1	STATE OF MICHIGAN
2	OTTAWA COUNTY
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4	IN RE: NUMBER 52 DRAIN
5	BOARD OF DETERMINATION
6	
7	Proceedings commenced at 10:02 a.m., on Monday, August 3, 2020, via Zoom, held before Ms. Dawn M. Houghton,
8	Certified Shorthand Reporter, Michigan License CSR-3071, RPR, Illinois License 084.004881, and notary public.
9	
10	APPEARANCES:
11	Mr. Joe Bush, Ottawa County Water Resources Commissioner
12	Mr. Bill Cargo, Board Chairman
Mr. Ken Souter, Board Secretary  Mr. Rich VanderKlok, Board Member	<u>-</u>
14	Mr. Steve Koski, legal counsel Ms. Stacy Hissong, legal counsel
15	Mr. Dan Fredricks, Engineer, LRE Engineering
16	MI. Dan Flediicks, Engineer, Dke Engineering
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1	Via Zoom
2	Monday, August 3, 2020
3	10:02 a.m.
4	PROCEEDINGS
5	WATER RESOURCES COMM. JOE BUSH: Well, welcome
6	everyone. We appreciate you coming to join us via Zoom.
7	Usually these are live, but via Zoom today, so we do
8	appreciate you taking the time, excuse me, and to come and
9	learn and listen to what the process is all about for the
10	Drain Number 52 extension.
11	The reason we're here this morning is I received a
12	petition from the people within the drain district of Drain
13	52 which is currently the Noordeloos. People are like,
14	what's Drain 52? Currently it's called the Noordeloos Creek,
15	which I have no jurisdiction or responsibility to maintain,
16	clean out, remove trees. I don't have easements. Again, I
17	have no jurisdiction in that boundary.
18	So that's the reason why we're here. It was
19	received again, we received a petition, from signatures on
20	a petition further downstream, and this was to add a branch
21	of the 52. Drain 52 currently is up toward the Riley/112
22	corridor.
23	So that's and when we when I receive a
24	petition, by Drain Code, I have to have a public hearing, and

that's why you all got an invite to this morning's

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participation in our Zoom.

2.0

Currently, I just will talk about there is no project. We don't have any costs because we don't know exactly what we're doing. In order for me to touch anything or start the process by Drain Law, it's -- we got to have -- we've got to hold a Board of Determination, and we have to receive a petition in order to do that. So this is the legal process.

We have in the past removed a few woody debris piles or dams of trees, and the townships have kind of contributed to that cost to remove those, but technically I have no easements, and it's not part of a run-off course, nor is it under my jurisdiction.

So that's -- if you've seen us in the past go in there, that was for emergency work, and we can do that under the Drain Code under an emergency, but we've got to make sure we have property owners' permission, and the other part is who's paying for it, and the city of Zeeland and Holland Township have agreed to pay for some of that woody debris removal.

So some of you have seen us in there in the past, we have been in there, and -- but it's not like a routine maintenance or it's not under my jurisdiction. It's just for emergency purposes only, so I just want to make that clear.

That's not -- I've heard rumors of we're here

because we did the work. That's not why we're here. We're here because I received a petition and I have to act on that petition. So, and again, I appreciate everyone Zooming in to learn about this process.

2.0

So, with the Board of Determination, I have to appoint a three-panel board, and these three-panel board members have no affiliation or properties within this drain district or this particular township, so -- that this drain district is in.

But I picked three panel board -- these are not like Holland Township board members or Zeeland City Council members. These are three people that have great knowledge and experience in drain law, drainage, how this process works, public testimony, how public meetings run, and they hear both sides of the story.

We're here today to make sure that there's issues that maybe we don't know about, and this is your time to bring those up so we're aware of those. We do know there's a lot of trees in the drain. We know there's erosion issues. We know a lot of those issues exist today, and there's an engineer that will do an engineer's presentation.

Some people are asking about the, and I'm trying to get some of these questions out of the way, well, I don't know if I'm in the watershed, I'm not sure if I'm in the drain district, and he'll go through that on the preliminary

work. This is all preliminary just because I have to hold it, again based on Drain Code.

2.0

We do have legal counsel here today, and I'll do a

-- I'll do the Board of Determination members' introductions,
and then I'll go through who else is joining us today. But
as soon as I give the three gentlemen the oath who
participated in our -- or who I appointed to participate in
this public hearing, I'll give them the oath, they will run
the meeting, and they will -- you'll see by the agenda that's
posted, this is kind of how it goes. I give the oath, they
do the election of secretary and chairperson, and then the
rules for public comment.

My only comment is that the board that I appoint ask me questions, but otherwise, they run the -- they run the Board of Determination. This is a determination of necessity to be under my jurisdiction at some point. So that's what they do. That's their role and function of the board.

So I just wanted to get some of those early questions that I've been getting asked a lot out of the way. Again, we have no costs, we don't have a project, and we're here to basically hear what the public has to say about their situation, or maybe they feel like they're not in, and the engineer can always go out and reevaluate the district later after. But we would rather over-notice than under-notice. Because if we under-notice, then that becomes a bigger

problem. So we like to over-notice.

2.0

Maybe you're not in if you're on the boundary, but again, it's one of those safe measures that I would rather do it more than not enough, because then that becomes a problem later.

So again, I appreciate everybody's time. I'm going to do some presentations right -- or not presentations, introductions. And so I've got Steve Koski. This is all being recorded with Zoom, but we also have a court recorder, but Steve Koski is running the -- running the Zoom meeting. He's with our legal firm, Fahey Schultz.

And then you've got me, I'm Joe Bush, the Water

Resources Commissioner or the Drain Commissioner it used to

be called, but same -- same title, or same positions, just a

different title.

Then we have Stacy Hissong. She is also from Fahey Schultz. And then we have Dawn, and she is our court recorder, and everything is word for word. And she's going to try her best. Make sure to speak loudly. I know with the Zoom and technology, it can be difficult. At times, you don't hear everything, but -- and this is not required by law to have a court recorder, but I do it to protect you, the citizens, and us, just 5 years from now or 10 years, if we want to go back and read the minutes of our Zoom Board of Determination, then we can go back and reference a time, a

place, and what was said. That's definitely been helpful.

2.0

I've been doing this since I got elected. Every single Board of Determination is court recorded. It definitely solves a lot of problems down the road, and it definitely is helpful, even for the residents that maybe go back and read them. They're always on-line. It takes about four to six weeks or so to get those in our hands, and then we post them on our website at miottawa.org. Go under Water Resources Commissioner and then go under minutes and you'll see that Board of Determination.

So again, everything is court recorded, so when you do speak at public testimony, make sure you speak loudly, your name, address, and kind of go slow just so she can keep up, because sometimes technology, it goes faster than what, you know, than your mouth, just because -- or there could be a delay. So just help her out a little bit so she can pick up on it.

Then we have Bill Cargo, he's -- he's from Grand Haven Township. He is the manager over at Grand Haven Township. And then we have Ken Souter who is actually in our office, but he's on there. He's retired from the Ottawa County Road Commission. He was there 40 years in the engineering department. And then we have Rich VanderKlok, and he is from Georgetown Township. He's a board member over there.

So again, these three gentlemen have no affiliation 1 2 or properties within this drain district or do not sit on the 3 city council or Holland Township or -- or have a property 4 nearby. So those are our three panel boards. 5 And I don't know if the road commission is with us. 6 Usually they're on there with-- I don't see them. And then 7 also Dan Fredricks, he is with LRE Engineering, and he'll do the presentation. He's been out there. He's kind of been on 8 9 the -- on the ground. So, again, he can kind of go through 10 where we're at with the drain district and what he saw out 11 there when he took some pictures. And like I said, he'll 12 have a presentation later. 13 Steve, I don't see the road commission anywhere so 14 I'm not sure if they're joining us, but usually the road 15 commission joins us on these as well. But I'm going to go 16 ahead and give the three gentlemen the oath. Gentlemen, if 17 you'll please --18 ATTORNEY STACY HISSONG: Joe? 19 WATER RESOURCES COMM. JOE BUSH: Yeah. 2.0 ATTORNEY STACY HISSONG: Joe, before you do that --2.1 WATER RESOURCES COMM. JOE BUSH: 22 ATTORNEY STACY HISSONG: -- would it be okay if 23 Steve Koski kind of gives an overview --24 WATER RESOURCES COMM. JOE BUSH: Oh, yeah. 25 ATTORNEY STACY HISSONG: -- that's required about

the executive order? 1 2 WATER RESOURCES COMM. JOE BUSH: Yeah, that will be 3 fine. 4 ATTORNEY STACY HISSONG: Thank you. 5 WATER RESOURCES COMM. JOE BUSH: Yep. 6 ATTORNEY STEVE KOSKI: Okay. Just let me pull it 7 So just, again, welcome everybody this morning to 8 the Board of Determination meeting. The reason this is being 9 held electronically on Zoom is obviously everybody's dealing 10 with the COVID-19 issues, and this is just another -- another 11 result of that. So there's the Governor of Michigan's 12 executive orders and applicable Federal and state agency 13 recommendations related to the public health emergency. 14 We will make every effort to ensure full 15 participation and transparency for those in attendance, and 16 as Joe mentioned, this is being recorded on here, so -- and 17 then we also do have a Court Reporter. 18 So if either the Court Reporter or myself thinks 19 something was not clear, we may ask you to -- to repeat what 2.0 you said or, you know, sometimes there's connection issues, 21 so if we do that, that's the reason why. We just want to 22 make sure that everything is stated for the record. 23 With respect to those from the public that are in 24 attendance, we ask that you remain muted during the meeting,

and this is just because if too many people have their

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microphones on, there can be background noise and it can be hard for board members and other people to hear what's going on.

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So, you'll probably notice already that I -- I muted some people already as they came on, so it's obviously nothing personal, it's just the way we're -- the way we're trying to handle it so everybody can participate.

When -- there will be a period for public comments, and our recommendation to the board, whoever the chairperson is, will be for us to help facilitate that.

We -- you can indicate that, for members of the public, can indicate that they would like to participate by raising their hand, and there's an option to do that if you go to the participants' list on your computer, there is, at the bottom right, there is an option that says raise your hand, and so when you do that, there will be a hand, a small hand icon that appears next to your name, and so that will indicate to me that you would like to speak. So, then once we get to the public comment period, we will call people in the order that they raised their hand.

If you're calling in by telephone, you can also fully participate as well. The -- the option for raising your hand on your telephone is done by dialing star 9, and so if you dial star 9, it will show me next to your phone number that you would like to participate as well. And again, I

will call on people in that order.

2.0

There's also a chat function that is on here, and obviously that -- that's on the bottom as well on your computer screen, and so that -- the chat allows you just to speak with me, the host, and you can let me know in there if you're having any issues, but you can also use that to make a public comment if you would like. I can read that for you if you would prefer to do it that way.

I would just say that if you would like your comment read, you have to include your name and your address with that comment so that it can be entered for the record.

And for anybody else that is giving public comment, when I do call on you or the chair calls on you and says it's your time to speak, I will just ask that you give your name and address for the court recorder and for the record prior to giving your comments.

If you experience connection issues while you're on here, the -- for a computer, especially we recommend that you just leave the meeting and try to log back in. Sometimes that can solve a lot of issues, audio or video issues. And if you're unable to -- to reconnect by a computer, we would recommend that you use the -- a telephone and call in with the -- with the number that was on your notice.

For the board members, we will obviously pause the meeting if a board member loses their connection, and we will

wait for them to try to log back in. And if they are unable to reconnect on their computer, then we will have -- we will help them call into the meeting with their telephones so that they can participate.

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So at that point -- at this point, I will go over the participation steps again prior to -- prior to the -- to the public comment portion. So you don't have to try to remember everything I said, I will go over that again. So at this point, I'll turn it back over to the chair -- or to Joe, actually.

ATTORNEY STACY HISSONG: One -- a couple more things before that. So we have 68 participants so far. Steve and I have assisted drain commissioners with probably three dozen of these so far, I think, this year, since the executive order has been in place.

Our recommendation to the board as to public comment is that we assist the board chair with the public comment. We have one person right now, Sondra, who has her hand open -- or hand raised. When people raise their hands, it automatically puts them in the order they raised their hands for speaking purposes, so if we are assisting the board with that, we will put a timer up for whatever length of time the board sets for the speaking time, and then we -- so we recommend that the process that Steve Koski went through be the process for public comment, and also that -- that

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everyone be allowed to speak once before a person is allowed
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     to speak for a second time during the public comment.
 3
    you.
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               WATER RESOURCES COMM. JOE BUSH: Are you good,
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     Steve?
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               ATTORNEY STEVE KOSKI: Yep. Okay. I think we're
 7
    all set.
               WATER RESOURCES COMM. JOE BUSH: All right. We'll
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9
    go ahead and get going. I know people are busy and -- and we
10
    can forward this meeting. Gentlemen, please rise and raise
11
    your right hand.
               BOARD MEMBER RICH VANDERKLOK: Shall I stay seated
12
13
     since I will rise on the picture?
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               WATER RESOURCES COMM. JOE BUSH: Yeah, that's fine.
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               BOARD MEMBER RICH VANDERKLOK: Okay.
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               WATER RESOURCES COMM. JOE BUSH: All right.
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     then, gentlemen, I'll go ahead and give you the oath now.
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               Do you each solemnly swear that you will faithfully
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    perform and discharge the duties imposed upon you as required
2.0
    by law as members of the Board of Determination appointed by
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     the Ottawa County Water Resources Commissioner to determine
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     the necessity for maintenance and improvement of the Number
23
     52 drain located in the city of Holland, city of Zeeland,
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    Holland Charter Township and Zeeland Charter Township in said
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    county? Gentleman, what do you say?
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1	MEMBERS OF BOARD OF DETERMINATION: I shall. We
2	do.
3	WATER RESOURCES COMM. JOE BUSH: Thank you.
4	BOARD MEMBER BILL CARGO: The first thing we need
5	to do is we need to elect a chair and then we need to elect a
6	secretary. Is there a motion to elect the chair?
7	BOARD MEMBER RICH VANDERKLOK: I would make the
8	motion to elect Bill Cargo as chair.
9	BOARD MEMBER KEN SOUTER: I'll second that motion.
10	BOARD MEMBER BILL CARGO: We have a motion by Rich,
11	supported by Ken, to elect Cargo as a chair of this Board of
12	Determination. All in favor say, "aye."
13	MEMBERS OF BOARD OF DETERMINATION: Aye.
14	BOARD CHAIRPERSON BILL CARGO: And that passes
15	unanimously. Next I will make a motion to elect Ken Souter
16	as the secretary. Do I have support?
17	BOARD MEMBER RICH VANDERKLOK: I will support that
18	motion.
19	BOARD CHAIRPERSON BILL CARGO: Okay. We have
20	support from Rich. Motion by Bill, supported by Rich to
21	elect Ken as secretary, all in favor, say "aye."
22	MEMBERS OF BOARD OF DETERMINATION: Aye.
23	BOARD CHAIRPERSON BILL CARGO: And that also passes
24	unanimously. At this stage, and I need to see the agenda,
25	there it is, we also talk at this stage about the role and

function of the Board of Determination. I think we've 1 2 already done that with the drain commissioner talking about 3 that, or excuse me, the Water Resources Commissioner. 4 Joe, was there anything you would like to add 5 talking about the role and function of the board, or is there 6 anything that your attorney would like to add to that? 7 WATER RESOURCES COMM. JOE BUSH: I'm good on my 8 end. 9 ATTORNEY STACY HISSONG: Yeah, so --10 BOARD MEMBER RICH VANDERKLOK: Mr. Chairman, do we 11 need to do -- say any more about the rules of public comment 12 or did Steve already cover that? 13 BOARD CHAIRPERSON BILL CARGO: Nope, he did. 14 I am also going to make a motion that we limit 15 public comments to three minutes for public participants. 16 We're doing this because you can summarize War and Peace in about three minutes, and so we're hoping that the 17 public, when they make comments, will summarize their 18 19 comments to what they see as important. So I will make a 2.0 motion to limit public comments to three minutes. Do I have 21 support for that motion? 22 BOARD SECRETARY KEN SOUTER: I'll second it. 23 BOARD CHAIRPERSON BILL CARGO: Okay, there's a 24 motion by Bill, supported by Ken, to limit public comments to 25 three minutes for public participants. All in favor, say

"aye."

2.0

MEMBERS OF BOARD OF DETERMINATION: Aye.

BOARD CHAIRPERSON BILL CARGO: And that again passes unanimously. Then I'll go back. Stacy, is there anything you would like to add to the role and function of the board that hasn't already been stated?

ATTORNEY STACY HISSONG: No, I think just to very, very quickly summarize is that the purpose of the meeting is to determine whether maintenance and improvement of the Number 52 drain is necessary, and so the comments from the public should be as to whether an improvement project is necessary or not to assist the board in making the decision.

So, the Number 52 drain has been in existence with the special assessment district since 1896, and so one of the items that can be performed under maintenance and improvement is an extension of the drain.

There's an already existing water course that isn't established as part of the Number 52 that doesn't allow the drain office or the Water Resources office to automatically be able to do ongoing maintenance as it's needed, and so one of the requests in this maintenance and improvement petition is for that extension. That is what Joe was referring to earlier today.

So what's most important after the engineer's presentation when the public makes comment is to let the

board know, inform the board about each of the property 1 2 owners' drainage situation or experiences of what they've 3 witnessed as the people who are there in the area every day 4 to assist them in making their determination. 5 BOARD CHAIRPERSON BILL CARGO: I appreciate that. 6 What I'm going to ask now is that the engineer whose first 7 name is Dan? Dan, would you give a presentation about the 8 proposed drainage district and what you have found? And he's 9 muted. 10 ENGINEER DAN FREDRICKS: All right. Can everybody 11 hear me now? 12 MEMBERS OF BOARD OF DETERMINATION: Yes, we can. 13 ENGINEER DAN FREDRICKS: All right. My name is Dan 14 Fredricks. I'm with Land and Resource Engineering. And we 15 did do a preliminary field reconnaissance to review some of 16 the complaints that we've heard from residents out there and 17 to get some photographic evidence to present to the board 18 some of the issues that people are reported. 19 I am going to share my screen. Can everybody see 2.0 that? 2.1 BOARD CHAIRPERSON BILL CARGO: Yes, we can see it. 22 ENGINEER DAN FREDRICKS: Okay. Great. We're going 23 to start off with a little -- just give you a little overview 24 here of the presentation, talk in a little bit more detail of

why we're here, do a brief drain overview, drain history,

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look at the areas of concerns, some of the drainage issues, and then we can go on to what happens next.

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So as Joe originally alluded to, the Ottawa County
Water Resources Commissioner's office received a petition
from 11 freeholders of land to make -- to maintain or improve
the Number 52 drain in accordance with Chapter 8 of the
Michigan Drain Code.

The real area of concern, I'll pull some maps here in a second, is actually just downstream or south of the Number 52 drain along what's currently Noordeloos Creek which, as Joe said, is a natural water course at this point. It does not have a county drain easement or jurisdiction over that, so the request was to extend the Number 52 downstream -- downstream through the Noordeloos Creek to specifically help to alleviate flooding in Sections 23 and 24 of Holland Township and Zeeland Township.

This area is around 104th between roughly James

Street to the north and then south towards -- past Business,

south of Business -- I-90 -- Business Route I-96.

So, the Michigan Drain Code mandates as part of the petition process that we must hold a Board of Determination. As Joe said, that's three disinterested gentlemen here that are become going to make the decision, based on public testimony, on whether the project is necessary and conducive to public health, welfare or convenience.

So, we're going to give our presentation here of just some of the things that we saw and then we're going to open up to public comment and get that testimony firsthand on whether or not the project is necessary.

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So, overview of the Number 52 drain, the establishment and process of the Number 52 goes back to 1893, and we think that it officially became a drain in 1896. It is a tributary to Noordeloos Creek.

This figure that we have here on the right side, can you guys see my little cursor, my little hand --

MEMBERS OF BOARD OF DETERMINATION: Yeah. Uh-huh.

ENGINEER DAN FREDRICKS: So, the dashed dotted line right here, that's the current drainage district off the Number 52 drain. That's essentially, in this case, the watershed, so any lands within this dotted drain -- dotted area are ultimately going to convey water into the Number 52 drain.

The Number 52 drain is this solid black line that starts here north of Greenly Street, goes primarily south, past Riley, and then goes kind of due east across 120 -- 112th to make its way into Noordeloos Creek. Noordeloos Creek is this kind of gray, meandering line over here.

So right now from drain district established point, this is the drainage -- this is the established drainage district, and what we're looking to do as part of this

project is actually establish an easement, and it meets the Noordeloos Creek going downstream or south of the Number 52 drain, an established county drain as well.

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There's, within the watershed, the Number 52 itself, it's a developing watershed I'll call it. It's agricultural lands that are being converted more into residential, so the upper watershed north of Greenly still has a lot of agricultural lands, and then when you start getting into south of Greenly, you get more residential developments that have been occurring over the last 30 years or so. But again, what we're really looking at here is extending this drain.

So, now you can see this -- kind of the shape of the drainage district here right comes just south of Quincy Street and then connecting into the Noordeloos Creek just east of 112th and south of Riley Street.

So, on this next slide, all this -- this area up here that I'm kind of circling around in the upper left corner, the northwest corner of the district, this is all what is right now the Number 52 drain, and then this yellow area is associated Number 52 drain drainage district.

And if the petition were to be found necessary, the idea would be to go through Noordeloos Creek and extend the drain all the way down to the Macatawa River or the -- that's also known as the Black Creek of Zeeland drain so that

maintenance can be performed along Noordeloos Creek so that it provides an adequate outlet for not only the Number 52 drain, but various city storm sewers, natural water courses, and established county drains such as you've got the Cedar Creek drain here north of Business Route 1-96, kind of on the eastern side of this notice -- notice area.

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You've got the Number 4 and Number 43 drain which goes to the southeast past I-96, I-196. Then you've got the Number 3 drain which is kind of south of the Number 52 and picks up some of this 112th and James Street area.

So, what we did for notifications purposes, knowing that this is a petition for the Number 52 drain but the area of impact is going to be a lot larger, we -- we sent out a lot larger noticing area. So all this area you see in yellow is what is the noticing area.

We're not going to make a determination today of what the actual drainage district is going to be, but definitely people within this area would be impacted by, if you're living along Noordeloos Creek, there may be a request for an easement as the drain is established, work may be occurring along -- along Noordeloos Creek near your property, so we wanted to make sure that we were notifying the proper people to be at this meeting as this petition could include not only improving the Number 52 drain, but extending it or adding a branch to the Number 52 drain down what is now known

as the Noordeloos Creek.

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So, as far as establishing what would be a new drainage district, that will -- that will happen later. If this is determined necessary, there will be another day of review where people can go in and see who's been added to the drainage district, who's been removed. In some areas, that's possible as well. But we're not going to make a decision of what the drainage district is today.

The drainage district, a lot of times, will follow the -- the watershed, the contributing drainage area that goes to the drain, but ultimately for the drain code, it's based on benefits derived. And in this case right here, we're looking at establishing Noordeloos Creek downstream or south of Number 52 drain, so all these -- and doing direct work in these areas to provide an adequate outlet for all the different city, storm sewer, the established existing drains that I talked about going to that area.

So, for noticing purposes, again, if you got a notice for this, it means that you may or may not be ultimately in the final drainage district, but we want to make you aware of the process, what's going on.

So, going back to the heart of the matter, why we're here today is drainage issues to discuss. Primarily what we're looking for is issues related to public health, convenience or welfare.

Within the watershed, as I talked about before, within this larger area within Holland Township and the city of Zeeland, there's been obviously in the last hundred years or so a significant amount of land use conversion or development.

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Any time you get a development from going to a forested state to agricultural, there's going to be changes to the amount of runoff and the drainage patterns, and then when you take that next step, going from agricultural lands to higher residential development or commercial development, increase imperviousness, you get more runoff into these streams such as Noordeloos Creek, it gets flash flood zones which means when you get a rainfall, the water spikes, it gets higher, it floods -- floods a larger area.

So, that's kind of one of the things that we're battling in general within this area. But specific points related to public health, welfare and convenience are -- we've seen roadway overtopping and flooding, so when you start getting flooded roads, we talk about impacts, difficulties for emergency access vehicles to be able to get to properties.

One of the main things that we can see out here and Joe alluded to is the amount of woody debris obstructions, specifically at the pinch points where we have rough bridges, bridge crossings and things like that, that's kind of your

natural hydraulic constriction, and when you get these trees falling into the drain and then log jams forming in these areas, it can really exacerbate flooding upstream in both areas.

2.0

And then the other thing that we're seeing which is in part due to the -- the changing hydrology of the watershed is increased amounts of bank erosion, which then creates additional sediment and attached nutrients, which get conveyed to the stream system, and then as sediment builds up in the stream system, that can create sediment bars which can obstruct flow and create further flooding as well.

So, this was mid-May. This was May 18th when we were out there. So the storm event in this case right here, these are photos from May 18th, but it started on May 17th at the highest -- highest rains -- or highest flood levels.

This is -- so this is after the water levels are receding but you still have flooding at 104th Avenue.

So, this first photograph is 104th Avenue, is onto the right. Alice Avenue is just to the left of that right there. Again, this is -- this is below the peak flow, but you can see that 104th Avenue is inundated and flooded with water.

As we look downstream of 104th Avenue to the right, you can see the whole -- you can't even make out where the exact channel is there. Again, you're getting a lot of

flooding in those areas.

2.0

Further, this is looking more upstream or east of 104th Avenue right here. Again, you can see flooding in close proximity. And this is, again, after the highest -- highest flood levels but when we were out there during the day after the biggest rain intensity, again flooding very close to properties within the Noordeloos Creek area.

This is a map right here from FEMA that shows the 100-year floodplain within this kind of area of concern within these Sections 22 and 23 of Holland Township.

So, one thing that you can know right here that I talked about before is you'll see that -- you can see the restrictions that we're going to end up talking about in a little more detail, but here's a railroad crossing to the north, you got Chicago Drive, you got 104th Avenue crossing, you've got I-90 -- 1-96 crossing, and then those are going to be the areas where if we start getting log jams, that can really exacerbate flood problems.

Now, some of these areas such as just upstream or to the east of 104th Avenue, there are areas near Alice Avenue and just east of 104th Avenue where, you know, these areas are constructed very close to the 100-year floodplain, or within the 100-year floodplain, so back yard flooding like we're seeing right there is going to happen, but what we want to do is make sure that we're taking all measures to reduce

the amount of flooding and potential flooding as much as possible.

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So, we talked about woody debris. We're going to say that there's -- there's bad obstructions and there's good obstructions. This photo on the left, this is the railroad bridge just north of Chicago Drive, so right where I've got my hand kind of scrolling around here. You can see log jams. This is just a prone -- prone area, or because it has two different bays in here and this little center pier, it's going to -- it's going to be prone to collecting woody debris and log jams.

And obviously, as you can see, if you start stacking up logs that are restricting the culvert capacity by maybe half, and we already know that these areas are prone to flooding, any woody debris on top of that is only going to exacerbate these -- these -- these areas. So when we have critical infrastructure such as roads, streams, crossings, we want to make sure that we're removing log jams from those areas.

A minor amount of imbedded woody debris in the banks or so long as it's not obstructing flow, that's good because that does add complexity and improves habitat within the stream system, but it's really when it becomes a potential interference with flooding where it becomes an issue that we need to take care of.

Here's going further, so starting kind of up here by Chicago Drive and then moving down, further downstream, this is along 10600 Paw Paw Drive. It's on the -- near the Vollink property. And this is kind of representative of a lot of Noordeloos Creek. You'll see erosion, downed trees, a tree falls down, that diverts flows, creates additional erosion. You also see sedimentation, bar buildup, erosions going on in through there. Again, once you start getting a few of these log jams and it builds up, it can really exacerbate the flooding problems within the area.

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This is going further downstream within the Paw Paw Park area, again another here, it's just a pedestrian crossing, but you can see again prone to woody debris buildup in there as well.

This is actually along the Number 52 drain itself, so this is woody debris and vegetation to -- to a smaller level, but even within that, the Number 52 drain itself, it could definitely stand to have some tree management and vegetation removal just to make sure that the flow is being optimized and hydraulic capacity of that is being optimized as much as possible.

You can kind of just see right here on this picture to the right, when you get some of this thicker vegetation growing within the channel, that that can really obstruct flow, the flow of water to drain storm events.

So erosion, that's another prevalent thing we're seeing along the drain in part because this is a developing watershed, and as you get flashier flows more frequently, nature is going to carve itself out a deeper channel.

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So you can -- on the picture to the left, you see basically typical bank erosion, and then on the right, this is generally what happens, you get the erosion, it starts carving itself out a wider area, but then you can see this big sediment load being deposited as well, and that can reduce the capacity of the stream channel and exacerbate flooding problems.

Here, again, we're looking at more areas. These are a couple of photos near people's back yards. In addition to excess sediment to the channel, you also have land loss of people's properties. That becomes especially concerning if you have a house that's very near to the drain that could be potentially impacted by this erosion. But again, these are just a few examples of some of the bank erosion that we're seeing along the drain itself.

So that's a brief overview of -- of some of the things we've seen here. And just kind of going into what happens next, this is where we really want to open up the public testimony and hear your concerns along the drain, and then ultimately we're going to leave it up to the Board of Determination to decide whether or not the petition is

necessary.

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If the board finds the petition is not necessary, then the projects ceases immediately, no additional action is taken, and a petition cannot be heard along the Number 52 drain for another 12 months.

If the Board of Determination finds that the petition is necessary, then we will proceed -- proceed with a project scope. As Joe alluded to in the beginning, we don't know what that scope would be. We have not done any real intense engineering study at this time, no topographic survey. Again, we're not going to get the cart way before the horse and spend a lot of money if this project is determined not necessary.

Ultimately, we want to hear from the people to make that decision on whether they feel the project is necessary or not. But if the project is determined necessary, we complete that engineering design, we do additional topographic surveys, we'd meet with property owners who are having concerns out there, really identify these problems areas, and then evaluate alternatives to most cost effectively address these issues.

If we do extend the drain down Noordeloos Creek, we're going to have to get easements along every bit of Noordeloos Creek that we establish as the county drain.

We'll have to get permits from the Department of

Environmental Quality Great Lakes and Energy, known as EGLE, 1 2 to do any work within Noordeloos Creek since it is currently 3 a natural stream system. 4 And then once we have a project design, all 5 easements and permits in place, we'll actually then bid a project out to qualified contractors, and the lowest 6 7 qualified contractor, lowest priced bid that we receive would be awarded the project. 8 9 At that point, we would go and hold a day of review 10 which is when we'll have all the actual costs determined, 11 we'll have that drainage district established at that point, 12 and you'll be re-notified again as to what your -- your 13 assessment will be, and then you'll have the ability to 14 appeal that as well at that time. 15 And then once we get through this whole process, if 16 the petition is found necessary, we'll actually construct a 17 project. So there is quite a few steps we've got to get 18 through after today before we can implement any actual work. 19 So, with that, I'd like to open up to any questions 2.0 the board may have, or the public will be here, so thank you. 21 BOARD CHAIRPERSON BILL CARGO: Appreciate that. 22 First, I'm going to turn it over to ask Rich, do you have any 23 questions of the engineer? 24 BOARD MEMBER RICH VANDERKLOK: No, I do not. 25 BOARD CHAIRPERSON BILL CARGO: Ken, do you have any

questions of the engineer at this stage?

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BOARD SECRETARY KEN SOUTER: At this moment, I do not.

BOARD CHAIRPERSON BILL CARGO: Okay. Dan, I do have a few questions. First, did I understand that this proposed Noordeloos Creek drain or the -- I guess it's going to be called the Number 52 drain if it is determined to be necessary, does it exist between different county drains?

Does it empty into a county drain?

ENGINEER DAN FREDRICKS: Well, it does actually empty into the Macatawa River which at that part is established as the Black Creek of Zeeland drain.

BOARD CHAIRPERSON BILL CARGO: So is it unusual that you would have a segment where it is taking -- you have this Number 52 proposed drain, is it unusual that you would have this section of water course in between drains? You have drains north of it, you have drains south of it, but this little section is not part of the county drain, that seems unusual to me. Is that to you, based on your experience?

ENGINEER DAN FREDRICKS: Well, I mean given that Noordeloos Creek was a natural water course, not -- not necessarily. Again, you've got Number 52 drain and some of these other drains, like the Cedar Drain, since there was a natural water course there, especially if you go back to like

the 1890's they were putting in and trying to basically drain 1 2 lands to put in agricultural production, they're going to 3 take that land down to the natural water -- waterway, in this 4 case the stream at Noordeloos Creek and, you know, have that 5 at the outlet. 6 So, in this case, not necessarily. Usually you're 7 taking it because there is this natural outlet. 8 BOARD CHAIRPERSON BILL CARGO: Okay. I appreciate 9 that. Also, before we open it up for public comments, I will 10 have Steve make a presentation again about how the public may 11 comment. Is there anybody here from the city of Zeeland that 12 13 would like to make a comment? 14 MR. TIM KLUNDER: This is Tim Klunder from the city 15 of Zeeland. I have no comments at this time. BOARD CHAIRPERSON BILL CARGO: Okay. 16 And I'm going to do the same for Holland Charter Township. Is there 17 18 anybody from Holland Charter Township that would like to make 19 a comment? (No response.) 2.0 Okay. And then again, I'm going to also ask is 2.1 there anybody here from the Ottawa County Road Commission 22 that would like to make a comment? (No response.) 23 And hearing none, I'm going to turn this over to 2.4 Steve, would you review briefly again the -- how the 25 public could make public comments, say, in the time limits?

ATTORNEY STEVE KOSKI: Yes. Thank you, Mr. Chair. So again, the board decided on a three-minute public comment time period. So I will put up a three-minute timer. And that -- the time still will be the board's to enforce, so I won't do that, but I will be able to display for the board when the three minutes has been reached.

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In terms of participating, and some people are already doing it, there is the raise your hand option on here. That is the -- the best way to -- to give comment if you want to so that I can see that you would like to participate.

I will call on people in the order that they have their hands raised. And then at that point, I will look to the chat function as well. And the people, if they want to make a comment in the chat, and again some people have already, I just ask that you put your -- your name and address with your comment in the chat so that I can read that into the record and so that the court recorder can have that -- your information associated with that.

Again, for -- to raise your hand, for people on your computer, it is the raise your hand button that you'll find at the bottom right of the participant's list, when you open the participant's list. And for those of you calling in by phone, you dial star 9. And once you dial star 9, that will indicate that -- that you would like to participate.

So, at this point, I am going to bring up the timer we have here.

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BOARD CHAIRPERSON BILL CARGO: And while Steve does that, I will have Steve call the public participants in the order of which they have asked, and Steve, this is a reminder, when the public does make comments, I ask the public to again give your name and your address.

Steve, you can take it from here.

ATTORNEY STEVE KOSKI: Okay. Thank you. And I will also keep, Mr. Chair, I'll keep track of, to make sure that we have first-time commenters, and we'll go through the first -- the round of people, first-time comments, and then if people are indicating they have repeat comments, I will turn it over to the board to decide how you want to handle that.

Okay. So the first commenter is Sondra Kehrwecker. Sondra, if you could unmute yourself and introduce yourself, your name and address for the record?

MS. KAREN KEHRWECKER: Yes, my name is Karen
Kehrwecker. I'm on my daughter's computer. We live on
Franklin Street in Zeeland. I'm on the outskirts of your
boundary there for your drain, and I just want to say that we
do not have water and sewer with the city. We have our own
well, our own septic system.

And when Holland Township put the road through on

Franklin Street, there's a building across the street that 1 2 does have water and sewer, but when they put the road 3 through, they flanged it to my property, so I'm actually 4 dealing with my own water, the water from the drain. I don't 5 believe we go into the drain. 6 You only have three houses on Franklin Street, and 7 I wish when you look at the boundaries again you would exclude us as I don't feel we're part of it. The building on 8 9 the other side is, but we're not. So that's my only 10 question. Thank you. 11 BOARD CHAIRPERSON BILL CARGO: I appreciate that, and Dan, the engineer, will be making notes on this. 12 13 they do determine the more specific boundaries, they will --14 they will look your property. 15 MS. KAREN KEHRWECKER: I think sometimes it's 16 confusing being in the township but still being part of 17 Zeeland, and there's only the three houses on Franklin 18 Street. So thank you. 19 BOARD CHAIRPERSON BILL CARGO: Thank you. Steve, 2.0 next? 2.1 ATTORNEY STEVE KOSKI: Thank you. The next comment 22 is Kyle Mart. Kyle, could you please unmute yourself and say 23 your name and address for the record? 24 MR. KYLE MART: Hello, this is Kyle Mart. Can you 25 It says -- yeah, I'm from 104 -- I'm Okay. Yeah.

on Chicago Drive, and I guess my biggest concern about all of this is kind of the assessment. It just says that it's going to be determined at a later date, and that's kind of unnerving to me because I don't know what that's going to be.

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I mean, okay, so like we got this -- I got this -- this letter in the mail like a week ago when you guys had this thing, project all mapped out with all these different things, and you've been working on it for a while, but we -- at least me, I don't know about everybody else, but I just heard about this just a week ago, and I kind of want to know how much it's going to cost before we jump into it. I just think it's kind of premature.

I mean, just personally, being around town, I know that it's flooded in certain areas, but like the map looks pretty big for who -- who all is included. Like I can -- I look at -- I'm looking at the flood zones, a flood zone map for Zeeland and it's a completely different area, and I don't know, it's just kind of like it's -- I don't know. I feel like it's just a little bit soon to just go for this, just vote on something and then approve it, not knowing how much it's going to cost, because it seems like we just say, okay, it's a need, but I feel like cost is important, because, yeah, that's just my concerns. I don't -- I don't have anything like written out. If I had something prepared better, maybe it would be --

BOARD CHAIRPERSON BILL CARGO: I do appreciate -- I do appreciate your comments, Kyle. We are following state law, which the first step is to try to determine if there are problems, showing that there's a necessity for a project, before we spend public dollars trying to define the scope of the project and whether it does exist.

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Stacy, the attorney for the Ottawa County Water
Resources Commissioner, is there anything you would like to
add?

ATTORNEY STACY HISSONG: Yeah, so I think the chair explained it pretty well that the way the Drain Code is set up, and this is the process, often unpopular, because you are asking to comment on something where you don't know the amount of the project, but the process is set up so that we don't spend a lot of money on engineering before we move forward, because if we hear from people they aren't experiencing a problem, then -- then we don't want to engineer a proposed solution.

So we don't have information as to what the cost is yet because we really haven't done a lot. You heard from the engineer that he went out and did a -- basically a reconnaissance inspection. There's not really been engineering that would take place to find out how much it would cost, but that's the next step.

And Joe Bush, who's the Water Resources

Commissioner, has had -- has extensive experience in putting something to this -- like this together. So what -- why -- what will go into ensuring that it's affordable is working with the engineers and the permitting agencies to come up with the best solution to address people's problems, and then also working with the communities like the city of Zeeland and Holland Charter Township to ensure that it's affordable.

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In those situations, they do help with the cost, as does the county helps with significant amount of the cost.

And any time you have questions about it, Kyle, you can call the Water Resources Commissioner's office and they will be happy to provide information.

We just don't have a dollar amount for you today because one -- for two reasons. One, we haven't done the engineering to know that, and two, the commissioner likes to solicit input at these types of meetings in order to know who's experiencing problems.

So we may hear from you, boy, I have a problem at my property that we didn't know about, and so we want that information to help us develop a project scope if it is found necessary.

BOARD CHAIRPERSON BILL CARGO: The other thing I would note is just for the public that these are considered to be shared public burdens. This is something that everybody's water contributes or may be contributing to this

drain, and even though you may not have a problem because you live at the top of a hill, your water does flow downhill, that's engineering 101, and if there is an issue, then that would become a shared public burden, assuming there are problems and this is brought under the control of the county Water Resources Commissioner.

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Steve, if you would go to the next person, I would appreciate it.

ATTORNEY STEVE KOSKI: Yes, the next comment is from Chuck DeJonge. Chuck, if you could unmute yourself and state your name and address for the record?

MR. CHUCK DEJONGE: Yeah, I live at 590 Riverbank Circle, Zeeland. That's commonly known now as the Cottages at River Bend. It's the new condo development at the intersection of 104th and Paw Paw.

The back side of our property borders along

Noordeloos Creek from the Paw Paw foot bridge over to the

104th culvert north of Alice where some of those pictures

were taken. We have about a quarter to a half mile frontage

along that. And if you look at that map, I wish I'd gotten

sent that map instead of the one I got, it identifies that as

the Cedar Drain. The sign for Cedar Drain with the big blue

X, that's where we are.

Now, that is a 24-unit development, which there's going to be four more occupied by the end of October and the

six remaining ones will be finished up by the end of 2021, somewhere around there, so that's kind of where we're at.

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And what I'm curious about is a couple things.

Number 1, did the engineer do any kind of study or any work at all of what the impact is of that new culvert that's been put in on Business Loop 1-96. A lot of work going on down there, and that seems to be kind of a backup point. That was the complaint when they put the new culvert in at 104th, was okay, you fixed the 104th. Now you have to fix up Business Loop 1-96.

The other thing is that it sounds like from everything I've heard, that the city of Zeeland has been paying the drain commission already to take care of the Cedar Drain, and we certainly pay high enough taxes, we ought to get something, because we don't get much from the city.

So, I've gone there and talked with 10 to 14 neighbors here, and all 10 are agreeing we're not really in favor of this if it means our taxes are going to go up, because the Zoom people aren't going to give us any money back, we know that. So that's all I have to say about it. Thank you.

BOARD CHAIRPERSON BILL CARGO: I appreciate it.

One of the things, you did ask a specific question as to whether an engineering study has been done with regard to any of the public roads or highways in the area, and the answer

is no, they have not done that at this stage.

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At this stage, the Board of Determination is only determining whether there are problems that would require or recommend the involvement of the county Water Resources

Commissioner, so I just want to emphasize that the engineer did state that previously but we'll emphasize it once again.

Steve, the next person?

MR. CHUCK DEJONGE: From my --

BOARD CHAIRPERSON BILL CARGO: No, you're done.

10 Chuck, you're done now. Steve, would you move on?

ATTORNEY STEVE KOSKI: Yes, the next comment is from Christi Volink. Christi, if you could unmute yourself and state your name and address for the record, please?

MR. GARY VOLLINK: Hi, we are Christi and Gary Vollink. We live at 10600 Paw Paw Drive, which is south of 104th. You've seen our picture of our back yard up on the screen. At present, the bank is giving away and we are 22 feet from our garage, so we're kind of in a critical mode here what to do.

We had a dam removed this spring. The snow on the ground was on the bank yet and I had seen the bank. The dam was removed, and the water dropped about eight inches to a foot, which I appreciate that Joe did that for us, went into Holland Township to do that. So we've been there since '81 and we see that the creek moves all the time, but I have

never seen it this bad where our bank is giving away and we are getting very close to our garage.

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My question is to someone here, how long does this take, if it's approved, to go through this process. There's several steps and how long does that take and that's -- that's all I have to say.

BOARD CHAIRPERSON BILL CARGO: I'm going to ask the -- either Stacy, the attorney for the Water Resources

Commissioner, or Joe, the Water Resources Commissioner, to give a brief statement on the typical amount of time it takes to decide whether there should be a project and the apportionment process.

ATTORNEY STACY HISSONG: I'll give my stab at it, then I'll let Joe fill in. So that's an excellent question.

I'm going to give you a very lawyer-like answer. It depends.

So a decision about whether a project will take place basically is today. What that project is is going to take some time because a few things come into play.

One, the engineers are going to go out and do an actual survey, not just a site inspection but a survey, and then in order to establish something that's not established before as part of the county drain, two things have to happen, and this is the real time sucker, so to speak, and that's obtaining easements on either side of what we're going to establish, and then getting the EGLE permits to be able to

do the work.

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And so we'll be doing those things at the same time. We'll be working on both items at the same time. But depending on how long the easement acquisition takes and how long the permitting takes, that -- that will be the case.

We can't do any work until both of those items are in place, so I would -- I would estimate that it is not going to be in 2020. Best case scenario would be in 2021.

If we get all the easements and all the permits, then the next thing would be is we -- the engineers would be putting together a bid package for contractors. Once that happens, then we'll send out a public notice about the bid letting and the day of review.

So, as soon as that can happen, we will have that take place, but those are the two main factors are the easements and the permits.

WATER RESOURCES COMM. JOE BUSH: Okay. Thank you.

BOARD CHAIRPERSON BILL CARGO: Also I'd make a comment. Oftentimes when we have drain projects, people fear that we are talking about enclosed drains and that which can become very expensive, but because this is a natural water course, I would suspect that any project that was put into place would be more dealing with bank stabilization and removing trees and so forth from -- from the water course.

Typically, Dan, is that what you would see in this

type of a drain project if it is determined there is a 1 2 problem that needs to be addressed? ENGINEER DAN FREDRICKS: Yeah, yeah, you hit that 3 4 right on exactly. 5 BOARD CHAIRPERSON BILL CARGO: Okay. So I say that 6 to the members of the public who are fearful of the cost, 7 because those type of projects are quite a bit less expensive 8 than in trying to enclose an open course waterway, which 9 would be very expensive. 10 I'm going to move back to Steve. Steve, would you 11 bring up the next person for public comment? 12 ATTORNEY STEVE KOSKI: Yes, the next comment is 13 from the phone number ending in 6702. You are unmuted now, 14 so if you could introduce yourself, your name and address for 15 the record? 16 MR. HUGO SAUGER: Yes, Hugo Sauger (ph) in Royal I'm talking about further south on the drain, 17 Park Condos. 18 drain along 96 at Royal Park Condos, these (inaudible) and 19 enters into a retention pond which has developed into a 2.0 sludge pond with erosion, sediment. This pond has been 21 filled with foliage, growth, making less room for water. 22 May that be dredged and made into a pond again? 23 not, is it better to do so and ask for forgiveness after the 24 fact?

I think--

BOARD CHAIRPERSON BILL CARGO:

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the end of your comments or questions?

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MR. HUGO SAUGER: That's my comment/question, yes.

BOARD CHAIRPERSON BILL CARGO: Okay. I appreciate that. First of all, we don't know the scope of the project, so I can't answer in particular, but I will say for the record that when you're dealing with EGLE, asking for forgiveness before asking for permission is never going to be a very good strategy.

And EGLE, of course, is the state environmental agency. And I know that the -- Joe Bush, as a Water Resources Commissioner, is not going to do something without having permission from the State of Michigan. That would be very detrimental to his position and he's not going to put himself in that position.

Steve, who is your next comment?

ATTORNEY STEVE KOSKI: The next comment is from Kevin Lee. Kevin, if you could unmute yourself and state your name and address for the record?

MR. KEVIN LEE: Yeah, good morning, Kevin Lee, 10415 Springfield Circle. A couple thoughts on this. I'm really concerned about the cost of the project. I know just dealing with getting easements and all this research for the engineering side is pretty expensive so that we can move forward with this now, and you do all that research, we decide not to do it, there's still going to be that cost

associated with that.

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And I know in other districts in the south side with Steaders Borough, the south one, they had that same of thing, where they kind of did the research, and then even if you stop the project, you still have the cost of the engineering. So kind of concerned about that.

Also, for us in Steaders Borough, I have a drain in my back yard that's higher than my property line anyway, so I already have water that floods in my back yard and doesn't actually go into a drain that's near my property anyway, so I think that we should be excluded from this project.

I definitely sympathize with the people I saw pictures of the back yard. Some of those look like new developments, some of them look like they've been there for a while. I'm just really concerned about the cost and what the actual district will look like, how big the area will be. We're kind of near where you're talking but I don't -- I don't know if it necessarily will benefit my neighborhood. Thank you.

BOARD CHAIRPERSON BILL CARGO: I appreciate the comments. Steve, who is next on the comment list?

ATTORNEY STEVE KOSKI: So it looks like in terms of the participants, we have made it through the list, so now I will check the -- the chat, chat box and see what comments we have there.

Okay. So this comment is from Mike Conover,
C-o-n-o-v-e-r, and his address is 11296 Ruralview Drive in
Holland, and Mike says that he's concerned about the cost of
expanding the drainage district beyond what currently exists.
Our neighborhood has already paid significantly for projects
in our immediate neighborhood. Expansion of this district
sounds like a good amount of work with associated costs. Why
does this not qualify for the creation of a new district
rather than an expansion of the existing district?

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BOARD CHAIRPERSON BILL CARGO: I'm going to ask that that be -- question be answered by either Stacy and/or Joe. Who wants to take a stab at that?

and then Joe and Dan, correct me where I'm off. So the Number 52, basically we're dealing with the same water course, so if it was made a separate district, you'd have a group of people in two drainage districts instead of one, so it really didn't make sense to create a brand new one, and extensions are basically updating the current one makes the most sense.

And when we're looking at the drainage district, we're really looking at the watershed contribution area, so we felt that it was the most cost efficient way to do this, instead of having two significant number of properties be in two districts or more, depending, creating a second district

did not make sense.

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In terms of the cost, again, Dan -- Joe has lots of experience in this as the Water Resources Commissioner. Dan and I have done projects. I know he looks 20 and I look 25, but we've actually done this for a really long time.

And if easement acquisition, if we have people along the water course that are going to work with us, it does not -- don't equate that to being unreasonably expensive. So, you know, the costs will be what the costs will be, but we will work very hard to keep that under control to the extent possible.

Joe also has what I would say an excellent relationship with the county to assist in paying for the projects. Ottawa County is going to be a project partner in terms of paying for the project, as well as the two communities, and also the Michigan Department of Transportation in terms of taking a nice chunk of the project cost as well.

Dan or Joe?

BOARD CHAIRPERSON BILL CARGO: Also the Ottawa County Road Commission would pay a portion of it too.

ATTORNEY STACY HISSONG: Yes.

BOARD CHAIRPERSON BILL CARGO: Any project that is decided. Okay. Thank you. Steve, is there anybody else, any comments?

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ATTORNEY STEVE KOSKI: Yes, there's a few more here. So the next chat comment was from Linda Cole, C-o-l-e, and her address is 10420 Beachnut Lane, and Linda says, I would agree cost is the significant factor. I also believe that the water would only shift from one area and then flood in another area.

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If the excess water is put into the Black River, Black River will flood. Also, there doesn't seem to be an indication of protecting wildlife. We are retired, and having to pay more in taxes or assessments will be very difficult for us.

BOARD CHAIRPERSON BILL CARGO: I think that's a good comment. I would note that one of the things that the Drain Commissioner has to, excuse me, the Water Resources Commissioner has to take into account is the amount of water flowing through the drain and how quickly it is being released.

He may decide that there needs to be some sort of wetland created that will be able to hold some of this water. For instance, in Grand Haven Charter Township and Port Sheldon Township, he created a new drain called the Hiawatha Drain. And to control the flow through this drain so we didn't have a surge that would cause flooding downstream, he did create a wetlands, actually award winning wetlands, so he does have an environmental aspect to any project that's going

to be put into -- into play.

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Again, he has to find that balance between dealing with the problems that exist and also the environmental impact of any project that he creates, which is why he also works with the State of Michigan and EGLE.

Fair enough. Joe, anything else you want to add?

WATER RESOURCES COMM. JOE BUSH: Yeah, I just want
to talk about -- that's a good topic. There's a very
important issue, not just of flooding, and I hear that's all
we're talking about today, but when we look at a flooding
situation, we always take in consideration of, again, Bill,
as you noted, can we put wetlands upstream.

One of our other partners that we're going to be working with or a few other partners will be the MACC, so we work with Kelly Goward over at the Macatawa Area Coordinating Council, and we also work with David Nyitray and -- and his staff over at the Outdoor Discovery. There's a lot of money. This water ends up in Lake Macatawa, and there's a -- there's a lot of projects going on to clean up Lake Macatawa, and I will be partners with those folks as well moving into this situation. And they'll be involved. I get their input, and we also look at water quality is very important, fish habitat, the wildlife, what's in the creek. I know they monitor it. There's been -- Outdoor Discovery has done a project by Paw Paw bridge a few years back. There's some

other projects going up -- further upstream from Outdoor Discovery.

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So we will be partnering -- partnering with the MACC and Outdoor Discovery on making sure that any project we do will be -- have all those measures in it for like water quality, habitat, flooding, and then, yeah, even people who kayak it.

We want to make sure we try to clean it up. That's our end goal is not just for flooding but there's -- there's a bunch of moving parts when we do a project, and we'll make sure of that.

I just want to answer Mr. DeJonge's question earlier, that they are not replacing those bridges on Business Loop 1-96. They're just redoing the surface tops. So those are not new bridges, just FYI.

BOARD CHAIRPERSON BILL CARGO: The other thing I would note is Dan didn't really emphasize this but it's something that we understand is that the flooding issues, as pointed out, just don't harm private property, they also harm, when you talk about the scouring of the bank, it harms the ecosystem that exists there and makes it difficult for much of the natural wildlife that would exist to survive, so this has also an ecological or environmental aspect to it, in addition to the issues of flooding in personal property and public property.

Steve, do you have any other comments?

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ATTORNEY STEVE KOSKI: Yes, we have a few more hands raised now. The next one is Kevin Viening or Viening, if you could unmute yourself and state your name and address for the record?

MR. KEVIN VIENING: Yes, Kevin Viening, 2625 104th Avenue. I'm just north of James Street there, kind of the railroad tracks that you guys just talked about earlier. I definitely see the need for this project. We do have quite a few trees that get clogged up and cause the damage on the -- on the river there. Also have some erosion.

So my back yard has the Greystone subdivision and it's got the drainage, and it comes to a, I'll call it a peninsula point, and the erosion is beginning to cut away at that and will eventually go straight through that point, and the Greystone drainage will not have a creek to drain into anymore.

So a couple of questions that I have is what does the easement look like? So obviously I would have to grant an easement or you would have to get an easement from me to work on that. And second of all, 90 percent of the issue comes from downstream or from neighbor's properties where all the dead Ash trees that are dead, some are standing, some are down, and when the flooding happens, it takes those trees and it puts them right into the drainage ditch.

So how far does that cleanup go, does it just take care of the banks or does it go to where all those trees are still standing, does it clear those? I think those are a couple of the questions that I would have.

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BOARD CHAIRPERSON BILL CARGO: Kevin, we can't talk about the scope of the easement in terms of the width, but we can talk a little bit about what a typical easement contains in terms of the language.

Stacy, do you want to mention or talk about that briefly?

ATTORNEY STACY HISSONG: Sure. So, we have to have — the state law requires that we have to have a permanent easement, not a temporary easement on those properties because we're taking the drain in perpetuity, taking over jurisdiction, and basically it says a couple of things.

It says that we have the right to enter onto the property to perform the maintenance and improvement, to get our equipment on the property, and that we ask that you don't put any permanent structures within the easement area, because we can't have like somebody's garage in the way once we take the easement to work around.

There are instances, if you have plants, we can work with the property owner to put language in the agreement to carve a piece out if that's something that's planned, but basically it gives us the right to perform maintenance and

improvement activities on the drain easement.

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The width, we will work with the property owners. Some property owners want their trees cut, some property owners want their trees saved to the extent possible, and those will be conversations with the engineers.

BOARD CHAIRPERSON BILL CARGO: Thank you, Stacy. Steve back to you. Who is next on the list?

ATTORNEY STEVE KOSKI: Actually, Joe, did you have something to say?

WATER RESOURCES COMM. JOE BUSH: Well, I did. I just wanted to show -- to tell, Kevin, that one thing we try to do is take the trees to the top of the bank for sure, and then work with property owners to save the good trees if you have live trees, but I know there's a lot of dead Ash all along the water course.

But there is some nice trees in there, and I don't come in and clear both sides like it's going to be a landing strip for an airplane, so I do try to keep all the good trees, good vegetation, and then take the dead stuff that actually is in the creek itself, or on the banks, we don't remove the trunks typically. We try to keep them in for stabilizing the banks, but again cut them flush with the -- with the ground.

BOARD CHAIRPERSON BILL CARGO: Appreciate that, Joe.

WATER RESOURCES COMM. JOE BUSH: Okay.

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BOARD CHAIRPERSON BILL CARGO: Thank you. Steve, back to you.

ATTORNEY STEVE KOSKI: All right. The next comment is from Carolyn. Carolyn, if you could unmute yourself and state your name and address for the record, please?

MS. CAROLYN FUNCKES: I'm Carolyn Funckes. I live at 581 Alice Avenue. And we are on the creek. Our property does flood. And for many, many people who said, oh, this does not affect us, this does not affect us, most likely it doesn't, but that does not mean you do not affect us.

After it rains hard and we are flooded, we know that for the next several hours, the water will keep coming up. It's coming from the north, and it's -- I have seen farmers put drains in their fields, and I am assuming those drains go into this creek or drainage ditch or whatever you want to call it. Many subdivisions, many things go into this creek, and it does work its way down and it does affect us no matter where you are.

I know our neighbors across the street, they very often are not affected by the flooding in the creek at all, but they're affected by, whoever built this area, made a big hill behind several of the houses there, and as the rain comes down, this water washes down into their back yards.

And they are flooded all the time. Their basements are often

flooded all the time. 1 2 And no, the creek is not affecting them, but the 3 water from their neighbors are. Now, those neighbors are 4 fine, but they're affecting the other people. So just 5 because you are not affected by it does not mean you are not 6 affecting what's happening. 7 So, you know, I just -- that's my only comment. 8 Thank you. 9 BOARD CHAIRPERSON BILL CARGO: Carolyn makes a very 10 good point and that's what we talked about earlier about the 11 shared public burden. The fact if you have a new 12 development, if done well, hopefully you're not going to have 13 any flooding, but you increase the impervious area and you 14 increase the runoff or may increase the runoff into this --15 into this proposed drainage district. 16 Steve, do you have anybody else who would like to make comments or like to make suggestions? 17 ATTORNEY STEVE KOSKI: Next comment is from Harold 18 19 Harold, if you could unmute yourself and state your name Κ. 2.0 and address for the record, please? 21 Harold, if you go to the bottom? Oh, there you go. 22 MR. HAROLD KIMBEL: Are we good now? 23 ATTORNEY STEVE KOSKI: Yep, we can hear you. 24 MR. HAROLD KIMBEL: All right. Sorry about that. 25 Harold Kimbel, 10532 Paw Paw Drive. I'm one of the ones that

gets the major amount of water in his back yard. This has been needed to be done for a while now. Giving those -- my neighbor has ten foot of bank that's gone completely away.

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And I understand those that maybe aren't affected and have to pay, but it is a shared thing. And it also does affect the wildlife. We used to have salmon come up through there, and a lot of the blockage now, you don't have the salmon come up through there.

But I do appreciate you guys considering this and looking at it, and I just hope you put due diligence to it, and that's about all I had to say.

BOARD CHAIRPERSON BILL CARGO: Thank you very much. Steve, next?

ATTORNEY STEVE KOSKI: Next comment is from David, it says David 2014. If you could unmute yourself and state your name and address for the record?

MR. DAVID PYLE: This is David Pyle, 2650 Pebble

Court. I'm on the back of Greystone Estates, upriver from

the train trestle, and my question is to the engineer. He

had pictures of the bridge going under the train tracks, and

that acts as a restriction, and I -- I get that, but is there

anything that's going to be done with those restrictions,

that -- that bridge and then the bridge under Chicago Drive

to increase water flow going down the river?

And, I mean, to me, part of -- part of the problem

is the water backs up behind the -- the train trestle, and
I'm just wondering if that is going to be changed to improve
the -- improve the situation of the water flow. And if you
add another bridge under the train tracks, it's just going to
increase the rate of flow and might even make flooding worse.
Is that a reasonable assumption?

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BOARD CHAIRPERSON BILL CARGO: One of the things, I'm not going to have Dan answer that, because he can't. They have to do a study to determine what will be done, and you're asking the comments outside the scope of this public hearing.

And so I think you're asking good questions. The engineer will have to look at that at some point in the future, but he can't answer it now.

So, Steve, I will turn this back to you, then, and see if you have any other comments from the public.

ATTORNEY STEVE KOSKI: Thank you, Mr. Chair. I do have a few more in the chat. The next comment is from, let's see here, Dylana Eisaman, E-i-s-a-m-a-n, and her address is 1833 105th Avenue in Zeeland, and she says that, it seems like people are concerned with removing water quickly. I have witnessed plenty of flooding near Paw Paw foot bridge, but I would agree with other comments that additional wetlands would be more instrumental so that water can soak into the ground and be slowed down.

BOARD CHAIRPERSON BILL CARGO: Okay, Steve, next comment, then.

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Curtis Potter, P-o-t-t-e-r, and his address is 2722 Fairfield Drive, and he says, I live in the Fairfield Farms

Development. I believe that we have our own retention pond, and even during the flooding this past May, had some water in it but didn't even come close to reaching the level of exiting the pond. Therefore, I don't believe that the Fairfield Farms Development should be included in the expanded drainage district.

BOARD CHAIRPERSON BILL CARGO: I appreciate that comment. Steve, next?

ATTORNEY STEVE KOSKI: That is -- it appears that there are no other comments. Let's see here. Well, actually there's a chat from Peter Vollbrecht, V-o-l-l-b-r-e-c-h-t, at 1489 Hillridge Way, and he wants to know, is there an additional meeting after the engineering company has reviewed the process and a cost is known during which residents can comment and/or be a part of the decision or whether the process moves forward?

BOARD CHAIRPERSON BILL CARGO: I'm going to turn that over, question over to Stacy. Stacy, can you talk briefly about the other opportunities for the public to comment on this?

Obviously, the public doesn't get to make the decision. That is made by the Water Resources Commissioner who is an elected official and has to represent everybody, and so, but are there other times where the public can comment on any assessments or costs or anything like that?

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at any point that they want. The drain commissioner's office always takes calls about the status of -- of things, but the chair is correct, the drain commissioner ultimately makes the decision about what the project scope is going to be in consultation with the engineer and the project stakeholders.

For those people who are along the creek, we are definitely going to be in conversation with you because we need easements on your property. We'll be taking surveys on your property. You will be contacted if the decision is made to move forward with the project.

As for people not along the drain who are wondering about the status, there is not a planned meeting other than that day of review when we get the bid noticing out. You can -- you can witness the -- the bid opening if you'd like, but if you have questions or comments or concerns along the way, the drain office is available to take your call, and if it is necessary, we'll schedule a time with the engineer to talk about your specific concerns.

BOARD CHAIRPERSON BILL CARGO: Okay. Steve, is

there any other comments, then?

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ATTORNEY STEVE KOSKI: Mr. Chair, at this point, I do not see any other comments in either the -- that are looking to participate in chat or otherwise, so I believe we've gone through all of them.

BOARD CHAIRPERSON BILL CARGO: Well, Steve, you've done a good job of coordinating everything. Thank you very much.

At this stage, I'm going to close the public comment portion of this public hearing, and we're going to have a discussion among the board of review members, both Ken, myself, and Rich, and I'm going to start with Ken.

Do you have any comments, Ken, based on the public comments you've heard at this -- up to this point?

BOARD SECRETARY KEN SOUTER: The main thing that I see on this particular drain in looking at the situation where you have a big section of drain that is not under the drain commissioner's authority, he really has no way to get in there to fix it other than requesting permission from property owners. He doesn't have a way to fund it.

I basically would like to see this drain under his jurisdiction so that he can get the easements necessary, if there's a problem, get in there and fix it, so I'm in favor of this.

BOARD CHAIRPERSON BILL CARGO: Thank you. Rich, do

you have any comments that you'd like to make after hearing these comments from the public?

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BOARD MEMBER RICH VANDERKLOK: Based on the engineer's report and the comments that we heard, which I appreciate very much because that's very helpful to us in decision-making, I would be in favor of this proposal as well to -- in maintenance and improvement of the Number 52 drain, so I'm in support of it.

BOARD CHAIRPERSON BILL CARGO: I appreciate those comments. For myself, there is a couple things that have become clear to me from this public hearing.

First is that there are existing problems with this water course. There are problems with flooding, there are problems with bank stabilization and erosion, that this area is impacting both the downstream people, the upstream people, and impacting -- impacting the environment and the natural ecosystem that exists here.

I also understand the frustration of the public because you don't know what the solution to this problem is, and that's always going to be an issue with the way that the drain code is set up in Michigan. We are here to determine if there is a problem and a need for a project.

To me, the comments have been clear that there is a need, both from an environmental standpoint and from a flooding standpoint, that this is a necessity.

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And that said, I will make a motion that the
 1
 2
    proposed maintenance, improvement of the Number 52 drain as
 3
    petitioned on January 6, 2020, is necessary and conducive to
 4
     the public health, convenience, or welfare. Is there support
 5
     for my motion?
 6
               BOARD MEMBER RICH VANDERKLOK:
                                              I will support that,
 7
    Mr. Chairman.
               BOARD CHAIRPERSON BILL CARGO: So the motion was
 8
9
     from Bill, supported by Rich. Is there any comments on my
10
    motion as it's made?
11
               ATTORNEY STEVE KOSKI: Mr. Chair, just one
12
     recommendation as you move forward, we do recommend that you
13
     do a roll call vote just for this final vote so that you have
14
     it for the record.
15
               BOARD CHAIRPERSON BILL CARGO: Okay.
                                                      In that case,
16
     I will do a roll call vote -- or excuse me, the secretary,
17
     Ken, can you do a roll call vote of this?
18
               BOARD SECRETARY KEN SOUTER: Bill, what is your
19
     answer?
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               BOARD CHAIRPERSON BILL CARGO: Yes.
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               BOARD SECRETARY KEN SOUTER: Rich, what is your
22
     answer?
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               BOARD MEMBER RICH VANDERKLOK: Yes.
24
               BOARD SECRETARY KEN SOUTER: Ken, what is your
25
     answer?
             Yes.
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1	BOARD CHAIRPERSON BILL CARGO: And there we have a
2	unanimous decision that this drain is necessary for public
3	health, convenience or welfare.
4	I'm going to make just a real brief public comment.
5	Because it is a public shared public burden, all of the
6	public entities will be any solution that is designed will
7	be paying at-large costs, whether that's the Ottawa County,
8	the city of Zeeland, or the Holland Charter Township.
9	In addition, the Ottawa County Road Commission
10	would pay a portion of this, as would, it looks like, the
11	the State Department of Highway.
12	And finally, even the railroad will be paying a
13	portion of this as an at-large development over a portion of
14	the costs for any project that is defined.
15	Again, I know that the drain commissioner will be
16	looking at a balance between effectiveness and cost and will
17	be sharing his insights as this project moves forward.
18	Any other comments from the board members? Rich?
19	BOARD MEMBER RICH VANDERKLOK: No.
20	BOARD CHAIRPERSON BILL CARGO: Ken, any other
21	comments from you?
22	BOARD SECRETARY KEN SOUTER: None.
23	BOARD CHAIRPERSON BILL CARGO: You're good?
24	BOARD SECRETARY KEN SOUTER: Good.
25	BOARD CHAIRPERSON BILL CARGO: Then I'm going to go

quickly to Joe and ask if he has any questions. I know that he wants to talk about, at this stage, he will make some comments on what the appeal process is for the determination of this board of review, or maybe Stacy will handle that.

I'm not sure.

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WATER RESOURCES COMM. JOE BUSH: Yeah, I can let Stacy talk about the appeal process. I can, too, but she's on -- she's on -- we can hear right it from her on today's meeting or public hearing.

But I also just want to say thanks everybody for taking the time this morning to learn about what we're looking into it and how this process works. It's part of drain code, state law, and I'm just abiding by the state law.

It's not like I need another -- another drain, but
-- we have a thousand of them already. It's another one to
the system, which is good so we can -- can help people from
their issues, but -- but again, it's a part of the process.

So I appreciate everybody's time. And again, I will be doing my duty at looking at other, maybe even some grant opportunities, again Outdoor Discovery, the MACC, and all the municipalities, MDOT, railroad, road commission.

There's a lot of moving parts, but we're going to, you know, make sure that they all contribute and help us along the way to move a great project moving forward. So that's all I have to say.

1	Stacy, can you talk about the appeal process
2	please?
3	ATTORNEY STACY HISSONG: Yep. So any person
4	aggrieved by the decision of necessity today has the right to
5	appeal that decision within 10 days from today in Ottawa
6	County Circuit Court. And again, if you have any questions
7	about the process or the status of the project, in general,
8	feel free to e-mail or call the drain office. Thank you.
9	BOARD CHAIRPERSON BILL CARGO: At this stage,
10	unless there are objections, I will adjourn the meeting. It
11	is approximately 11:32. So without objection, this Board of
12	Determination is adjourned. Thank you.
13	WATER RESOURCES COMM. JOE BUSH: Thank you.
14	(At 11:30 a.m., hearing concluded.)
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1	STATE OF MICHIGAN )
2	COUNTY OF KENT )
3	
4	
5	I certify that this transcript, consisting of 67
6	pages, is a complete, true, and correct record of the Board
7	of Determination held on August 3, 2020.
8	
9	Dated: 14th day of August, 2020
10	(1) and the att
11	Wenn M. Houghton
12	Ms. Dawn M. Houghton
13	Michigan License CSR-3071, RPR Illinois License 084.004881 Contified Shorthand Reporter
14	Certified Shorthand Reporter
15	O'Brien & Bails 141 East Michigan, Suite 206
16	Kalamazoo, MI 49007 1-800-878-8750
17	My commission expires: 7-17-2023.
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