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SURVEYOR'S OFFICE
Hamilton County

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June 12, 2015

To: Hamilton County Drainage Board

Re: Mathews & Underwood Drain

At the June 8th meeting of the Board several landowners in the Mathews & Underwood Drainage Shed approached the Board requesting work be performed on the drain. At that time the Board agreed to the work proposed and to allow Clinton County perform the work within Hamilton County to the Tipton County line. The Clinton County contractor shall dip sediment out of the flowline through Hamilton County and the Hamilton County contractor shall lower two existing crossings. This work is to be paid for out of the maintenance fund. Any shortfall in the fund is to be borrowed from the General Drain Improvement Fund (GDIF). This shall be reimbursed to GDIF from future maintenance fund collections.

At the same meeting the Board moved to set a hearing for the increase in maintenance assessment for the residential/agricultural rates. The new rate is proposed to be increased from \$2.50 per acre to \$5.00 per acre and the minimum increased from \$15.00 to \$35.00. This will increase the annual assessment from \$3,686.22 to \$7,146.98.

The Board has set this for hearing for July 27, 2015.

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

Mathews & Underwood Drain #1

Rate Increase Hearing: 07/27/15

Current rate is \$2.50/Ac, \$15.00/Minimum for Residential/Ag

Proposed rate is \$5.00/Ac, \$35.00 Minimum for Residential/Ag

Parcel	Owner	Desc	Rate	Ben	Current Asmt	Proposed Asmt	% of Total
01-01-05-00-00-007.000	Adair, Davie G & Rebecca L w/LE to Davie G Adair	S5 T20 R3 15.00Ac	Residential/Ag	15.00	\$37.50	\$75.00	1.05%
01-01-05-00-00-006.000	Adair, Davie Gene	S5 T20 R3 24.47Ac	Residential/Ag	24.47	\$61.18	\$122.36	1.71%
01-01-08-00-00-001.000	Barnett, Terry L & Susan B Lvg Trust	S8 T20 R3 39.50Ac	Residential/Ag	22.00	\$55.00	\$110.00	1.54%
01-01-07-00-00-006.000	Barnett, Terry L & Susan B Lvg Trust	S7 T20 R3 47.05Ac	Residential/Ag	27.05	\$67.64	\$135.26	1.89%
01-01-07-00-00-012.000	Beck Family Limited Partnership	S7 T20 R3 40.00Ac	Residential/Ag	20.00	\$50.00	\$100.00	1.40%
01-01-05-00-00-010.000	Beck Family Limited Partnership	S5 T20 R3 27.00Ac	Residential/Ag	27.00	\$67.50	\$135.00	1.89%
01-01-05-00-00-008.000	Beck Family Limited Partnership	S5 T20 R3 40.00Ac	Residential/Ag	40.00	\$100.00	\$200.00	2.80%
01-01-05-00-00-011.000	Beck Family Limited Partnership	S5 T20 R3 42.23Ac	Residential/Ag	41.00	\$102.50	\$205.00	2.87%
01-01-05-00-00-012.000	Beck Family Limited Partnership	S5 T20 R3 80.00Ac	Residential/Ag	50.00	\$125.00	\$250.00	3.50%
01-01-05-00-00-016.001	Boyer, Cam & Caroline	S5 T20 R3 20.00Ac	Residential/Ag	20.00	\$50.00	\$100.00	1.40%
01-01-06-00-00-012.000	Boyer, Craig & Cameron Boyer TC w/LE to Davie G Adair	S6 T20 R3 20.00Ac	Residential/Ag	20.00	\$50.00	\$100.00	1.40%
01-01-06-00-00-005.000	Boyer, Craig & Cameron Boyer TC w/LE to Davie G Adair	S6 T20 R3 37.60Ac	Residential/Ag	24.00	\$60.00	\$120.00	1.68%
01-01-06-00-00-006.000	Boyer, Craig & Cameron Boyer TC w/LE to Davie G Adair	S6 T20 R3 40.00Ac	Residential/Ag	40.00	\$100.00	\$200.00	2.80%
01-01-05-00-00-016.000	Boyer, Don W & Patty J 1/2 int & Cameron Boyer 1/2 int	S5 T20 R3 140.00Ac	Residential/Ag	115.00	\$287.50	\$575.00	8.05%
01-01-07-00-00-004.000	Cline, Michael L & Nancy E	S7 T20 R3 13.60Ac	Residential/Ag	11.40	\$28.50	\$57.00	0.80%
01-01-07-00-00-005.000	Cline, Michael L & Nancy E	S7 T20 R3 29.00Ac	Residential/Ag	29.00	\$72.50	\$145.00	2.03%
01-01-06-00-00-003.000	CSDS Properties LLC	S6 T20 R3 40.00Ac	Residential/Ag	17.00	\$42.50	\$85.00	1.19%
01-01-06-00-00-014.000	Emy, Nathan A & Paige N	S6 T20 R3 0.76Ac	Residential/Ag	0.76	\$15.00	\$35.00	0.49%
01-01-06-00-00-018.000	Five S Corporation	S6 T20 R3 32.16Ac	Residential/Ag	32.16	\$80.40	\$160.80	2.25%
01-01-06-00-00-017.000	Five S Corporation	S6 T20 R3 39.58Ac	Residential/Ag	39.58	\$98.96	\$197.90	2.77%
01-01-06-00-00-017.002	Five-S Corporation	S6 T20 R3 10.04Ac	Residential/Ag	10.04	\$25.10	\$50.20	0.70%
01-01-06-00-00-015.000	Five-S Corporation	S6 T20 R3 18.96Ac	Residential/Ag	18.96	\$47.40	\$94.80	1.33%
01-01-06-00-00-016.000	Five-S Corporation	S6 T20 R3 30.00Ac	Residential/Ag	30.00	\$75.00	\$150.00	2.10%
99-99-99-99-999.001	Hamilton County Highway Department	Jerkwater & 286th	Road	30.03	\$300.30	\$300.30	4.20%
01-01-07-00-00-006.001	Hammond, Leigh A & Gregory P	S7 T20 R3 3.95Ac	Residential/Ag	0.95	\$15.00	\$35.00	0.49%
01-01-06-00-00-007.101	J & W Farms LLC	S6 T20 R3 1.35Ac	Residential/Ag	1.35	\$15.00	\$35.00	0.49%
01-01-06-00-00-008.002	J & W Farms LLC	S6 T20 R3 4.18Ac	Residential/Ag	2.15	\$15.00	\$35.00	0.49%
01-01-06-00-00-009.000	J & W Farms LLC	S6 T20 R3 17.70Ac	Residential/Ag	17.17	\$42.94	\$85.86	1.20%
01-01-06-00-00-010.000	J & W Farms LLC	S6 T20 R3 21.05Ac	Residential/Ag	21.05	\$52.64	\$105.26	1.47%
01-01-06-00-00-011.000	J & W Farms LLC	S6 T20 R3 22.72Ac	Residential/Ag	22.72	\$56.80	\$113.60	1.59%
01-01-05-00-00-005.000	Kebel, Delores L	S5 T20 R3 10.00Ac	Residential/Ag	10.00	\$25.00	\$50.00	0.70%
01-01-05-00-00-009.000	Kebel, Delores L	S5 T20 R3 40.00Ac	Residential/Ag	40.00	\$100.00	\$200.00	2.80%
01-01-07-00-00-001.000	King, Jeffery	S7 T20 R3 40.00Ac	Residential/Ag	40.00	\$100.00	\$200.00	2.80%
01-01-07-00-00-013.000	King, Jeffery	S7 T20 R3 40.03Ac	Residential/Ag	40.03	\$100.08	\$200.16	2.80%
01-01-07-00-00-010.000	Lindenmayer, Sally Stahl	S7 T20 R3 79.43Ac	Residential/Ag	6.00	\$15.00	\$35.00	0.49%
01-01-07-00-00-003.000	Mundy, Dennis A	S7 T20 R3 38.49Ac	Residential/Ag	36.99	\$92.48	\$184.96	2.59%
01-01-07-00-00-002.000	Mundy, Dennis A	S7 T20 R3 77.51Ac	Residential/Ag	77.51	\$193.78	\$387.56	5.42%
01-01-05-00-00-004.000	Nehrig, Ronald S & Lisa J	S5 T20 R3 1.36Ac	Residential/Ag	1.36	\$15.00	\$35.00	0.49%
01-01-05-00-00-004.001	Phillips, Joseph E & Laura J	S5 T20 R3 0.64Ac	Residential/Ag	0.64	\$15.00	\$35.00	0.49%

Parcel	Owner	Desc	Rate	Ben	Current Asmt	Proposed Asmt	% of Total
01-01-06-00-00-001.001	Pitzer, Family Trust	S6 T20 R3 15.00Ac	Residential/Ag	11.50	\$28.76	\$57.50	0.80%
01-01-06-00-00-001.000	Pitzer, Family Trust	S6 T20 R3 35.00Ac	Residential/Ag	22.50	\$56.26	\$112.50	1.57%
01-01-06-00-00-013.000	Prater, Terese Diane & Ronald Dean Jr	S6 T20 R3 29.30Ac	Residential/Ag	29.30	\$73.26	\$146.50	2.05%
01-01-06-00-00-009.001	Ridge, Caley S & Jarred M Hall jrs	S6 T20 R3 3.00Ac	Residential/Ag	0.60	\$15.00	\$35.00	0.49%
01-01-05-00-00-013.000	Rockey, John F & Jane A Kleinhans t/c	S5 T20 R3 80.00Ac	Residential/Ag	1.00	\$15.00	\$35.00	0.49%
01-01-06-00-00-008.001	Ruden, John R & Kelley J	S6 T20 R3 4.00Ac	Residential/Ag	2.00	\$15.00	\$35.00	0.49%
01-01-06-00-00-015.001	Runion, Robert L & Jennifer V	S6 T20 R3 1.04Ac	Residential/Ag	1.04	\$15.00	\$35.00	0.49%
01-01-05-00-00-002.000	Sample, Charles	S5 T20 R3 2.00Ac	Residential/Ag	2.00	\$15.00	\$35.00	0.49%
01-01-05-00-00-001.000	Sample, Sherman A & Carol L	S5 T20 R3 2.78Ac	Residential/Ag	2.78	\$15.00	\$35.00	0.49%
01-01-05-00-00-003.000	Sample, Sherman A & Carol L	S5 T20 R3 12.60Ac	Residential/Ag	12.60	\$31.50	\$63.00	0.88%
01-01-07-00-00-004.001	Shuck, Phyllis & Michael Cline TR of Ralph Shuck Testamentary	S7 T20 R3 26.29Ac	Residential/Ag	23.60	\$59.00	\$118.00	1.65%
01-01-06-00-00-011.001	Stewart, Roger W & Nancy S	S6 T20 R3 9.73Ac	Residential/Ag	9.73	\$24.34	\$48.66	0.68%
01-01-06-00-00-017.001	Stillman, Martin & Jesse L	S6 T20 R3 1.10Ac	Residential/Ag	1.10	\$15.00	\$35.00	0.49%
01-01-06-00-00-020.000	Stouder, Gary S & Joy E Trustees	S6 T20 R3 17.60Ac	Residential/Ag	17.60	\$44.00	\$88.00	1.23%
01-01-06-00-00-004.000	Stouder, Gary S & Joy E Trustees	S6 T20 R3 18.84Ac	Residential/Ag	18.84	\$47.10	\$94.20	1.32%
01-01-06-00-00-019.000	Stouder, Gary S & Joy E Trustees	S6 T20 R3 29.52Ac	Residential/Ag	29.52	\$73.80	\$147.60	2.07%
01-01-06-00-00-021.000	Stouder, Gary S & Joy E Trustees	S6 T20 R3 30.00Ac	Residential/Ag	30.00	\$75.00	\$150.00	2.10%
01-01-06-00-00-022.000	Tom & Carrie Boyer LLC	S6 T20 R3 80.00Ac	Residential/Ag	80.00	\$200.00	\$400.00	5.60%
01-01-07-00-00-002.001	Toomey, Charles & Jacquelyn E	S7 T20 R3 3.99Ac	Residential/Ag	3.99	\$15.00	\$35.00	0.49%
Parcels: 58				1322.07	\$3686.22	\$7146.98	100.0%

Mathews & Underwood Drain:

Mr. Wade Johnson, Mr. Michael Cline, Mr. Daniel Cline, Mr. Tom Boyer, Mr. Jim Stafford, Mr. Jordan Stafford, Mr. Scott Shoemaker, Mr. Dan Sheets, Mr. J. Stafford, Mr. Jeff _____, Mr. Bill Boyer, Mr. Mark Gradison and Mr. Jason Henderson were present for this item.

Cline, Tipton County Commissioner, stated that he sits on the Tipton County Drainage Board and is a landowner in Adams Township. In September of 2014 I approached the Surveyor about the Mathews & Underwood Drain needing to be dredged. The Surveyor sent me a petition for the reconstruction of that drain and I didn't sign that petition nor did I carry that petition. When I looked at the cost estimate on it I thought it was extremely high. The Surveyor and I have since talked about that a little bit and I don't know that we agree and maybe we never will agree on it, but there are also landowners in Clinton County that are impacted because this Underwood Drain needs to be cleaned. The Boyer Ditch in Clinton County drains into this Mathews & Underwood Drain, which drains into the Ray Cox Ditch in Tipton County and ends up in Big Cicero Creek. Hamilton County is the hold up on getting good drainage in Clinton County as well, but this ditch does need to be dipped, does need to be cleaned. Our request is and there are some other landowners here as well as Dan Sheets the Clinton County Surveyor is here at this meeting today. Our request is that we work together in some way jointly and do this through maintenance rather than a reconstruction just because of the cost of the work. Jason Henderson, the Tipton County Surveyor, gave me some of the most recent quotes we have from contractors on open ditches that we are dredging currently or just finished in Tipton County. There's a lot of difference in the estimated cost here. Doing a reconstruction versus cleaning a ditch so that is my concern and there may be other people that might speak to this. That's why we're here today and we would like for the Board to consider working with Clinton County on this in maybe some kind of a joint venture.

Heirbrandt asked when the last time the Mathews & Underwood Drain had been cleaned?

Cline stated he didn't know. I asked the Surveyor that the other day and he couldn't tell me so I suspect it's been a long time because there's a lot of sediment in this ditch. As a matter of fact the tiles, the majority of the tiles that dump into this open drain you can't find them so the outlets are covered. There's quite a bit of sediment in the drain. There was a new bridge put on Jerkwater Road in the last five years and when that bridge was put in place they took the dirt down to grade or I assume they did and you can see basically there's a shelf on both sides of that new bridge. I assume there's at least two feet or maybe three feet of sediment in this open drain.

Altman stated when you're talking about cleaning the drain you're just talking about removing the sediment.

Cline stated yes, not changing the channel, not doing anything just basically cleaning the sediment out, leveling the spoils, seeding on the ditch bank, replacing the outlet pipes that are bad.

The Surveyor stated that when this subject came up we've been talking about this for about two years.

Cline stated that he spoke with the Surveyor in September of 2014, but I think you and I have had a private conversation prior to that, yes.

The Surveyor stated along with Jason (Henderson) and Dan (Sheets) both. I had Christie (Kallio) put together a drainage plan, reconstruction plan, we have a cost estimate dated August of 2014.

Cline stated yes, \$199,583.00 for 9,946 feet of ditch.

The Surveyor stated right. Whenever we bid out a project it's always cross your fingers and hope you have more money in your estimate. We tend to estimate high.

Cline stated that the thing is, and you understand this too, I know you do because you're very experienced, but landowners are reluctant to sign onto something; that may be the estimate, but they don't know that this won't be the final cost. That's four or five times higher than what it would cost in Tipton or Clinton County.

The Surveyor stated that if he remembers right we were taking out about two feet of sediment down through there.

Cline stated that he thinks you have a better idea on this same drain than when Dan Sheets, if he comes to the podium he can give the Board a cost estimate because I think he has an estimate for Clinton County. Basically the ditch looks the same in Clinton County as it does in Hamilton County. The only place the ditch is not obstructed and needs nothing is the Ray Cox Ditch that it empties into in Tipton County which has been dredged in the last few years, less than ten. It's clean. We're in the process of replacing at the Tipton/Hamilton County Line on this open drain there's going to be a new bridge. That's already been approved by the Tipton County Commissioners. Altman asked if there was any precedent for allowing another county to run the entire project?

The Surveyor stated that this particular section of ditch is maintained by Hamilton County. Is Sheets going to be dredging his section also?

Cline stated that Dan is in the audience I'll let him speak to that. Heirbrandt is the president of the Big Cicero Creek Drainage Board, which I formally served on and we've got Boone County water going through this ditch, Clinton County water, Hamilton County water and then all these people are being assessed to the Big Cicero Creek project and they have had increase in assessments. They don't see any

benefit from it because if their water can't get there or it's very slow getting there they don't see the benefit of paying this increase on the Big Cicero Creek project.

Sheets stated that he first heard about this drain when he took office in 2011 and then I looked at it in 2012. We took bids for cleaning out our section of it on the upper end and our estimate for cleaning out the flowline is approximately \$7,000.00 and that's simply to run an excavator with a large dredge bucket on it to dip out the sediment down to original elevation, put it on the banks and spread the spoils out. We have one legal drain that connects to this and we did just perform maintenance on that and had a bid out on that tile. We had to do a pump around to do the repair because the outlet is under water. We were able to find the outlet and we inserted a balloon type ball into it and fill it with air, pump the drain out and then did our repair. Currently we have three road crossings. We have about three feet of water standing in them. There are probably other farm outlets on this drain we can't see, we don't know where they're at, but we assume they're under water because the land has wet spots in the field. We're prepared to clean out our side if you can get the Hamilton County side cleaned out. I have a letter from Jason Henderson stating his leg is already cleaned out and ready to go. We would like to see something done under maintenance just to dip out that flowline for right now and then maybe we could look at the future doing a full reconstruction on it. At our end we don't think a reconstruction is necessary. We have very few trees on that bank and the slopes are in very good condition. We don't have any erosion issues present, but we do have some concern with a couple of our county road culverts that are basically inundated at least 50% with water right now. We're just looking at maybe working out some way we can just do flowline maintenance. I understand the Surveyor, at the Big Cicero Board meeting a week or two ago, that he prefers a full reconstruction. I believe that is appropriate at some point, but right now our area is purely agricultural. I think we probably have five homes in the Mathews & Underwood Watershed. We do have \$27,000.00 available in our budget right now if we take out the clearing we would have another \$20,000.00 we could possibly contribute to a reconstruction at another point. Our landowners did just receive a little bit higher assessment from the Big Cicero Creek so we're looking at that also when we talk about the impact of financial situation.

The Surveyor asked Sheets if Clinton County would be willing to go half on the reconstruction?

Sheets stated that it's a possibility. We're cleaning ditch right now for approximately \$4.30 per foot is our average price just for the flowline clean out and we do add any outlets that we find and replace those. We have a standard rate which is \$200.00 we pay for labor and machinery to replace the outlet and we'll provide the pipe, whatever size that is, we would pick up that cost. We could possibly work out some kind of agreement to do that.

The Surveyor stated that he has a balance of \$18,000.00 right now.

Sheets stated that he thinks his landowners would be willing to participate in that. I do have the Drainage Board President from Clinton County here with me today.

Howard asked the Surveyor what the Mathews & Underwood Drain collects per year?

The Surveyor stated that the drain collects \$3,600.00 per year.

Howard stated that the assessment is how much?

The Surveyor stated that the per acre assessment is \$2.50.

Howard stated that's way too low. What's our standard agriculture assessment?

The Surveyor stated that it starts at \$3.00 and goes up; some of the assessments are at \$5.00 per acre. Truthfully something this size would be \$5.00 per acre anywhere else.

Altman stated that if you went to \$5.00 per acre your collections would go up to \$7,200.00 which is still not going to go very far.

Heirbrandt stated on a reconstruction you're going to be dredging this thing out anyway, is that correct?

The Surveyor stated what Clinton County is asking for is that it be dipped out with minimal bank work and just replacing pipes for tile outlets that need to be replaced. In looking at the budget that Kallio had put together she's replacing all of the tiles. She's got 24 pipes that she's replacing and lowering an existing 54" farm crossing and also an 86" farm crossing.

Heirbrandt asked the Surveyor what she had for total cost?

The Surveyor stated \$199,583.00. The farm crossings you'd still have to replace or lower because if the farm crossings are higher than your ditch grades it's not going to help you.

Dillinger stated that was for reconstruction.

The Surveyor stated that there's minimal clearing. There's only .07 of an acre in clearing.

Howard stated if you just dip like they're talking about would you have to replace those two big crossings?

The Surveyor stated yes.

Howard stated because they would still be too high. If you go down two feet you're going to be above the flowline.

Dillinger asked if you do what Clinton County wants to do what's the cost?

The Surveyor stated that it's kind of unknown right now.

Heirbrandt asked Sheets what he estimates?

Sheets stated that he hasn't looked at the Hamilton County side of it, only the Clinton County side.

Dillinger asked how much it is on the Clinton County side?

Sheets stated around \$7,000.00 for the dip out, but our ditch is in very good condition other than we just have silt so we're simply removing silt from the flowline.

The Surveyor asked Sheets what Clinton County's length of ditch is?

Sheets stated that it's not very much, 8,000.00 foot range or less.

The Surveyor stated that Clinton County's part is close to Hamilton County's, we're 9,900 feet and we're at \$6.00 per foot.

Altman asked Sheets what he was per foot?

Sheets stated that Clinton County is currently doing maintenance at \$4.30 per foot.

Altman stated that she was wondering if we could have Clinton County contract out because they're getting better quotes apparently than we are.

Sheets stated that we do use some of the same contractors used on the Big Cicero as well.

Howard stated that you still have the problem of those two big crossings. How much is it to lower those? If you don't lower those you're going to slow down velocity and then it's just going to fill back up.

Sheets stated about \$15,000.00 for both of them. That could be a very important part. I don't know where they're located in relationship to Clinton County.

Heirbrandt asked what those farm crossings cost was each?

The Surveyor stated that the 54" farm crossing is \$8,000.00 because that was a replacement and the 86" was \$7,000.00, it was just lowering.

Sheets asked if Hamilton County requires landowner participation with your crossings at all if they were installed incorrectly where they could perhaps participate in the project for the crossing.

The Surveyor stated that what we normally do is include that with our reconstruction costs.

Heirbrandt asked what we could do minimum wise to work with our neighbors to get this thing working better right now?

Altman stated that she's trying to figure out; you've got crossings at \$15,000.00, if we get pricing like Sheets has we'd be around \$7,000.00 or \$8,000.00 on the dip, right? What's in our fund?

Heirbrandt stated \$18,053.00.

Altman stated we raise the maintenance on the drain to where it should be to \$5.00 per acre and make it up in a year or two if we do what they request, borrow from General Drain and get it done.

Heirbrandt stated he was in favor of that.

Howard asked if we want to have Hamilton County responsible for replacing those two crossings and then do an interlocal and let Clinton County bid out the other and put money into it of 'x' dollars?

Heirbrandt stated he was fine with it.

The Surveyor stated that or cost share with Clinton County and have one of our contractors do it.

Altman stated we're using the same contractors it sounds like. I would just as soon have somebody administer the run and do the run and we contribute 'x' dollars.

Heirbrandt stated there will be some cost benefits too, you're already mobilized there and knock it out. I'd be in favor of doing that.

Altman stated that the first step is we have to have a hearing on the rates on maintenance.

The Surveyor stated that the Board wants to lower the crossings using our contractor; I think that's what I heard.

Howard stated the two big crossings.

The Surveyor stated right and then have Clinton County's contractor do the dip.

Altman stated yes.

Altman made the motion to let Clinton County's contractor dip the Mathews & Underwood Drain with Hamilton County's contractor lowering the two farm crossings, seconded by Heirbrandt and approved unanimously.

Altman asked when the soonest we can have a hearing request on the Mathews & Underwood Drain?

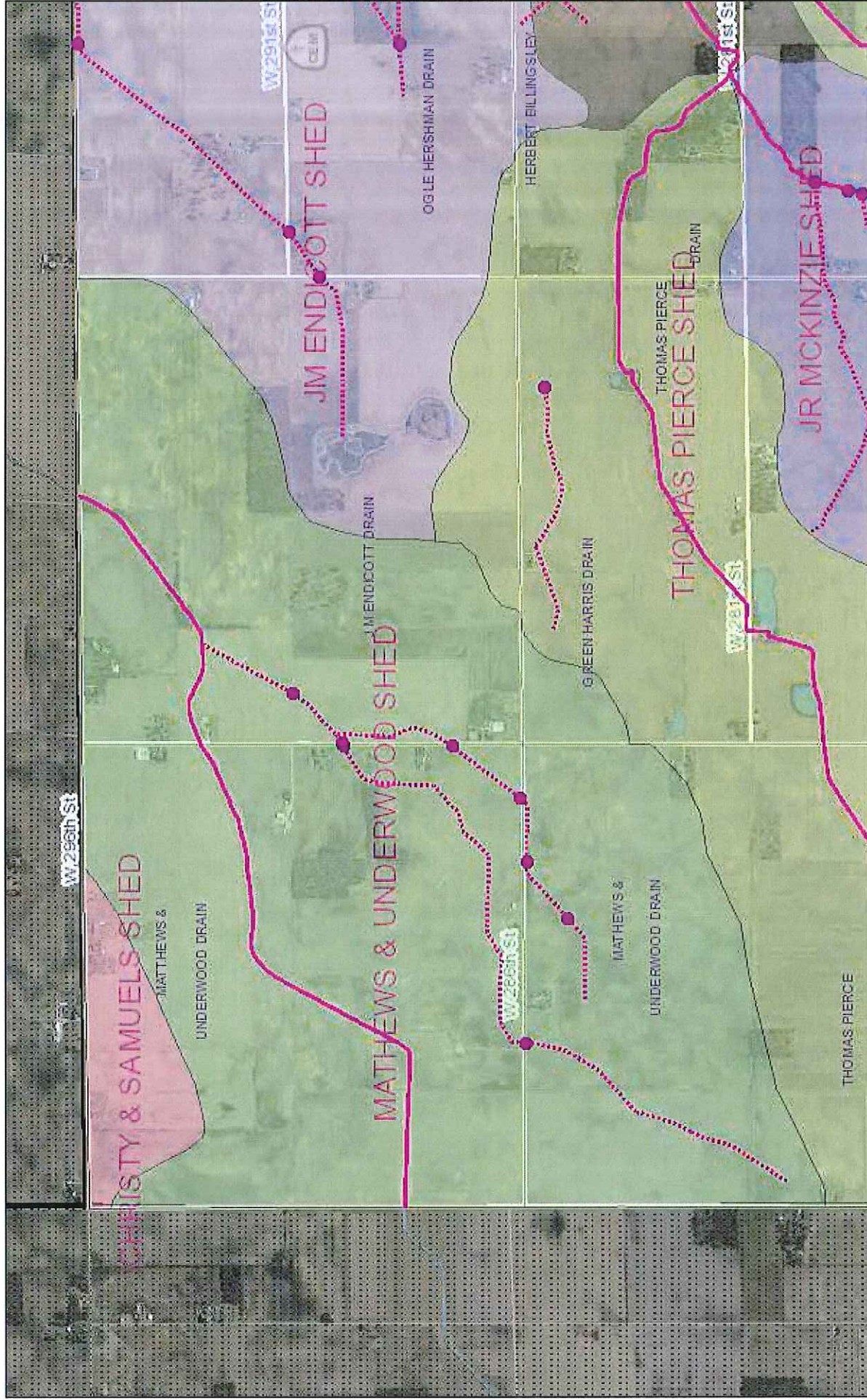
The Surveyor stated at the next meeting.

Altman stated she wants to make sure we're rolling on this thing. We'll set a date so we can get notices out.

The Surveyor asked if the Board wants to set the hearing for the 27th of July now? I can follow up at the next meeting with the report.

Altman made the motion to set the hearing for the Mathews & Underwood Drain for July 27, 2015, seconded by Heirbrandt and approved unanimously.

Mathews - Underwood Drain



June 8, 2015

- <all other values>
- ⊕ MUNICIPAL MANHOLE
- Regulated Drains Text
- CLOSED DRAIN