldn't want to do 500-feet to double our coefficient. Gallentine stated on the 300 feet you would have a 10-fold increase because it is

1/10<sup>th</sup> right now. Granzow asked Runge if he would be in favor of doing the bottom 3-500 feet. Runge stated he has 2 strong no's on his back. Vierkandt stated he can come up with 3 strong yes's his son, grandson, and George Ioeiger. Granzow stated at this point he is just trying for a compromise between the two people here. Vierkandt stated we have been sitting here for almost 100 years and have not done anything, we cannot just keep going. Gallentine asked if he could interject. Vierkandt stated that was fine. Gallentine stated the option we have is either 2,900 or 500, the flat portion is only 300. Gallentine asked what if we just replaced the flat portion whether it is 275 or 300 as an improvement and get prices. Gallentine stated maybe that is a middle ground. Gallentine stated you are getting the continuity of drainage coefficient but you're not doing any more than you have to. Granzow stated the other thing is, if we move forward on this, we do not have to accept the bids. Gallentine stated this is a low enough dollar amount that it will not be a huge formal bid process that we would have to go through either per code. Granzow asked if we were interested in looking at those numbers. Vierkandt stated he was, and he knows his son and grandson would be too. Granzow stated he knows Jack is a hard no, but if the numbers come in more than the estimated bid price then we do not have to talk about it again. Runge asked if 300 would get us to Sweeney's fence line. Gallentine stated he thinks it will be a little short, that was the whole purpose of going the 500 feet. Granzow asked if he heard 300. Gallentine stated that Jack wanted to know if 300 got would get them to Sweeney's fence line. Granzow asked if he was hearing that they would like to take the bottom 300 to bid so we can get a price on it. Vierkandt stated that is the way he would like it. Runge stated he would take it to price, but he is not saying he would support it he would have to make a phone call. Granzow stated if he went this far and the bid came in under the estimate it would probably be very advisable for us to move forward because the likelihood of anyone pricing it under the estimate is very low with the price of fuel. Granzow stated if it goes under the estimate, he would be in favor of moving forward. Vierkandt stated if they come in under the estimate, he is in favor of moving forward too. Vierkandt asked if most of the change was in the first 300. Gallentine stated that is what they're seeing where the flat spot is. Granzow stated this would create an improvement to the district. Gallentine stated that was correct. Granzow stated the other option is that we do not do anything. Granzow stated he just wants everyone on the same page if we do take this to bid that they know exactly what he is thinking. Runge stated he would like to be able to make the decision after they take it to bid, he is not ready to give his support. Runge stated he would like to discuss things with prices in hand. Granzow asked Vierkandt if he was ok with that. Vierkandt stated he was. Granzow stated ok, so when we get the prices from the bid, we will have a discussion to see if it moves forward or not. Runge stated he guesses since he is speaking for someone else, he would rather do that. Runge stated he was sent here with a clear mission today. Vierkandt stated he was too. Granzow stated his third option is to send each landowner a card and to go with a majority of whatever the vote is. Runge asked if that was a majority of the assessment or a majority of the landowners. Runge stated there is a big difference, if it will cost them \$1,000, he would do it in a heartbeat, but if it is going to cost a \$40,000 he is going to think twice and look at that. Granzow stated if he sent a card out it would be under the estimate so you would know that dollar amount or under. Granzow stated he does not know if he would like to go that route because he likes the presence of people. Granzow stated it is hard enough he is on the phone for this meeting. Runge stated he thinks that is best. Granzow stated we could table this and come back in another year or so, prices might be higher or lower. Granzow would like direction as to some type of compromise. Granzow stated he is getting that we are going to take the lower 300 foot out for bid and decide whether or not we like that dollar amount or not. Runge stated he can go with that as long as we have another decision point. Granzow stated if we are going to take it out for bid at that point, he would like all bidders to know that we may not take their bid even if it is low. Gallentine stated we've done that before. Gallentine stated what he is hoping for is to find someone that is short this summer and that can do it on a lien just to fill out a couple of weeks. Runge stated he has heard that projects are getting shut down as fuel and supply costs are spiking. Granzow stated he is ok with the project and our plans at this point. Runge asked if this would be a big plastic or concrete bid? Gallentine stated he usually bids them both and lets the market decide because they have both been fluctuating in price. Vierkandt stated he preferred concrete. Gallentine stated he can put that as the base bid and get an alternate for plastic. Gallentine stated some guys will only bid concrete like the Gehrke's others will only bid plastic because it goes in quicker. Runge asked if they are going to tie the projects on the top ends to this project? Gallentine stated he would make it part of the bid. Granzow stated if we do not go forward with the project we will do it as a repair later, either way it needs fixing. Granzow stated it just makes sense while they are there.

6. **Comments/Discussion**  
Granzow stated he has to thank everyone here for being patient with him today as he is joining in the meeting by phone.
7. **Close Public Hearing**  
Motion by McClellan to close the Public Hearing. Second by Granzow. All ayes. Motion carried.
8. **Possible Action**  
Motion by McClellan to instruct Gallentine to get bids for upsizing the lower 300 feet of tile to a one-inch coefficient and a repair on the upper end of the district, also to notify bidders that there is no guarantee that the project will move forward after bids are received. Second by Granzow. All ayes. Motion carried.
9. **Other Business**  
Granzow thanked the landowners for coming in. Gallentine stated he thinks it is great to have interested landowners. Granzow stated the more landowners that come in when bids are received the better off we are making a decision. McClellan stated if some people would be more comfortable on zoom we could definitely have that as an option too.
10. **Adjourn Meeting**  
Motion by McClellan to adjourn. Second by Granzow. All ayes. Motion carried.