

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

STATE OF MICHIGAN
COUNTY OF OTTAWA

IN RE: HICKORY GROVE DRAIN
BOARD OF DETERMINATION

Proceedings commenced at 10:00 a.m., on Thursday,
September 21, 2017, at the Georgetown Charter Township, 1515
Baldwin Street, Jenison, Michigan, held before Marjorie A.
Covey, CSR-2616, Certified Shorthand Reporter and Notary
Public.

APPEARANCES:

- Mr. Joe Bush, Ottawa County Water Resources Commissioner
- Ms. Jennifer Vandenberg, Secretary to Water Resources Comm.

- Mr. Bill Cargo, Board Chairman
- Mr. Ken Souter, Secretary
- Mr. Glenn Nykamp, Board Member

- Mr. Rod Weersing, Assistant Superintendent,
Georgetown Township

- Mr. Dana Burd, P.E., Engineer, Prein & Newhof

- Mr. Jerry Olman, Ottawa County Road Commission

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

Jenison, Michigan

September 21, 2017 - 10:00 a.m.

PROCEEDINGS

WATER RESOURCES COMM. JOE BUSH: Good morning, every one. It's 10 o'clock, we'll go ahead and get started with the Board of Determination for the Hickory Grove project. Well it's not really a project yet, but everybody got their notices so I appreciate you being here for the Hickory Grove Drain.

And if everybody had a chance to sign in, hopefully you did that, with my secretary.

Again, I'm Joe Bush, your Water Resources Commissioner for the Ottawa County Drain Commission. I changed the name back in 2012 when I got elected because this is just one part of my job that I do is hold a public hearing. If I get a petition either from the people, which are you guys, tax payers, or the township, which was Georgetown Township maybe gave me a petition to act on.

And that's what I'm doing, that's what this public hearing is for.

The reason there was a petition was because there was some concern of flooding issues over in the Hickory Grove subdivision which is the black area in that -- that's a drain district, or the watershed there.

The engineer will later talk about all the phases

1 in there, but this is a hearing just for this phase alone.
2 So you guys live in that particular phase and that's why you
3 were invited to come.

4 So I do appreciate you taking the time this
5 morning. Some people say, well, Joe, why don't you hold them
6 at night at 6 o'clock or 7 o'clock? Well I get the same
7 feedback that either I have to work in the daytime, I can't
8 get there; or my kids have sports, I got supper, laundry, I
9 don't have time to go.

10 So I do appreciate you guys taking the time to come
11 and listen while we're having this and the importance of some
12 of your neighbors could be having issues. Every one here
13 might not have an issue. Some people might be having issues
14 that couldn't make it today, and that will be read later.

15 But not everybody has an issue. Either you live
16 uphill or downhill. Water runs downhill, and usually the
17 people downhill have most of the problems. So some people
18 will say today, I don't have a problem. Well you could be
19 creating a problem for someone else too.

20 And the people who have contacted me, I've been out
21 there many times; and several of these back yards, maybe I
22 haven't heard from those people. So we invite the whole
23 district just so everybody has an opportunity to say, you
24 know what, Joe, you haven't been to my house, I'm having
25 problems. I haven't said anything but this is the time to

1 talk about it today.

2 Because if we have a project depending on how the
3 hearing comes out today, then we'll move forward and have a
4 project and we'll fix all the issues at this time within that
5 black line. So because that's the watershed.

6 So hopefully that's -- and the engineer will go
7 into more detail later, and I'll do introductions here in a
8 second. But that's why we're here today is as per the drain
9 code, I'm only allowed to spend \$5,000 per mile per drain per
10 year. And that's without petition, so that's just drain
11 maintenance.

12 This particular flooding issues, and you'll see
13 pictures possibly later and you'll hear testimony I'm sure,
14 of issues that cost more than 5,000. So that's beyond my
15 legal limit, and I don't have a blank checkbook. So I want
16 to make sure that the taxpayers and the people understand
17 that I'm here to represent you. But this three-panel board I
18 pick per drain code to make a decision based on your
19 testimony to have a project.

20 So I don't just go and do something that adds a
21 cost to taxpayers. Because this three-panel board will hear
22 it, so when you do come to the podium, during that time for
23 public comment, make sure you state your name, address, and
24 your concern or your complaint.

25 Because it's all court recorded. So we hire a

1 court reporter, and you can always go online at MIOttawa.org
2 in about four to six weeks, it will be online.

3 Or if you can't get access to a computer, we're
4 more than happy to send you a hard copy too if you call me or
5 e-mail me. So everything is word for word. And everything
6 is transparent. I'm all about transparency, so it's
7 important that if you have a problem or a concern, or don't
8 like it, or don't think you should be paying for it or
9 whatever, then make sure you share that at the podium, and
10 let these three gentlemen hear it.

11 These three gentlemen have no affiliation with
12 Georgetown Township as far as they don't own any properties
13 within the black line, they're not a township board member or
14 anything.

15 I do appoint these three men and they're usually
16 connected to a township, whether it's a supervisor or a past
17 supervisor, or something to do with the road commission
18 because they understand drain code, drainage, and they
19 understand how townships kind of operate their budgets and
20 how that works with running a township.

21 So I'll go ahead and start the introductions, and
22 I'll get out of the way here for a minute so you can see.

23 Marge is the court reporter, everything is word for
24 word, and it will be on a transcript.

25 From left to right we have Glenn Nykamp, he's from

1 Zeeland Township, he's their current supervisor. Bill Cargo,
2 he's from Grand Haven Township, he is their manager. And to
3 the right of him is Ken Souter, he's from Port Sheldon
4 Township. And he was on the road commission for many, many
5 years in the engineering department and understands drainage
6 very well, and how the process works with the drain code. So
7 he's been doing a lot of these. This Board has been very
8 involved with helping me with these BODs, the Board of
9 Determination.

10 They don't determine a cost or the project today,
11 just whether or not to move forward, and that is me to move
12 forward with doing something to fix this problem.

13 And then we have over there the guy behind the
14 computer is Rod Weersing, he's from Georgetown Township, he
15 is the assistant manager.

16 And then we have Dana Burd from Prein & Newhof.
17 He's the engineer for this project or for this concern, I
18 should say. It's not a project yet.

19 And then we have Jerry Ohlman, he's from the road
20 commission.

21 And then Jen my secretary in the back, who was
22 signing you in, and that's Jen.

23 I don't think I missed anybody. I think that's
24 everybody.

25 So what happens is I don't run the meeting. I will

1 give these three men the oath and then they will pick a chair
2 and a secretary, and they'll make all the motions.

3 And then everybody will speak to them. And then if
4 you have any further questions, they will address either the
5 engineer or myself. But they'll run this meeting after I
6 give them the oath.

7 All right? Thanks.

8 Gentlemen, please rise and raise your right hand.

9 Do each of you solemnly swear to faithfully perform
10 and discharge the duties imposed upon you as members of the
11 Board of Determination appointed by the Water Resources
12 Commissioner of Ottawa County to determine the necessity of
13 drainage improvements in a certain drain to be known and
14 designated as the Hickory Grove Drain in the Township of
15 Georgetown, in said county, as required by law, Gentlemen?

16 BOARD MEMBER KEN SOUTER: I do.

17 BOARD MEMBER BILL CARGO: I do.

18 BOARD MEMBER GLENN NYKAMP: I do.

19 BOARD MEMBER BILL CARGO: And we will start with
20 simply electing a secretary and chairperson. Do I have a
21 motion to elect a chairperson?

22 BOARD MEMBER KEN SOUTER: I will make a motion that
23 Bill Cargo be our chairman.

24 BOARD MEMBER GLENN NYKAMP: Support.

25 BOARD MEMBER BILL CARGO: We have a motion and

1 support. All in favor of electing Cargo as a chairperson,
2 say aye.

3 BOARD MEMBER KEN SOUTER: Aye.

4 BOARD MEMBER BILL CARGO: Aye.

5 BOARD MEMBER KEN SOUTER: Aye.

6 BOARD MEMBER BILL CARGO: All opposed? And that is
7 approved.

8 BOARD CHAIRMAN BILL CARGO: And then do I have a
9 motion to elect a secretary for this Board of Determination?

10 BOARD MEMBER KEN SOUTER: I would like to elect
11 Glenn to be secretary this morning.

12 BOARD CHAIRMAN BILL CARGO: I'll second that motion
13 to elect Glenn as secretary for this Board of Determination.
14 All in favor, say aye.

15 BOARD MEMBER KEN SOUTER: Aye.

16 BOARD CHAIRMAN BILL CARGO: Aye.

17 BOARD MEMBER GLENN NYKAMP: Aye.

18 BOARD CHAIRMAN BILL CARGO: Opposed?

19 And so we now have that out of the way.

20 The rules for the public comment for this is I'm
21 going to give everybody an opportunity, I'm going to go up
22 and down each row on one side and then up and down each row
23 on the other side so that everybody has an opportunity to
24 speak.

25 We ask that you keep your public comments to three

1 minutes. You can give a good summary of War and Piece in
2 three minutes, so we hope you can explain your problem or the
3 fact that you don't have a problem in that same amount of
4 time.

5 However, to have the rules of public comment be
6 official, I'm also going to make a motion to limit public
7 comments to three minutes per person.

8 Do I have a second on that?

9 BOARD SECRETARY GLENN NYKAMP: I'll second.

10 BOARD CHAIRMAN BILL CARGO: We have a motion on the
11 table and again a second.

12 Any comments on that?

13 Then all in favor, say aye.

14 BOARD SECRETARY GLENN NYKAMP: Aye.

15 BOARD CHAIRMAN BILL CARGO: Aye.

16 BOARD MEMBER KEN SOUTER: Aye.

17 BOARD CHAIRMAN BILL CARGO: Opposed?

18 And again, that was approved.

19 I'm going to start though with the township. We
20 have the assistant superintendent for Georgetown Township
21 here.

22 If you would like to go to the podium and make
23 comments, I would appreciate it.

24 ASSISTANT SUPERINTENDENT ROD WEERSING: Good
25 morning. I'm Rod Weersing, Assistant Superintendant for

1 Georgetown Township.

2 We had some complaint calls about this particular
3 area with basements flooding, water ponding, that we have
4 referred historically to the water resources commission. Joe
5 Bush's area has followed up on those complaints and then came
6 back to the township to discuss the issues at hand.

7 From there the Board, Township Board decided to put
8 together a petition to go through this Board of Determination
9 process.

10 BOARD CHAIRMAN BILL CARGO: Thank you.

11 Then we understand why we're here. Now I'm going
12 to ask that the engineer please provide a -- he's going to
13 give us a PowerPoint presentation or an overview of the
14 issues that may exist within this drainage district.

15 If you would go to the podium and introduce
16 yourself, I would appreciate it for the public.

17 ENGINEER DANA BURD: Hi, my name is Dana Burd. I'm
18 a professional engineer with Prein & Newhof. We were hired
19 by Joe's office to do kind of a preliminary engineering
20 review of the district, take a look at the boundary, go
21 through the files in his office, review some of the
22 complaints that are on record.

23 I went out to the site and took a look at a few of
24 these areas. I've got a short PowerPoint presentation with
25 some maps and some photos of just what the site looks like as

1 of three days ago.

2 And I'll speak a little bit about this kind of my
3 engineering observations of what I know of what's in the file
4 and what I see on site.

5 I guess with that, if everyone can hear me okay,
6 I'm just going to walk over here by the screen.

7 A little history on the Hickory Grove Drain. We're
8 here like Rod said because there was a petition by Georgetown
9 Township recently under Chapter Eight of the Michigan Drain
10 Code to maintain and improve the county drain.

11 Joe mentioned he's limited by statute on the amount
12 of money that can be spent on maintenance, so that's one of
13 the reasons we're here today is to discuss whether or not
14 something more than that needs to be done.

15 The history of the neighborhood, there were four
16 plats. And the neighborhood was developed between 2001 and
17 2005. The main pond area was built as part of the first
18 phase and then subsequently it was reviewed when each
19 additional phase of development was approved.

20 It was established as a 433 Drain in 2001, when the
21 development began, and then that record was updated with each
22 phase of development.

23 This map shows the boundary of what we're calling
24 the Hickory Grove Drain. Every one within this boundary got
25 a notice of this meeting. This represents the watershed for

1 the area. There is different drains that are outside of this
2 that control the drainage of the surrounding land.

3 I went out to the site, looking through the file,
4 and went out to the site and reviewed this boundary. There
5 is a lot of enclosed storm pipe within the road system, and
6 then there is a lot of enclosed storm pipe in the back yards
7 of the houses. And then there is one main detention pond in
8 here just north of Acadia Drive kind of south of Glacier
9 Drive.

10 This next map just shows an aerial picture of that.
11 We have this on the Board so when people are talking it's
12 helpful maybe to find their houses. We also ask that when
13 you speak you give your name and address.

14 A couple of the things that were noted in the file
15 when I reviewed that, there were 30 different reports on file
16 of -- or logs in the county file between 2003 and 2017. A
17 lot of those came around 2013 when we got a big rain event.
18 The majority of those focused on a couple different areas.

19 This photo is a picture of the main pond area, just
20 north of Acadia Drive. It was recently mowed as part of a
21 maintenance project. My understanding of this from the file
22 and from looking at it, is that it's had some issues in the
23 past with getting plugged up and it fills up quite often.

24 The people here can speak a lot more to what you've
25 seen out there. There were some pictures in the file of it

1 quite filled with water.

2 The outlet structure for this pond sticks up in the
3 middle, there is some holes around the edge (indicating), and
4 then there is an overflow on top. There is a lot of
5 vegetation that develops around here, and from what the file
6 had stated, a lot of that tends to get caught up on here, so
7 maybe the water has trouble draining out on occasion.

8 There is also a big overflow structure for the pond
9 (indicating) in here. And it's meant to, if it were to fill
10 up, spill into here (indicating), and then spill across the
11 road.

12 This is a picture of where it would spill across
13 the road. It's looking west at what we would call the
14 emergency overflow route for the pond.

15 This I wanted to show because there is a storm
16 sewer that takes the majority of the water into this pond,
17 it's a 30-inch storm sewer. That runs right down Acadia
18 Drive (indicating) and then comes into the pond this way.

19 One of the issues in the file that was noted was
20 that when this storm system went in, you know, some of the
21 standards had changed, and as additional phases of
22 development came about, more water was added to this system
23 each time the design was reviewed. But at this point it's
24 our understanding -- I haven't done the calculations myself
25 but that this pipe runs fairly full in rain events, big rain

1 events.

2 So when we talk about where can the water go, why
3 does it trap and back up in certain areas, one thing that
4 we're concerned about is that this pipe may be quite full,
5 there is not a lot of extra capacity just to add more
6 drainage to it.

7 This is just a profile drawing that shows the road
8 grade and the storm pipe that comes down into the pond
9 (indicating).

10 There is a low point here in the road where the
11 pond could overflow (indicating). There is another low point
12 this way, upstream of Glacier Drive (indicating) that I'll
13 talk about here too.

14 This is a picture of the rear yards between Jasper
15 and Glacier, this is north of Acadia Drive. If I go back to
16 the map, so the main pond I was talking about is right in
17 this area (indicating). Then we looked at a picture going up
18 Acadia Drive (indicating).

19 Now this area I'd like to talk about is the rear
20 yard areas between Glacier and Jasper. A lot of the
21 complaints in the file centered around how often this pond
22 fills up and how it has trouble draining.

23 Another group of them centered on this rear yard
24 area. It's my understanding a lot of the homes around this
25 area have had issues with water backing up in their back

1 yard.

2 When I was on site I talked to one of the
3 homeowners here who said this is the sixth time that they had
4 flooded. And when I went out to the site I took a look at
5 this area. There is quite a lot of slope coming down this
6 neighborhood (indicating). Everybody generally slopes from
7 the north to the south, and drainage is picked up in these
8 basins and then piped into the main pond (indicating).

9 So even though there are other drains to pick up
10 water, if those are plugged with the surface or not -- there
11 is a potential that water can rush down here (indicating).

12 So I could easily see how the file noted that a lot
13 of water would buildup in here (indicating) and would have
14 trouble getting out in here (indicating).

15 So that's really the two places that the file had
16 noted issues. And like I said, the folks here can speak a
17 lot more to the specifics of that. But I wanted to go
18 through and show some photos of that site.

19 This is that rear yard area of the drains that are
20 there now, around this River Birch Tree. But this has a lot
21 of slope to it so I could see how a lot of water would come
22 down and pool up against there.

23 This is a picture just looking back towards Acadia
24 Drive. A lot of times when neighborhoods are designed
25 they're designed to have kind of an emergency overflow area.

1 The ground in this area seems to be built a little higher,
2 that wouldn't allow this water to escape out before it would
3 impact some of the houses in the area.

4 And that was noted in some of the file notes. And
5 I could see how as well that would potentially be an issue
6 for water to be able to get out.

7 If water could get out here, it would go into the
8 road but that storm pipe is quite full. So, you know, that's
9 something that would be looked at if a project were to go
10 forward to resolve what's going on there.

11 Next steps for the project, like I say the purpose
12 of the meeting today is to hear from the public and determine
13 whether or not something can be done. We don't know what
14 that something is. I've not proposed any solutions, I've
15 just reviewed the information that's available.

16 Next step will be to hear from the public, the
17 Board of Determination will make their decision, if a project
18 is deemed necessary.

19 If it's deemed necessary, additional work will
20 probably be done in terms of survey and design to determine
21 what that something is that can be done .

22 If there is easements that need to be obtained or
23 permits, those would be obtained and a project could be done
24 bidding construction, and there could be a day of review
25 meeting to review the cost of that.

1 If a petition is deemed not necessary, then nothing
2 else will occur.

3 That's really the end of my presentation. Any
4 initial questions?

5 BOARD MEMBER KEN SOUTER: Yeah, you showed where
6 the pond is, you showed where -- where does the water go once
7 it leaves this ponding area? Is there a problem downstream
8 from that area? Or is the problem right there in the ponding
9 area, and that's the only spot that -- I mean does it have an
10 outlet once it gets away from there?

11 ENGINEER DANA BURD: Yeah, there is a fairly large
12 outlet into what's called the Alward Drain. We didn't note
13 any issues with this outlet. It seems to be a lot of the
14 complaint in the file centered around just how water escapes
15 from this pond (indicating), as well as how water escapes
16 from this area (indicating), which would then go into the
17 pond.

18 BOARD MEMBER KEN SOUTER: Secondly, is this pretty
19 impervious ground? Are we talking clay or are we talking
20 gravel?

21 ENGINEER DANA BURD: There is quite a bit of clay
22 in this area, yep. And that's important because there is not
23 a lot of percolation of the water. So that's one of the
24 reasons why a lot of these back yards (indicating) had drains
25 extended into them originally. But due to the slope of how

1 steep this is, I think a lot of water may be skipping those
2 drains, as they go downhill.

3 BOARD MEMBER KEN SOUTER: Okay. Lastly, you had
4 four different subdivisions all part of the main subdivision,
5 was this the only ponding area that was included within those
6 four subdivisions, or was there other ponding areas that were
7 supposed to slow the water up before it gets to that?

8 ENGINEER DANA BURD: As the neighborhood was
9 developed there were other areas that were considered in the
10 design, I believe, around these surrounding areas
11 (indicating), as developments came in there was additional
12 storage.

13 On this phase up north of Jasper, that neighborhood
14 was divided into a separate one called Hickory Grove North
15 Drain which runs out to the west (indicating).

16 So the initial area and design of the pond I
17 believe was for something like 60 acres when the first phase
18 went in. And currently it contains about 50 acres because
19 that drain was reviewed and revised according to the
20 standards at the time.

21 So there is no other detention ponds within this
22 boundary, but as the neighborhood was developed, the design
23 considered maintaining the intent of that original design.

24 BOARD MEMBER KEN SOUTER: Thank you.

25 BOARD CHAIRMAN BILL CARGO: Glenn, anything?

1 BOARD SECRETARY GLENN NYKAMP: No, I'm all set.

2 BOARD CHAIRMAN BILL CARGO: Okay. I appreciate
3 your time.

4 And at this stage we're going to move from Dana and
5 we're going to open for public comments.

6 Just as a reminder, when you come up to the podium
7 if you would just give your name and your address. And if
8 you can, if you can point out on the -- or tell us
9 approximately where you live in relation to the subdivision,
10 that would be appreciated also.

11 So I'm going to start in the very front row, and
12 ask if you would like to make any comments? And then we'll
13 go from left to right for this section.

14 MS. DENISE MATTICK: My name is Denise Mattick, I
15 live at 3816 Acadia. My property is adjacent or across the
16 street from the pond.

17 And that drainage from the pond, that easement runs
18 through my entire length of my yard out into the stream in
19 the back.

20 BOARD CHAIRMAN BILL CARGO: Okay.

21 MS. DENISE MATTICK: So that large plot is mine
22 there. I've lived here since 2009. I personally know of two
23 times that that pond has come up over the sidewalk. There
24 may be more, I don't know.

25 But that drain does run through my backyard, and

1 there is a manway at the very base of my yard.

2 I would ask the engineers to contact some of us on
3 the side of the Alward Drain, we are experiencing soil
4 erosion due to the height of that stream. I do not know if
5 it's from the pond, or it's just in general from that stream
6 that's allowed to swell so much in the spring.

7 The drain commission has been responsive and come
8 out and tried to reinforce my bank along the back with rocks,
9 but I have lost a significant amount of soil due to that
10 stream in the back.

11 The drains, the manway drains out in the street,
12 I'm out there in the winters trying to clear the snow and
13 allow the drains to work properly. It's a concern as my
14 property is right across the street and downhill from that.

15 Thankfully I've not had any flooding. I do have a
16 sump in my basement which runs constantly in the spring.

17 And that's pretty much it. I think the vegetation
18 removal has helped a little bit in keeping up those drainage
19 areas across the pond.

20 BOARD CHAIRMAN BILL CARGO: Appreciate it. Thank
21 you.

22 Next?

23 MS. DEBORA ALBRIGHT: I'm Debora Albright, I live
24 at the corner of Glacier and Acadia Drive.

25 I was the first house that went in in that pond

1 area, I actually live right at this point here (indicating),
2 the beginning of the pond.

3 At the time that I purchased the property, there
4 were no roads behind. I was right there before all of it was
5 put in. But at the time that I bought the property I was
6 looking for an area that they were going to have some type of
7 a, more of a lake pond type area, so the kids could use
8 paddle boats and things.

9 Obviously that didn't happen, and that's okay. But
10 I have, over the years, watched as the development has
11 occurred and at times we had flooding halfway up into my
12 backyard.

13 As they were putting in newer phases of the
14 development across the pond, some of those new houses prior
15 to the entire house being built, while the basements were
16 still exposed, water would rise as high as three feet into
17 the back wall of those new houses that were being built. So
18 over time there has been huge amount of water issues.

19 Joe has been out to my property and helped to do
20 reconstruction, adding more drain tiles and things too
21 because of drainage. I actually have two sumps that run
22 continuously, almost year round because of the amount of
23 water that comes in.

24 But you know it's my desire greatly to work
25 together as neighbors and within the township and the county,

1 for the safety and health too of all of us as well as the
2 water issues.

3 I've had flooding in my basement three times, and
4 had mold remediation three times, and molds that they found
5 in there due to the water, that were all soil and water
6 related, created health issues for us as a family, as well as
7 great expense.

8 At one point \$21,000 for mold remediation is the
9 amount we had to do to remove the water, and I've had three
10 times that we've had to have it done.

11 And one of my other big concerns right now is that
12 with the amount of standing water, when these drains get
13 plugged and filled and the amount of vegetation that has had,
14 you know, maybe good vegetation but a lot of bad vegetation
15 in it, has been a major health concern. And I have contacted
16 the health department on two occasions since I lived there.
17 We built our house in 2003.

18 And as the growth started overcoming and the water
19 issues were rising, we -- and I contacted the health
20 department, they said you're looking at potential West Nile
21 breeding grounds here if something isn't done with the
22 drainage system here.

23 My son, Jim is on life support now due to soil and
24 water related infections that he has in his lungs. I
25 actually have all kinds of documents here from the Center For

1 Disease Control on the types of infections that he has and
2 medical documentation of the infections he's had.

3 I, myself, went through two years of chemotherapy
4 and bone marrow transplant due to a soil and water related
5 lymphoma.

6 So, you know, these are big concerns for us. And I
7 really would like to try as a -- as a community, because I
8 love where we live, I love our neighbors, I love the
9 community here, I love being in West Michigan, but this has
10 become not only just an issue of drainage, but health hazard
11 too.

12 BOARD CHAIRMAN BILL CARGO: I appreciate your time,
13 thank you very much.

14 Next?

15 And the gentleman next?

16 MR. ED SILER: Good morning. Ed Siler, I live at
17 3830 Acadia Drive, so I live just across the street from
18 Debbie.

19 I don't have any problems with drainage, I don't
20 even have a sump pump luckily. People will probably throw
21 arrows at me for that.

22 I guess I'm concerned about process, you know, this
23 sub is about 15 years old. A lot of the houses in there are
24 less than ten, many less than five that back up to this.

25 To me this should be a township issue to fix. The

1 developer obviously has not done what he should have done.
2 It was approved by the township, and already everybody has
3 problems.

4 So now you're going to lay the cost on to the
5 landowners when really the failure was in the planning
6 process for this.

7 I'm very sensitive to my neighbors, and I want them
8 to, things to be fixed; and if it means I have to pitch in, I
9 will. But from a process standpoint, for the township to
10 petition for an assessment for the people that live here, for
11 a failure of the planning process in the initial
12 installation, we're not talking about a 60-year-old drain
13 here, we're talking about one that's less than 15 years old.

14 That's the problem I have. And I don't think that
15 should be put on the backs of the people that now live there
16 when the failure is elsewhere. Thank you.

17 BOARD CHAIRMAN BILL CARGO: One of the things, just
18 for the record that if this is deemed necessary by this Board
19 of Determination, one of the other votes we would have is
20 whether some of the costs would be assessed to the township.
21 And so if we get to that point and we consider this to have
22 health and welfare issues, we would approve a motion that the
23 cost, or some of the cost would be assessed to the township
24 at large.

25 And then it would be up to the drain commissioner

1 to determine the amount that they would be receiving.

2 So that said, I just wanted you to understand from
3 the process there is a way that the township would also
4 contribute to something like this.

5 Next? Okay.

6 Second row?

7 MR. TIM SMIT: Tim Smit, I live at 6884 Yosemite
8 Court, kind of the first house on the corner of Acadia and
9 Yosemite Court.

10 I didn't really know what this was so I just
11 thought I'd come.

12 We live on clay. I realized that every since I
13 moved in five years ago. I lived on sand before. So I do
14 get water, and actually a year ago I did -- my sump failed,
15 so now I added a sump pump and a battery backup. So it was
16 just a matter of -- I'm just relating what I experienced.

17 But I just assumed it's the way it is. There is
18 water, I do have a drain in the backyard, corner of our yard,
19 water flows down behind all the houses on Yosemite Court. It
20 does its job from what I see.

21 But, yeah, I just wanted to just state that.

22 The pond, I don't live on that so-called pond, but
23 for the most part from what I see it's dry. But I know in
24 the spring it's wet. When we get the thaw and the rain it's
25 pretty wet. But that's all I can say I seen.

1 BOARD CHAIRMAN BILL CARGO: Okay. And the third
2 row on the right-hand side, my right-hand side.

3 MS. KEENA THIEL (sic): I am Keena Thiel (sic). I
4 live at 7035 Glacier Drive. It's more on the east end of
5 Glacier Drive.

6 I have a drain in the back corner of my lot, and
7 also a drain out in the front in the road. And I have a sump
8 pump and a water powered backup. And the sump pump does run.
9 We have never -- I've lived there since October of 2009. We
10 have never had water in the basement, and the backup sump, I
11 believe since it's been installed since 2010, has only ran
12 one time, in addition to the other.

13 We do have that drain in the back, water does flow
14 down into it. I am at the end of Glacier to where there, the
15 water from my end does not flow towards the end that you're
16 discussing with the problems. There is a little bit of a
17 hill in the center there and it starts to flow back down
18 towards the other -- the east then at my point.

19 So we have not had flooding in the back of our yard
20 that has been anything more than during a rain storm, lasted
21 for that duration, and that's it. We don't -- I mean I do, I
22 feel kind of the same as the gentleman a couple before. I
23 feel bad for neighbors that are experiencing this problem.
24 I'm not seeing it on my end.

25 BOARD CHAIRMAN BILL CARGO: Appreciate it.

1 Next?

2 MS. LAURA VAN ECK: My name is Laura VanEck, and I
3 live at 7131 Jasper Drive. And we are just west of 36th on
4 the north side of Jasper.

5 And we've lived in our house since 2009. And we
6 have a drain directly behind our house, and we have a drain
7 right in front of our house. And we have not seen a problem
8 at our home. And we also have a water backup sump pump. And
9 we noticed it running if we get a lot of rain, but otherwise
10 we don't notice a problem.

11 And with the clay soil, I imagine draining is not
12 going to work as efficiently naturally as what it would if it
13 was sand. But that's just expected and not much anybody can
14 do about it. It's just kind of the nature of the soil.

15 And the pond, we haven't seen significant water,
16 some mud where the boys like to look for frogs, but nothing
17 substantial.

18 And I imagine with folks that move in, if it was
19 called a pond, they probably expected some water, at least
20 that's what I would anticipate. So I would expect it to go
21 up and down, up and down, depending on rain fall.

22 Were -- my husband and I are just concerned about
23 the overall cost incurred by the neighborhood to fix the
24 problem if there is deemed to be one.

25 BOARD CHAIRMAN BILL CARGO: It looks like your

1 property is just barely, probably only about 20 percent of
2 this area is even within this drainage district. So it looks
3 like you're mostly draining to the district behind you.

4 Okay. I appreciate that.

5 MS. LAURA VAN ECK: Thank you.

6 BOARD CHAIRMAN BILL CARGO: Thank you.

7 And next?

8 MS. LORI COOPER: Good morning. My name is Lori
9 Cooper. We live at 7041 Glacier Drive, neighbors to Keena.

10 We've only been here a year and actually as soon as
11 we moved in and found out there wasn't a backup sump pump, we
12 put one in because we come from an area of clay where our
13 basement did flood twice. We had lung issues, and it was
14 deemed there that it was an issue of not prior oversight of
15 the township, and our township did take care of those funds
16 to repair the storm drainage issues in our previous house.
17 So that's kind of how I see it.

18 BOARD CHAIRMAN BILL CARGO: What was your address
19 again?

20 MS. LORI COOPER: 7041 Glacier Drive.

21 BOARD CHAIRMAN BILL CARGO: Okay, thank you.

22 And the next row back?

23 MR. JOSH SAAGMAN: My name is Josh Saagman. I live
24 at 7117 Jasper. I'm on the north side also with a couple of
25 the past ladies who spoke.

1 We don't have major water problems. I do have a
2 sump pump. It does run in the spring. I have a backup too
3 just because if power were to ever go out.

4 Nothing -- so no major water issues. If rain is
5 extremely heavy, with it being clay, there will be standing
6 water for half the day or day until it drains out.

7 But my -- yeah, my concerns were surrounding the
8 cost as well as kind of the questions of, you know, the
9 30-inch pipe that we saw on the presentation, why was a
10 smaller -- why was a small pipe considered? Who inspected
11 that? Who approved that? So -- and how to appropriate that.

12 And I kind of feel like whether it's the township
13 or the inspectors, I kind of feel like as, with it being 15,
14 16 years old, the plots were mapped out, I just don't want --
15 at the end of the questions if we could just discuss in the
16 approval process --

17 BOARD CHAIRMAN BILL CARGO: I'll leave that for you
18 to talk with Georgetown, the assistant superintendent would
19 be glad to talk to you about the approval process.

20 I also understand though, and correct me if I'm
21 wrong, that standards have changed since this went in. And
22 so that's one of the issues that I understand from today that
23 this would not be approved by current standards. But 15
24 years ago the standards in place, they met.

25 And in this case it may not be sufficient for the

1 entire neighborhood area.

2 MR. JOSH SAAGMAN: Right.

3 BOARD CHAIRMAN BILL CARGO: The standards that were
4 approved back then.

5 MR. JOSH SAAGMAN: Right, okay. And I mean as
6 standards change, I also sympathize with the people who are
7 having the problem.

8 BOARD CHAIRMAN BILL CARGO: Right.

9 MR. JOSH SAAGMAN: With it being clay, I mean I
10 understand that --

11 BOARD CHAIRMAN BILL CARGO: Water runs downhill.

12 MR. JOSH SAAGMAN: I came from sand, so I went from
13 sand early and moved about two years ago to clay and I expect
14 there to be standing water in the backyard during heavy
15 rains.

16 And as more slope, I understand that. My concern
17 was that I view it more as a township thing to kind of come
18 together.

19 BOARD SECRETARY GLENN NYKAMP: Could you give me
20 your address please?

21 MR. JOSH SAAGMAN: 7117 Jasper. It's on the north
22 side.

23 BOARD SECRETARY GLENN NYKAMP: Okay, thank you.

24 BOARD CHAIRMAN BILL CARGO: Okay. Anybody else on
25 the, what would be my right side of the room? Okay.

1 Feel free.

2 MS. TANYA DeHONDT: I'm Tanya DeHondt, I'm at 3865
3 Jasper Court.

4 We mostly back up to the Hickory Grove North Drain,
5 which I know is not in discussion here today but that one
6 never goes dry. It is stagnant. We have a thick layer of
7 algae on it. So I don't know if the same people are putting
8 in that drain put in ours. Ours don't go down at all.

9 She mentioned health issues, I have a child with
10 health issues. They can't rule out it's not from that. That
11 water never moves.

12 So if you're assessing what's happening here, you
13 might want to look at that as well.

14 BOARD CHAIRMAN BILL CARGO: Okay. What was your
15 address again?

16 MS. TANYA DeHONDT: 3865. And like they said, if
17 you agree to live on a pond, the water is going to go up and
18 down. Our water never moves, it just goes up.

19 BOARD CHAIRMAN BILL CARGO: And you're not supposed
20 to be on a pond from where you're located at your property.

21 MS. TANYA DeHONDT: Exactly.

22 BOARD CHAIRMAN BILL CARGO: I understand your
23 concern.

24 We'll go over to my left side of the room, the
25 second row back, does anybody want to speak?

1 MR. BEN HOPKINS: Good morning, my name is Ben
2 Hopkins. I live at 3867 Acadia.

3 First off I want to thank you guys, and thank you,
4 Joe, for having this meeting and letting every one voice
5 their opinions. I moved in May of 2015. Love the
6 neighborhood, love the neighbors, love everything about it.

7 In July of 2015 my wife gets a knock at the door
8 with Joe and Mr. Cole, I don't see here today, to discuss
9 some flooding.

10 And I live in the interval of Acadia and Jasper.
11 So to our surprise we found out that numerous neighbors,
12 including our house, previously flooded. So that's all of
13 another story as far as knowing our house flooded before we
14 bought it, to discuss the issue.

15 So we understand it's clay. I have two pots in my
16 backyard. We have a regular sump pump, and a backup water
17 jet sump pump. So we have never ever had a problem until
18 July 28 of this year when we had the massive power outage and
19 a couple hours of some major, major down pours.

20 Since that meeting on the, on July of '15 every
21 time it rains me and my wife are in the basement making sure
22 there is no water in it. So we're like sweet, nothing. No
23 problem.

24 Well the backup battery to my sump pump failed
25 after about three hours, but the water jet came back on.

1 And as I understand it part of the problem is, yes,
2 it's clay; yes, water does not flow uphill based on the
3 arrows of the drain which seem incorrect based on the grade.
4 Those picture were actually in my backyard that Dana showed.

5 Is that 18-inch -- there is only 18-inch drains in
6 the back of, of all the smaller drains in every one's back
7 yard. So that 30-inch drain has water rushing to the large
8 pond. There is not enough pressure with the 18-inch drains
9 for water to get out.

10 So even though my sump pumps both worked, and my
11 backup one works, the water still comes back up because the
12 pots are completely filled and the water cannot get to the
13 30-inch drain to bring it to the big pond.

14 So that morning, got up, again checked it that
15 night, in the middle of the night when the power went out,
16 stepped off the bottom, step in my basement and I was in 6
17 inches of water. And again found out this happened to
18 several neighbors several times, it happened to the people
19 that had the house before us several times. I don't know
20 exactly how many, it's only happened to us once.

21 So \$20,000 worth of damage later, you know, I share
22 the exact same concerns of many other people, you know. I
23 don't feel that anybody in this room should have to pay
24 anything for it. Okay?

25 And I understand -- I personally would pay for my

1 own behalf because I love the neighborhood, okay? And I
2 don't want it to happen again to my house because I don't
3 want my insurance company to cancel me.

4 I don't want to go -- they just started demolition
5 on my basement two days ago, that's how long it takes to deal
6 with an insurance company.

7 Same thing with mold. The health concerns. I have
8 two little girls, I don't want anything to happen with them
9 with mold or anything like that.

10 So thank you for this meeting, I am one of the
11 people that has a problem, but again I share everyone's
12 concerns that I don't believe the cost should be passed on to
13 us due to -- the way the arrows show the water 100 percent
14 does not flow that way, and I just don't want to go through
15 this again. It's been kind of a nightmare.

16 But we definitely still love the neighborhood,
17 still love the township and I'm very thankful that you guys
18 are willing to have this meeting for that.

19 BOARD CHAIRMAN BILL CARGO: The third row back?

20 The gentleman in the third row back?

21 MR. JOE BUER: Joe Buer, B-U-E-R. I live at 3807
22 Acadia Drive, which is on the inside next to the pond. I'm
23 one of the three property owners whose parcel covers the
24 drainage area. And I'm the last Tibbe lot to be built in the
25 development, so 2013 December is when we moved in.

1 I think the review is a good thing. Thank you for
2 taking the time to do that, especially for the issues that
3 are out there.

4 I don't have a story of my basement being full,
5 because I have a walkout, and it's a good thing that I do
6 because I think in my case it's less of a drainage around the
7 area for the basin, as much as it is just the grading of the
8 two lots.

9 So unfortunately, the lack of sand backfill around
10 my foundation by Tibbe Homes, and the fact that my elevation
11 is lower than the lot next to it, all the water drains into
12 my lot, and then into the basin, or into -- basically down by
13 my foundation.

14 So I have a sump pump that runs 365 days a year,
15 but that's not due to the drainage which is the topic.

16 I would have interest though knowing that that is a
17 similar situation to some of the other Tibbe Homes in the
18 area, as to whether or not the scope could be expanded to
19 determine whether or not some of the building codes were
20 violated on how the construction and the foundations and the
21 lots and the gradings were performed.

22 Because I know from my perspective, the gradings --
23 I don't believe it -- I don't think it was performed
24 correctly, and I think it violates one of the building codes
25 of the highest lot establishes the elevations in the

1 neighborhood or first built, whatever.

2 Outside of that, I'm just one of the property
3 owners that has much interest in the drainage and the basin,
4 and the process that was brought in.

5 BOARD CHAIRMAN BILL CARGO: Thank you.

6 MR. BRIAN WHITE: Good morning. My name is Brian
7 White, I live at 3866 Acadia Drive, between Jasper and
8 Glacier on the south side of Acadia.

9 So the Alward Drain is in our backyard. We have
10 flooded once. There are times when it's a really
11 catastrophic rain event that drain overflows and frequently
12 comes up quite a ways into our yard. And as I said we did
13 flood once on the street side.

14 There is a drain on our side of the street, I
15 happen to live right across the street from them
16 (indicating). There have been times when that has been like
17 a lake. My favorite time is the school bus going down the
18 street and the waves going over my mailbox. That's obviously
19 pretty rare but it has happened.

20 I also understand that standards change, codes
21 change and things like that. But somebody did know what the
22 original standards were, and then approved more development.
23 So that's a concern of mine too.

24 I think that's it.

25 BOARD CHAIRMAN BILL CARGO: Okay, appreciate it.

1 And then the final gentleman in the back on my left
2 hand side?

3 MR. ANDY GRYZEN: My name is Andy Gryzen, I live at
4 3880 Jasper Court. So we're kind of on the high side of
5 things.

6 I feel bad about the water in the basements, but
7 originally when Excel Engineering and the Kerkstra
8 Development had this all pushed through, I mean I really feel
9 that some of this should be back on them, because there is an
10 issue here.

11 Of course I mean obviously nobody wants a wet
12 basement. We're fortunate. Our sump pump does run all the
13 time. We are in clay, we do have a backup sump pump.

14 But back to what Tanya said about across the
15 cul-de-sac and met with the gentleman behind us there, there
16 is a lot of drainage cleanup that has to happen on the north
17 side also to get rid of some of our water.

18 So I'm not in favor of the homeowners paying for
19 this. I think it was probably something that maybe could
20 have been avoided. I know things change, but again I don't
21 feel like we should be on the hook for it.

22 BOARD CHAIRMAN BILL CARGO: Appreciate it.

23 At this stage I think everybody has had an
24 opportunity to speak, and so I'm going to --

25 Oh, Jerry from the road commission, sorry.

1 Jerry, do you have anything you want to add?

2 MR. JERRY OLMAN: No, I don't.

3 BOARD CHAIRMAN BILL CARGO: Okay.

4 WATER RESOURCES COMM. JOE BUSH: Mr. Chair, may I
5 have a few words?

6 BOARD CHAIRMAN BILL CARGO: Sure.

7 WATER RESOURCES COMM. JOE BUSH: Sorry. I just
8 want to take a few minutes and again thank everybody for
9 their time coming today. But I want to help you guys
10 understand before he bought his house I was out there with
11 the previous property owners, flooded several times, and I'm
12 sorry that he wasn't notified that his house was flooded.

13 And Mindy Mills couldn't be here today, but she
14 does have a letter that they will read, so I want to make
15 sure that gets read.

16 There is also a picture of her backyard, I don't
17 know how we get that so everybody can see it. But I was
18 there in 2013, and she probably had three or four feet of
19 water in her back yard. It was very -- yeah.

20 So I want the people to understand who don't have a
21 problem, there is people who do have a problem -- you got
22 pictures.

23 So it happens not really with a big rain anymore.
24 It happens with a couple inches, and you've a lot of water.
25 And Deb Albright, I've been out there several times and

1 helped Mrs. Albright.

2 And recently you guys noticed that pond got mowed.
3 Normally the developer or the property owners took care of
4 that. I got three or four hundred of those type ponds that
5 normally I don't mow because that's not what we do.
6 Usually -- the county doesn't own that, nor does the
7 township, those are all personal property owners who own all
8 of that property.

9 All I have is an easement over it which Deb
10 Albright called me and said, can you please take care of
11 this? Nobody else is.

12 And I did.

13 And that was the township, I called the township
14 and said, I want you to take care of it and mow it, and we
15 did. Only because it was getting overgrown, and from what I
16 was told for years, the property owners who lived there took
17 care of mowing it themselves.

18 MR. ANDY GRYZEN: Who is the property owners of
19 that pond?

20 WATER RESOURCES COMM. JOE BUSH: It's all the
21 people who live up, who abut up to it.

22 MR. ANDY GRYZEN: It shows a boundary there, but I
23 didn't know if the --

24 WATER RESOURCES COMM. JOE BUSH: I just have the
25 easement. And the reason I have the easements is because

1 I've been out there.

2 We go there all the time in the spring, the
3 cattails die, and then they plug it up, every spring. So we
4 go out -- it's a maintenance thing every year. So we are out
5 there looking at that.

6 And the Alward Drain has been an issue from the top
7 to the bottom. That thing is a very quick running drain, I
8 know we've been out there putting rocks and trying to
9 stabilize some of that bank. I know one of my contractors or
10 my drain inspector said there is another issue by your house
11 (indicating) so I know we're looking at that because it does
12 fill up quickly and we all have erosion.

13 So we try to be very proactive but I have over 900,
14 almost a thousand drains. It's hard -- I'm only one
15 commissioner and I have a small staff. And Georgetown
16 Township has been working with me on these particular issues.

17 But I just wanted to clarify the pond, we did mow
18 it. Keep the cattails down and keep all that brush down.

19 BOARD CHAIRMAN BILL CARGO: Hey, Joe, just because
20 I made everybody else go by three minutes, I'm going to bring
21 this to the conclusion.

22 WATER RESOURCES COMM. JOE BUSH: That's fine. But
23 please see me afterwards if you want to discuss anything
24 further.

25 BOARD CHAIRMAN BILL CARGO: I appreciate those

1 comments.

2 We've had really the public comments, and it does
3 appear -- I'm going to speak first if you don't mind, Glenn.

4 BOARD SECRETARY GLENN NYKAMP: Nope, go ahead.

5 BOARD CHARIMAN BILL CARGO: It does appear that
6 there does -- is there a letter? Do you want to talk about
7 it?

8 BOARD SECRETARY GLENN NYKAMP: I'll just read this,
9 this came from Mindy Mills. I am -- her address is 6957
10 Glacier Drive in Hudsonville.

11 She says, "I am writing to let you know that we
12 have lived at 6957 Glacier Drive in Hudsonville for the past
13 15 years. We were the second family to move into this
14 subdivision. We have been experiencing a flooding basement
15 and a lake in our backyard for the majority of these years."
16 And that's the picture that I just passed around.

17 "We have had many meetings with Paul Geerlings,
18 former drain commissioner about this. He has personally come
19 to our house to see the lake sitting in our backyard. The
20 attached picture was from September 2013 and is very accurate
21 yet today. During these years, it was a back and forth
22 process between the developers, builders, road commission and
23 the county. Each group would say that there was a problem,
24 however no one would accept responsibility to get it fixed.

25 "In the more recent years we have met with Joe Bush

1 about this ongoing issue many times. He continues to look
2 for solutions but we still are left with water in our back
3 yard whenever it rains. Joe readily agrees with us that this
4 water issue is way overdue to be fixed.

5 "We have spent thousands of dollars having our yard
6 regraded, basement repaired, new sump pumps, backup sump
7 pumps, cameras put into drains, new tile and drains, new
8 drainage lines, gutters redirected and the list goes on. As
9 residents of Ottawa County, we strongly feel this drain
10 problem needs to be fixed. However, we have more than paid
11 for this problem and should not be responsible for financing
12 the solution.

13 "Please do not hesitate to contact us with any
14 questions you may have."

15 And it's signed Don and Mindy Mills.

16 BOARD CHAIRMAN BILL CARGO: Thank you, Glenn.

17 And so we're going to first of all just have some
18 discussion here in the open -- Ken, what are some of your
19 thoughts on this after you've heard the comments and looking
20 through the materials?

21 BOARD MEMBER KEN SOUTER: Well there is no question
22 about the people that don't have a problem are up on top of
23 the hill. The people that do have the problem are on the
24 bottom.

25 I have mixed emotions about the responsibility. I

1 mean people are -- you would assume that subdivisions of this
2 day and age, and this isn't that old, would be designed so
3 that they drain properly, that they don't cause everybody
4 problems. I see that the outlets need to be fixed so that
5 they don't.

6 I don't know how to go about -- on the paying.

7 These are all new homes in here. I understand the
8 situation of the people that live in the area, but the
9 problem needs to be fixed. And people cannot end up having
10 problems with their health, with mold, with flooding, that's
11 got to be fixed somehow.

12 How that goes about? I guess we need to discuss.

13 BOARD SECRETARY GLENN NYKAMP: I agree. Nobody
14 should have to -- this is more than one person, and none of
15 those people should have to put up with what they're putting
16 up with at this point. Whether it's how it's built or what
17 happened to it since, the size of tiles and we talked
18 about -- I think one of the biggest issues of all is the
19 people that have health issues, that's the main thing.

20 And I think it not only needs to be fixed, but I
21 think it needs to be fixed quite rapidly.

22 BOARD CHAIRMAN BILL CARGO: I agree too. The Board
23 of Determination, really our purview is simply to decide
24 whether there is a problem or not and whether it should be
25 something that the drain commissioner solves. We do not have

1 the authority to tell him how to solve it. In other words I
2 can't tell him I think that the size of the drains need to be
3 increased from 30 inches to 40 inches, or a different type of
4 control devices need to be put in there. We can't do that as
5 a Board of Determination.

6 The other thing we can't do is we cannot determine
7 what the assessments are going to be because we don't even
8 know what the solution is.

9 Our determination, what this Board determines is
10 whether there is a problem that needs a public solution for
11 this public drain, and that's the scope of what our decision
12 is going to be.

13 That said, I agree that obviously there is a
14 problem, it's limited in the area. Many of the people who
15 are at higher elevations have no issues; but as everybody
16 here knows, water flows downhill and the people who are at
17 the end of this drain seem to have significant issues.

18 That said, do I have a motion that the drain is
19 deemed necessary, or not necessary?

20 BOARD MEMBER KEN SOUTER: I'll make a motion that
21 the drain is deemed necessary.

22 BOARD SECRETARY GLENN NYKAMP: I'll support that.

23 BOARD CHAIRMAN BILL CARGO: We have a motion on the
24 floor from Ken and seconded by Glenn that the drain is deemed
25 necessary. And so I will call for a vote at this time.

1 All in favor, say aye.

2 BOARD SECRETARY GLENN NYKAMP: Aye.

3 BOARD CHAIRMAN BILL CARGO: Aye.

4 BOARD MEMBER KEN SOUTER: Aye.

5 BOARD CHAIRMAN BILL CARGO: And that then passes.

6 Then if the project is deemed necessary, which it

7 has been, now the scope of the project will be determined by

8 the drain commissioner. I also need to have a motion that

9 the drain is necessary for the protection of public health in

10 Georgetown Charter Township and that a portion of the costs

11 will be apportioned to the municipality at large.

12 BOARD SECRETARY GLENN NYKAMP: So moved.

13 BOARD CHAIRMAN BILL CARGO: Glenn made that a

14 motion.

15 BOARD MEMBER KEN SOUTER: I'll support.

16 BOARD CHAIRMAN BILL CARGO: Ken has seconded that

17 motion.

18 What this will do is simply say that Georgetown

19 Township will pay for the amount that it is required to under

20 state law, which is a minimal amount -- not a minimal amount

21 but a set amount.

22 That amount can be increased based on conversations

23 between the drain commissioner and the township. And that

24 does happen on a regular basis in other townships, so I'm

25 sure they will have a discussion on that.

1 So I'll make a call for the vote on that motion.
2 All in favor, say aye.

3 BOARD SECRETARY GLENN NYKAMP: Aye.

4 BOARD CHAIRMAN BILL CARGO: Aye.

5 BOARD MEMBER KEN SOUTER: Aye.

6 BOARD CHAIRMAN BILL CARGO: And then again, that
7 motion passes without objection.

8 The final motion is the fact that we are dealing
9 with boundaries that are -- that we expect to be fairly
10 accurate, but they could need to be adjusted slightly during
11 the scope of this project.

12 And so do I have a motion that the drainage
13 district boundary be adjusted as necessary and lands be added
14 and deleted as determined by the water recourses commissioner
15 as recommended by the engineer?

16 BOARD MEMBER KEN SOUTER: So moved.

17 BOARD SECRETARY GLENN NYKAMP: Support.

18 BOARD CHAIRMAN BILL CARGO: That motion is made by
19 Ken and supported by Glenn.

20 Again, I don't think there is any discussion,
21 that's pretty basic. So all in favor, say aye.

22 BOARD SECRETARY GLENN NYKAMP: Aye.

23 BOARD CHAIRMAN BILL CARGO: Aye.

24 BOARD MEMBER KEN SOUTER: Aye.

25 BOARD CHAIRMAN BILL CARGO: So that also then is

1 approved.

2 What we have done today is we've said there is a
3 problem here and this problem needs to be solved through a
4 public project. And that the cost of this public project, at
5 least a portion of this cost of the public project will be
6 assessed to the various municipal units at large, and that
7 for the most part will be Georgetown Charter Township.

8 Joe, do you want to talk about the appeal process,
9 and anything at this stage, make some closing comments before
10 we close this public hearing?

11 WATER RESOURCES COMM. JOE BUSH: Yeah, thanks, Mr.
12 Chairman.

13 So the process after this, we're going to go back
14 to the engineering firm Prein & Newhof and have Dana look at,
15 pickup some more elevation shots and see what possible
16 solutions there is.

17 When you talk about costs, the road commission will
18 pay a cost of this too, because of the road right-of-way; the
19 county will pay a percentage of cost; and then again the
20 township, you heard the motion. And I'll have that
21 discussion with the township on how much will I assess them,
22 and how much are they willing to -- they can appeal it, their
23 process, they can appeal just like you guys can, if there is
24 a special assessment.

25 You guys will be fully aware of the assessment and

1 the cost at some point down the road.

2 That isn't known, we don't know what that is yet.
3 But if there is a cost to the people, you guys will be
4 notified, and I'll notify you of the costs at that time.

5 So right now we don't have a project, we don't know
6 what it is, we know we got to fix it, we know there is a
7 problem, and your township stepped up and petitioned me so we
8 can move forward.

9 So that's why -- don't think the petition means
10 that's not your problem, when we petition, we're here to help
11 you as a township and the county and the road commission
12 because we know there is a problem. We're going to
13 contribute to the costs, and I'll determine that at a later
14 date and figure out as discussions with the township and the
15 Board what that percent will be.

16 Again I appreciate you taking the time to come and
17 listen and figure out the process, and know more about what
18 your water resources commissioner or drain commissioner done
19 as why I'm elected.

20 So thank you.

21 BOARD CHAIRMAN BILL CARGO: And with that, without
22 objection, we will adjourn this public hearing.

23 Thank you.

24 (Board of Determination Hearing concluded at 11:04 a.m.)

25

<hr/> \$ <hr/>	30-inch 13:17 29:9 33:7,13	<hr/> 9 <hr/>	age 43:2	approximatel y 19:9
\$20,000 33:21	365 35:14	900 40:13	agree 31:17 43:13,22 44:13	area 2:23 10:3,5 11:17 12:1,19 14:17, 19,24,25 15:5, 19,25 16:1,3 17:7,8,9,16,22 18:5,16 21:1, 6,7 28:2,12 30:1 34:24 35:7,18 43:8 44:14
\$21,000 22:8	36th 27:3	<hr/> A <hr/>	agrees 42:3	areas 10:24 12:18 14:3,20 18:6,9,10 20:19
\$5,000 4:9	3807 34:21		ahead 2:5 5:21 41:4	arrows 23:21 33:3 34:13
<hr/> 1 <hr/>	3816 19:15	a.m. 2:2 48:24	Albright 20:23 38:25 39:1,10	assess 47:21
10 2:5	3830 23:17	abut 39:21	algae 31:7	assessed 24:20,23 47:6
100 34:13	3865 31:2,16	Acadia 12:8, 20 13:17 14:15,18 15:23 19:15 20:24 23:17 25:8 32:2,10 34:22 36:7,8	allowed 4:9 20:6	assessing 31:12
10:00 2:2	3866 36:7	Acadia 12:8, 20 13:17 14:15,18 15:23 19:15 20:24 23:17 25:8 32:2,10 34:22 36:7,8	Alward 17:12 20:3 36:9 40:6	assessment 24:10 47:24, 25
11:04 48:24	3867 32:2	<hr/> 4 <hr/>	amount 9:3 11:11 20:9 21:18,22 22:9, 12,13 25:1 45:19,20,21, 22	assessments 44:7
15 23:23 24:13 29:13,23 32:20 41:13	3880 37:4	<hr/> 5 <hr/>	Andy 37:3 39:18,22	assistant 6:15 9:20,24, 25 29:18
16 29:14	<hr/> 40 44:3 <hr/>	acres 18:17, 18	anticipate 27:20	assume 43:1
18-inch 33:5, 8	433 11:20	act 2:18	anymore 38:23	assumed 25:17
<hr/> 2 <hr/>	<hr/> 5,000 4:14 <hr/>	add 14:5 38:1	appeal 47:8, 22,23	attached 41:20
20 28:1	50 18:18	added 13:22 25:15 46:13	appoint 5:15	authority 44:1
2001 11:16,20	<hr/> 6 <hr/>	address 4:23 7:4 12:13 19:7 28:18 30:20 31:15 41:9	appointed 7:11	avoided 37:20
2003 12:16 22:17	6 3:6 33:16	adding 21:20	apportioned 45:11	aware 47:25
2005 11:17	60 18:17	addition 26:12	approval 29:16,19	aye 8:2,3,4,5, 14,15,16,17 9:13,14,15,16 45:1,2,3,4 46:2,3,4,5,21,
2009 19:22 26:9 27:5	60-year-old 24:12	additional 11:19 13:21 16:19 18:11	appreciated 19:10	
2010 26:11	6884 25:7	address 4:23 7:4 12:13 19:7 28:18 30:20 31:15 41:9	approve 24:22	
2012 2:14	6957 41:9,12	adds 4:20	approved 8:7 9:18 11:19 24:2 29:11,23 30:4 36:22 47:1	
2013 12:17 34:25 38:18 41:20	<hr/> 7 <hr/>	adjacent 19:15		
2015 32:5,7	7 3:6	adjourn 48:22		
2017 2:2 12:16	7035 26:4	adjusted 46:10,13		
21 2:2	7041 28:9,20	aerial 12:10		
28 32:18	7117 28:24 30:21	affiliation 5:11		
<hr/> 3 <hr/>	7131 27:3			
30 12:15 44:3				

22,23,24	42:6	black 2:23 4:5 5:13	breeding 22:21	39:3,10,14,17
<hr/> B <hr/>	basements 10:3 21:15 37:6	blank 4:15	Brian 36:6	Cargo 6:1
B-u-e-r 34:21	basic 46:21	board 2:6 4:17,21 5:13 6:7,8 7:11,16, 17,18,19,22, 24,25 8:3,4,5, 6,8,9,10,12, 13,15,16,17, 18 9:9,10,14, 15,16,17 10:7, 8,10 12:11 16:17 17:5,18 18:3,24,25 19:1,2,20 20:20 23:12 24:17,18 26:1, 25 27:25 28:6, 18,21 29:17 30:3,8,11,19, 23,24 31:14, 19,22 34:19 36:5,25 37:22 38:3,6 40:19, 25 41:4,5,8 42:16,21 43:13,22 44:5, 9,20,22,23 45:2,3,4,5,12, 13,15,16 46:3, 4,5,6,16,17, 18,22,23,24, 25 48:15,21, 24	bring 33:13 40:20	7:17,19,23,25 8:1,4,6,8,12, 16,18 9:10,15, 17 10:10 18:25 19:2,20 20:20 23:12 24:17 26:1,25 27:25 28:6,18, 21 29:17 30:3, 8,11,24 31:14, 19,22 34:19 36:5,25 37:22 38:3,6 40:19, 25 41:5 42:16 43:22 44:23 45:3,5,13,16 46:4,6,18,23, 25 48:21
back 2:14 3:21 6:21 10:6 12:6 14:3,15, 25 15:23 17:24 19:19 20:8,10 21:17 23:24 26:6,13, 17,19 28:22 30:4 31:4,25 32:25 33:6,11 34:19,20 37:1, 9,14 38:19 41:21 42:2 47:13	basically 35:12	boats 21:8	brought 36:4	case 29:25 35:6
backfill 35:9	basin 35:7,12 36:3	BODS 6:8	brush 40:18	catastrophic 36:11
backing 14:25	basins 15:8	bone 23:4	budgets 5:19	cattails 40:3, 18
backs 24:15	basis 45:24	bottom 33:16 40:7 42:24	Buer 34:21	caught 13:6
backup 25:15 26:8,10 27:8 28:11 29:2 32:16,24 33:11 37:13 42:6	battery 25:15 32:24	bought 21:5 32:14 38:10	building 35:19,24	center 22:25 26:17
backyard 19:25 21:12 25:18 30:14 32:16 33:4 36:9 38:16 41:15,19	began 11:21	boundaries 46:9	buildup 15:13	centered 14:21,23 17:14
bad 22:14 26:23 37:6	beginning 21:2	boundary 10:20 11:23, 24 12:4 18:22 39:22 46:13	built 11:17 16:1 21:15,17 22:17 34:24 36:1 43:16	chair 7:1 38:4
bank 20:8 40:9	behalf 34:1	boys 27:16	Burd 6:16 10:17 17:11, 21 18:8	chairman 7:23 8:8,12, 16,18 9:10,15, 17 10:10 18:25 19:2,20 20:20 23:12 24:17 26:1,25 27:25 28:6,18, 21 29:17 30:3, 8,11,24 31:14, 19,22 34:19 36:5,25 37:22 38:3,6 40:19, 25 42:16 43:22 44:23 45:3,5,13,16 46:4,6,18,23, 25 47:12
barely 28:1	Ben 32:1		bus 36:17	
base 20:1	bidding 16:24		Bush 2:4,12 38:4,7 39:20, 24 40:22 41:25 47:11	
based 4:18 33:2,3 45:22	big 12:17 13:8,25 22:11 23:6 33:13 38:23		Bush's 10:5	
basement 20:16 22:3 26:10 28:13 32:21 33:16 34:5 35:4 37:12 41:14	biggest 43:18		<hr/> C <hr/>	
	Bill 6:1 7:17, 19,23,25 8:4, 6,8,12,16,18 9:10,15,17 10:10 18:25 19:2,20 20:20 23:12 24:17 26:1,25 27:25 28:6,18,21 29:17 30:3,8, 11,24 31:14, 19,22 34:19 36:5,25 37:22 38:3,6 40:19, 25 41:5 42:16 43:22 44:23 45:3,5,13,16 46:4,6,18,23, 25 48:21		calculations 13:24	
	Birch 15:20		call 5:4 13:13 44:25 46:1	
	bit 11:2 17:21 20:18 26:16		called 17:12 18:14 27:19 39:10,13	
			calling 11:23	
			calls 10:2	
			cameras 42:7	
			cancel 34:3	
			capacity 14:5	
			care 28:15	

48:21	comments 8:25 9:7,12,23 19:5,12 41:1,2 42:19 47:9	constantly 20:16	38:24	Dehondt 31:2,16,21
chairperson 7:20,21 8:1	commission 2:13 5:17 6:4, 20 10:4 20:7 37:25 41:22 47:17 48:11	construction 16:24 35:20	court 4:25 5:1,23 25:8,9, 19 31:3 37:4	deleted 46:14
chance 2:10	commissioner 2:13 7:12 24:25 40:15 41:18 43:25 45:8,23 46:14 48:18	contact 20:2 42:13	covers 34:23	demolition 34:4
change 30:6 36:20,21 37:20	community 23:7,9	contacted 3:20 22:15,19	created 22:6	Denise 19:14, 21
changed 2:14 13:21 29:21	company 34:3,6	continues 42:1	creating 3:19	department 6:5 22:16,20
Chapter 11:9	complaint 4:24 10:2 17:14	continuously 21:22	cul-de-sac 37:15	depending 4:2 27:21
CHARIMAN 41:5	complaints 10:5,22 14:21	contractors 40:9	current 6:1 29:23	design 13:23 16:20 18:10, 16,22,23
Charter 45:10 47:7	completely 33:12	contribute 25:4 48:13	<hr/> D <hr/>	designated 7:14
checkbook 4:15	computer 5:3 6:14	control 12:2 23:1 44:4	damage 33:21	designed 15:24,25 43:2
checked 33:14	concern 2:22 4:24 5:7 6:17 20:13 22:15 30:16 31:23 36:23	conversation s 45:22	Dana 6:16 10:17 17:11, 21 18:8 19:4 33:4 47:14	desire 21:24
chemotherapy y 23:3	concerned 14:4 23:22 27:22	Cooper 28:8, 9,20	date 48:14	detail 4:7
child 31:9	concerns 22:11 23:6 29:7 33:22 34:7,12	copy 5:4	day 16:24 29:6 43:2	detention 12:7 18:21
clarify 40:17	concluded 48:24	corner 20:24 25:8,18 26:6	days 11:1 34:5 35:14	determinatio n 2:6 6:9 7:11 8:9,13 10:8 16:17 24:19 43:23 44:5,9 48:24
clay 17:19,21 25:12 27:11 28:12 29:5 30:9,13 32:15 33:2 37:13	conclusion 40:21	correct 29:20	daytime 3:7	determine 6:10 7:12 16:12,20 25:1 35:19 44:6 48:13
cleanup 37:16	connected 5:16	correctly 35:24	deal 34:5	determined 45:7 46:14
clear 20:12	considered 18:9,23 29:10	cost 4:14,21 6:10 16:25 24:4,23 27:23 29:8 34:12 47:4,5,18,19 48:1,3	dealing 46:8	determines 44:9
close 47:10		costs 24:20 45:10 47:17 48:4,13	Deb 38:25 39:9	developed 11:16 18:9,22
closing 47:9		county 2:13 7:12,15 11:10 12:16 21:25 39:6 41:23 42:9 47:19 48:11	Debbie 23:18	developer 24:1 39:3
code 4:9,18 5:18 6:6 11:10		couple 12:14, 18 26:22 28:24 32:19	Debora 20:23	developers 41:22
codes 35:19, 24 36:20			December 34:25	development 11:19,21,22 13:22 21:10,
Cole 32:8			decide 43:23	
COMM 2:4 38:4,7 39:20, 24 40:22 47:11			decided 10:7	
comment 4:23 8:20 9:5			decision 4:18 16:17 44:11	
			deemed 16:18,19 17:1 24:18 27:24 28:14 44:19, 21,24 45:6	

14 34:25 36:22 37:8	14 11:7,9,10, 20,24 17:12 18:15,19 19:25 20:3,7 21:20 24:12, 25 25:18 26:6, 7,13 27:6 31:4,8 33:3,7, 13 36:9,11,14 40:6,7,10 41:18 42:9 43:3,25 44:11, 17,18,21,24 45:8,9,23 48:18	duties 7:10	37:7 47:14	
development s 18:11		<hr/> E <hr/>	engineers 20:2	<hr/> F <hr/>
develops 13:5		e-mail 5:5	entire 19:18 21:15 30:1	fact 9:3 35:10 46:8
devices 44:4		early 30:13	erosion 20:4 40:12	failed 25:14 32:24
die 40:3		easement 19:17 39:9,25	escape 16:2	failure 24:5, 11,16
directly 27:6		easements 16:22 39:25	escapes 17:14,15	fairly 13:25 17:11 46:9
discharge 7:10		easily 15:12	established 11:20	faithfully 7:9
discuss 10:6 11:13 29:15 32:8,14 40:23 43:12	drainage 5:18 6:5 7:13 10:14 12:2 14:6 15:7 19:17 20:18 21:21 22:22 23:10,19 28:2, 16 34:24 35:6, 15 36:3 37:16 42:8 46:12	east 26:4,18	establishes 35:25	fall 27:21
discussing 26:16		ECK 27:2 28:5	event 12:17 36:11	family 22:6 41:13
discussion 31:5 42:18 45:25 46:20 47:21	draining 13:7 14:22 27:11 28:3	Ed 23:16	events 13:25 14:1	favor 8:1,14 9:13 37:18 45:1 46:2,21
discussions 48:14	drains 12:1 15:9,19 17:24 18:2 20:11,13 22:12 29:6 33:5,6,8 35:11 40:14 42:7 44:2	edge 13:3	everyone's 34:11	favorite 36:17
Disease 23:1	drive 12:8,9, 20 13:18 14:12,15,18 15:24 20:24 23:17 26:4,5 27:3 28:9,20 34:22 36:7 41:10,12	efficiently 27:12	exact 33:22	feedback 3:7
district 2:24 3:23 10:14,20 28:2,3 46:13	drawing 14:7	elect 7:21 8:9, 10,13	Excel 37:7	feel 26:22,23 29:12,13 31:1 33:23 37:6,8, 21 42:9
divided 18:14	Drive 12:8,9, 20 13:18 14:12,15,18 15:24 20:24 23:17 26:4,5 27:3 28:9,20 34:22 36:7 41:10,12	elected 2:14 48:19	exist 10:14	feet 21:16 38:18
documentati on 23:2	dry 25:23 31:6	electing 7:20 8:1	expanded 35:18	figure 48:14, 17
documents 22:25	due 17:25 20:4,9 22:5,23 23:4 34:13 35:15	elevation 35:10 47:15	expect 27:20 30:13 46:9	file 11:3 12:3, 14,15,16,21, 25 13:5,19 14:21 15:12, 15 16:4 17:14
dollars 42:5	duration 26:21	elevations 35:25 44:15	expected 27:13,19	files 10:21
Don 42:15		emergency 13:14 15:25	expense 22:7	fill 13:9 40:12
door 32:7		emotions 42:25	experienced 25:16	filled 13:1 22:13 33:12
downhill 3:16,17 18:2 20:14 30:11 44:16		enclosed 12:5,6	experiencing 20:3 26:23 41:14	fills 12:23 14:22
downstream 17:7		end 17:3 26:4, 14,15,24 29:15 43:9 44:17	explain 9:2	final 37:1 46:8
drain 2:9,13, 23 4:8,9,10,18 5:18 6:6 7:13,		engineer 2:25 4:6 6:17 7:5 10:12,17,18 17:11,21 18:8 46:15	exposed 21:16	financing 42:11
		engineering 6:5 10:19 11:3	extended 17:25	find 12:12
			extra 14:5	fine 40:22
			extremely 29:5	

firm 47:14	front 19:11 26:7 27:7	24 22:14 23:16 28:8 32:1 35:1,5 36:6	happened 33:17,18,20 36:19 43:17	hired 10:18
fix 4:4 6:12 23:25 27:23 48:6	full 13:25 14:4 16:8 35:4	grade 14:8 33:3	happening 31:12	historically 10:4
fixed 24:8 41:24 42:4,10 43:4,9,11,20, 21	fully 47:25	grading 35:7	happy 5:4	history 11:7, 15
flood 28:13 36:13	funds 28:15	gradings 35:21,22	hard 5:4 40:14	hold 2:15 3:5
flooded 15:4 32:12,13 36:10 38:11, 12	<hr/> G <hr/>	Grand 6:2	Haven 6:2	holes 13:3
flooding 2:22 4:12 10:3 20:15 21:11 22:3 26:19 32:9 41:14 43:10	gave 2:18	gravel 17:20	hazard 23:10	home 27:8
floor 44:24	Geerlings 41:17	great 22:7	health 22:1,6, 15,16,19 23:10 24:22 31:9,10 34:7 43:10,19 45:9	homeowners 15:3 37:18
flow 26:13,15, 17 33:2 34:14	general 20:5	greatly 21:24	hear 4:13,21 5:10 11:5 16:12,16	homes 14:24 35:10,17 43:7
flows 25:19 44:16	generally 15:6	ground 16:1 17:19	heard 3:22 42:19 47:20	hook 37:21
focused 12:18	gentleman 23:15 26:22 34:20 37:1,15	grounds 22:21	hearing 2:16, 20 3:1 4:3 47:10 48:22, 24	hope 9:2
folks 15:16 27:18	gentlemen 5:10,11 7:8,15	group 14:23 41:23	heavy 29:5 30:14	Hopkins 32:1, 2
fortunate 37:12	Georgetown 2:18 5:12 6:14 7:15 9:20 10:1 11:8 29:18 40:15 45:10, 18 47:7	Grove 2:6,9, 22 7:14 11:7, 24 18:14 31:4	height 20:4	hours 32:19, 25
forward 4:3 6:11,12 16:10 48:8	girls 34:8	growth 22:18	helped 20:18 21:19 39:1	house 3:24 20:25 21:15 22:17 25:8 27:5,6,7 28:16 32:12,13 33:19 34:2 38:10,12 40:10 41:19
found 22:4 28:11 32:11 33:17	give 7:1,6 8:21 9:1 10:13 12:13 19:7 30:19	Gryzen 37:3 39:18,22	helpful 12:12	houses 12:7, 12 16:3 21:14, 17 23:23 25:19
foundation 35:10,13	glad 29:19	gutters 42:8	helping 6:8	Hudsonville 41:10,12
foundations 35:20	Glacier 12:8 14:12,15,20 20:24 26:4,5, 14 28:9,20 36:8 41:10,12	guy 6:13	hesitate 42:13	huge 21:18
free 31:1	glenn 5:25 7:18,24 8:11, 13,17 9:9,14 18:25 19:1 30:19,23 41:3, 4,8 42:16 43:13 44:22, 24 45:2,12,13 46:3,17,19,22	guys 2:17 3:2, 10 32:3 34:17 38:9 39:2 47:23,25 48:3	Hey 40:19	hundred 39:4
frequently 36:11	glenn 5:25 7:18,24 8:11, 13,17 9:9,14 18:25 19:1 30:19,23 41:3, 4,8 42:16 43:13 44:22, 24 45:2,12,13 46:3,17,19,22	<hr/> H <hr/>	Hickory 2:6,9, 22 7:14 11:7, 24 18:14 31:4	husband 27:22
frogs 27:16	good 2:4 9:1,	half 29:6	high 21:16 37:4	<hr/> I <hr/>
		halfway 21:11	higher 16:1 44:15	imagine 27:11,18
		hand 7:8 10:6 37:2	highest 35:25	impact 16:3
		happen 21:9 34:2,8 36:15 37:16 45:24	hill 26:17 42:23	impervious 17:19
			hire 4:25	

importance 3:11	insurance 34:3,6	Joe 2:4,12 3:5,24 10:4 11:11 21:19 32:4,8 34:21 38:4,7 39:20, 24 40:19,22 41:25 42:3 47:8,11	36:17 41:15, 19	32:2,10 34:21 36:7,15 37:3 39:21 43:8
important 5:7 17:22	intent 18:23	Joe's 10:19	land 12:2	lived 19:22 22:16 25:13 26:9 27:5 39:16 41:12
imposed 7:10	interest 35:16 36:3	Josh 28:23 30:2,5,9,12,21	landowners 24:5	
improve 11:10	interval 32:10	July 32:7,18, 20	lands 46:13	
improvement s 7:13	introduce 10:15	<hr/>	large 17:11 19:21 24:24 33:7 45:11 47:6	located 31:20
inches 33:17 38:24 44:3	introductions 4:7 5:21	K	lasted 26:20	logs 12:16
included 18:5	invite 3:22		Lastly 18:3	long 34:5
including 32:12	invited 3:3		laundry 3:8	looked 14:17 16:9
incorrect 33:3	involved 6:8		Laura 27:2 28:5	Lori 28:8,20
increased 44:3 45:22	issue 3:13,15 16:5 23:10,25 28:14 32:14 37:10 40:6,10 42:1,4	Keena 26:3 28:9	law 7:15 45:20	lost 20:9
incurred 27:23	issues 2:22 3:12,13 4:4, 12,14 10:6,14 12:22 13:19 14:25 15:16 17:13 21:18 22:2,6,19 24:22 28:13, 16 29:4,22 31:9,10 35:2 40:16 43:18, 19 44:15,17	keeping 20:18	lay 24:4	lot 6:7 12:5,6, 17,24 13:4,6 14:5,20,24 15:5,12,17,20, 21,24 17:13, 23,24 18:1 22:14 23:23 26:6 27:9 34:24 35:11, 12,25 37:16 38:24
indicating 13:3,9,10,18 14:9,11,12,17, 18 15:6,8,11, 13,14 17:15, 16,24 18:11, 15 21:1 36:16 40:11	<hr/>	Ken 6:3 7:16, 22 8:3,5,10,15 9:16 17:5,18 18:3,24 42:18, 21 44:20,24 45:4,15,16 46:5,16,19,24	layer 31:6	lots 35:8,21
infections 22:24 23:1,2	J	Kerkstra 37:7	leave 29:17	love 23:8,9 32:5,6 34:1, 16,17
information 16:15		kids 3:8 21:7	leaves 17:7	low 14:10,11
initial 17:4 18:16 24:11	Jasper 14:14, 20 18:13 27:3, 4 28:24 30:21 31:3 32:10 36:7 37:4	kind 5:19 10:19 11:2 12:8 15:25 25:8 26:22 27:14 28:17 29:8,12,13 30:17 34:15 37:4	left 5:25 19:13 31:24 37:1 42:2	lower 35:11
inside 34:22		kinds 22:25	legal 4:15	luckily 23:20
inspected 29:10	Jen 6:21,22	knock 32:7	length 19:18	lung 28:13
inspector 40:10	Jenison 2:1	knowing 32:13 35:16	letter 38:14 41:6	lungs 22:24
inspectors 29:13	Jerry 6:19 37:25 38:1,2	<hr/>	letting 32:4	lymphoma 23:5
installation 24:12	jet 32:17,25	L	life 22:23	<hr/>
installed 26:11	Jim 22:23		limit 4:15 9:6	M
	job 2:15 25:20	lake 21:7	limited 11:11 44:14	made 40:20 45:13 46:18
			lines 42:8	mailbox 36:18
			list 42:8	main 11:17 12:7,19 14:16
			listen 3:11 48:17	
			live 3:2,15 19:9,15 20:23 21:1 23:8,16, 17 24:10,15 25:7,12,22 26:4 27:3 28:9,23 31:17	

15:8 18:4 43:19	7:5 11:25 16:12,25 32:4, 20 34:10,18	money 11:12	36:1	<hr/> O <hr/>
maintain 11:10	meetings 41:17	morning 2:4 3:5 8:11 9:25 23:16 28:8 32:1 33:14 36:6	neighborhoods 15:24	oath 7:1,6
maintaining 18:23	member 5:13 7:16,17,18,19, 22,24,25 8:3, 4,5,6,10,15,17 9:16 17:5,18 18:3,24 42:21 44:20 45:4,15 46:5,16,24	motion 7:21, 22,25 8:9,12 9:6,10 24:22 44:18,20,23 45:8,14,17 46:1,7,8,12,18 47:20	neighbors 3:12 21:25 23:8 24:7 26:23 28:9 32:6,11 33:18	objection 46:7 48:22
maintenance 4:11 11:12 12:21 40:4	members 7:10	motions 7:2	newer 21:13	observations 11:3
major 22:15 29:1,4 32:19	men 5:15 7:1	move 4:3 6:11 19:4 27:18 41:13 48:8	Newhof 6:16 10:18 47:14	obtained 16:22,23
majority 12:18 13:16 41:15	mentioned 11:11 31:9	moved 25:13 28:11 30:13 32:5 34:25 45:12 46:16	night 3:6 33:15	occasion 13:7
make 3:14 4:16,18,23 5:9 7:2,22 9:6,22 16:17 19:12 38:14 44:20 46:1 47:9	met 29:24 37:15 41:25	moves 31:11, 18	nightmare 34:15	occasions 22:16
making 32:21	Michigan 2:1 11:9 23:9	mow 39:5,14 40:17	Nile 22:20	occur 17:2
manager 6:2, 15	middle 13:3 33:15	mowed 12:20 39:2	north 12:8,20 14:15 15:7 18:13,14 27:4 28:24 30:21 31:4 37:16	occurred 21:11
manway 20:1, 11	mile 4:9	mowing 39:17	note 17:12	October 26:9
map 11:23 12:10 14:16	Mills 38:13 41:9 42:15	mud 27:16	noted 12:14 13:19 15:12, 16 16:4	office 10:19, 21
mapped 29:14	mind 41:3	municipal 47:6	notes 16:4	official 9:6
maps 10:25	Mindy 38:13 41:9 42:15	municipality 45:11	notice 11:25 27:10	Ohlman 6:19
Marge 5:23	mine 19:21 36:23	<hr/> N <hr/>	noticed 27:9 39:2	OLMAN 38:2
marrow 23:4	minimal 45:20		notices 2:8	one's 33:6
massive 32:18	minute 5:22		notified 38:12 48:4	ongoing 42:1
materials 42:20	minutes 9:1, 2,7 38:8 40:20		notify 48:4	online 5:1,2
matter 25:16	MIOTTAWA.	naturally 27:12	numerous 32:11	open 19:5 42:18
Mattick 19:14, 21	ORG 5:1	nature 27:14	Nykamp 5:25 7:18,24 8:17 9:9,14 19:1 30:19,23 41:4, 8 43:13 44:22 45:2,12 46:3, 17,22	operate 5:19
means 24:8 48:9	missed 6:23	necessity 7:12		opinions 32:5
meant 13:9	mixed 42:25	neighborhood 11:15,16 15:6 18:8,13, 22 27:23 30:1 32:6 34:1,16		opportunity 3:23 8:21,23 37:24
medical 23:2	mold 22:4,8 34:7,9 43:10			opposed 8:6, 18 9:17
meeting 6:25	molds 22:4			original 18:23 36:22
				originally 17:25 37:7
				Ottawa 2:13 7:12 42:9
				outage 32:18

outlet 13:2 17:10,12,13	people 2:16 3:5,13,17,20, 22 4:16 12:11, 24 23:20 24:10,15 30:6 31:7 33:18,22 34:11 38:20, 21 39:21 42:22,23 43:1, 8,9,15,19 44:14,16 48:3	pickup 47:15	ponding 10:3 17:7,8 18:5,6	24:14 26:23 27:7,10,24 30:7 32:17,23 33:1 34:11 38:21 41:23 42:10,11,22, 23 43:9,24 44:10,14 47:3 48:7,10,12
outlets 43:4		picture 12:10, 19 13:12 14:14,17 15:23 33:4 38:16 41:16, 20	ponds 18:21 39:4	problems 3:17,25 23:19 24:3 26:16 29:1 43:4,10
overcoming 22:18		pictures 4:13 12:25 38:22	pool 15:22	PROCEEDIN GS 2:3
overdue 42:4		Piece 9:1	Port 6:3	process 6:6 10:9 23:22 24:6,9,11 25:3 29:16,19 36:4 41:22 47:8,13, 23 48:17
overflow 13:4,8,14 14:11 15:25	percent 28:1 34:13 48:15	pipe 12:5,6 13:25 14:4,8 16:8 29:9,10	portion 45:10 47:5	
overflows 36:11	percentage 47:19	piped 15:8	possibly 4:13	
overgrown 39:15	percolation 17:23	pitch 24:8	potential 15:11 22:20	
oversight 28:14	perform 7:9	place 29:24	potentially 16:5	
overview 10:13	performed 35:21,23	places 15:15	pots 32:15 33:12	
owners 34:23 36:3 38:11 39:3,7,16,18	permits 16:23	planning 24:5,11	pours 32:19	
<hr/> P <hr/>	person 9:7 43:14	plats 11:16	power 29:3 32:18 33:15	
paddle 21:8	personal 39:7	plot 19:21	powered 26:8	professional 10:18
paid 42:10	personally 19:22 33:25 41:18	plots 29:14	Powerpoint 10:13,24	profile 14:7
parcel 34:23	perspective 35:22	plug 40:3	Prein 6:16 10:18 47:14	project 2:7 4:2,4,19 6:10, 17,18 12:21 16:9,11,17,23 45:6,7 46:11 47:4,5 48:5
part 2:15 11:17 12:20 18:4 25:23 33:1 47:7	petition 2:16, 18,21 4:10 10:8 11:8 17:1 24:10 48:9,10	plugged 12:23 15:10 22:13	preliminary 10:19	
passed 34:12 41:16	petitioned 48:7	podium 4:22 5:9 9:22 10:15 19:6	presentation 10:13,24 17:3 29:9	properly 20:13 43:3
passes 45:5 46:7	phase 3:1,2 11:18,19,22 18:13,17	point 13:23 14:10,11 19:8 21:1 22:8 24:21 26:18 43:16 48:1	pressure 33:8	properties 5:12
past 5:16 12:23 28:25 41:12	phases 2:25 13:21 21:13	pond 11:17 12:7,19 13:2, 8,14,16,18 14:8,11,16,21 15:8 17:6,15, 17 18:16 19:16,17,23 20:5,19,25 21:2,7,14 25:22 27:15, 19 31:17,20 33:8,13 34:22 39:2,19 40:17	pretty 17:18 20:17 25:25 36:19 46:21	property 19:15 20:14 21:3,5,19 28:1 31:20 34:23 36:2 38:11 39:3,7,8,16,18
Paul 41:17	photo 12:19		previous 28:16 38:11	proposed 16:14
pay 33:23,25 45:19 47:18, 19	photos 10:25 15:18		previously 32:12	protection 45:9
payers 2:17	pick 4:18 7:1 15:9		prior 21:14 28:14	provide 10:12
paying 5:8 37:18 43:6	picked 15:7		proactive 40:13	public 2:15,19 4:23 8:20,25 9:5,6 10:16 16:12,16 19:5

41:2 44:10,11 45:9 47:4,5,10 48:22	ran 26:11	remediation 22:4,8	right-of-way 47:18	28:23 30:2,5, 9,12,21
pump 23:20 25:15 26:8 27:8 28:11 29:2 32:16,17, 24 35:14 37:12,13	rapidly 43:21	reminder 19:6	rise 7:8 21:16	safety 22:1
pumps 33:10 42:6,7	rare 36:19	removal 20:18	rising 22:19	sand 25:13 27:13 30:12, 13 35:9
purchased 21:3	read 3:14 38:14,15 41:8	remove 22:9	River 15:20	school 36:17
purpose 16:11	readily 42:3	repair 28:16	road 5:17 6:4, 19 12:5 13:11, 13 14:7,10 16:8 26:7 37:25 41:22 47:17,18 48:1, 11	scope 35:18 44:11 45:7 46:11
purview 43:23	realized 25:12	repaired 42:6	roads 21:4	screen 11:6
pushed 37:8	rear 14:14,19, 23 15:19	reporter 5:1, 23	rocks 20:8 40:8	seconded 44:24 45:16
put 10:7 21:5 24:15 28:12 31:8 42:7 43:15 44:4	reason 2:21 39:25	reports 12:15	Rod 6:14 9:24, 25 11:8	secretary 2:11 6:21 7:2, 20 8:9,11,13 9:9,14 19:1 30:19,23 41:4, 8 43:13 44:22 45:2,12 46:3, 17,22
putting 21:13 31:7 40:8 43:15	reasons 11:13 17:24	represent 4:17	room 30:25 31:24 33:23	section 19:13
<hr/> Q <hr/>	receiving 25:1	represents 11:25	round 21:22	send 5:4
question 42:21	recent 41:25	required 7:15 45:19	route 13:14	sensitive 24:7
questions 7:4 17:4 29:8, 15 42:14	recently 11:9 12:20 39:2	residents 42:9	row 8:22 19:11 25:6 26:2 28:22 31:25 34:19, 20	separate 18:14
quick 40:7	recommende d 46:15	resolve 16:10	rule 31:10	September 2:2 41:20
quickly 40:12	reconstructio n 21:20	resources 2:4,12 7:11 10:4 38:4,7 39:20,24 40:22 47:11 48:18	rules 8:20 9:5	set 19:1 45:21
<hr/> R <hr/>	record 10:22 11:21 24:18	responsibility 41:24 42:25	run 6:25 7:5 19:25 21:21 26:8 29:2 37:12	sewer 13:16, 17
rain 12:17 13:25 25:24 26:20 27:9,21 29:4 36:11 38:23	recorded 4:25	responsible 42:11	running 5:20 27:9 40:7	share 5:9 33:21 34:11
rains 30:15 32:21 42:3	recourses 46:14	responsive 20:7	runs 3:16 13:17,25 18:15 19:17 20:16 30:11 35:14	Sheldon 6:3
raise 7:8	redirected 42:8	review 10:20, 21 16:24,25 35:1	rush 15:11	short 10:24
	referred 10:4	reviewed 11:18 12:4,15 13:23 16:15 18:19	rushing 33:7	shots 47:15
	regraded 42:6	revised 18:19	<hr/> S <hr/>	show 13:15 15:18 34:13
	regular 32:16 45:24	rid 37:17	Saagman	showed 17:5, 6 33:4
	reinforce 20:8	right-hand 26:2		shows 11:23 12:10 14:7 39:22
	related 22:6, 24 23:4			
	relating 25:16			
	relation 19:9			

sic 26:3	soil 20:3,9 22:5,23 23:4 27:11,14	stagnant 31:6	2:23 18:4 19:9 41:14	sweet 32:22
side 8:22,23 20:3 26:2 27:4 28:24 30:22, 25 31:24 36:8, 13,14 37:2,4, 17	solemnly 7:9	standards 13:21 18:20 29:21,23,24 30:3,6 36:20, 22	subdivisions 18:4,6 43:1	swell 20:6
sidewalk 19:23	solution 42:12 44:8,10	standing 22:12 29:5 30:14	subsequently 11:18	sympathize 30:6
sign 2:10	solutions 16:14 42:2 47:16	standpoint 24:9	substantial 27:17	system 12:5 13:20,22 22:22
signed 42:15	solve 44:1	starts 5:21 7:19 9:19 19:11	sufficient 29:25	<hr/> T <hr/>
significant 20:9 27:15 44:17	solved 47:3	started 2:5 22:18 34:4	summary 9:1	table 9:11
signing 6:22	solves 43:25	starts 26:17	sump 20:16 23:20 25:14, 15 26:7,8,10 27:8 28:11 29:2 32:16,17, 24 33:10 35:14 37:12, 13 42:6	takes 13:16 34:5
Siler 23:16	son 22:23	state 4:23 25:21 45:20	sumps 21:21	taking 3:4,10 35:2 48:16
similar 35:17	Souter 6:3 7:16,22 8:3,5, 10,15 9:16 17:5,18 18:3, 24 42:21 44:20 45:4,15 46:5,16,24	stated 13:6	Superintenda nt 9:25	talk 2:25 4:1 14:2,13,19 29:18,19 41:6 47:8,17
simply 7:20 43:23 45:18	south 12:8 15:7 36:8	statute 11:11	superintende nt 9:20,24 29:18	talked 15:2 43:17
site 10:23,25 11:4 12:3,4 15:2,4,18	speak 7:3 8:24 11:2 12:13,24 15:16 31:25 37:24 41:3	steep 18:1	supervisor 5:16,17 6:1	talking 12:11 14:16 17:19 24:12,13
sitting 41:19	special 47:24	step 16:16 33:16	support 7:24 8:1 22:23 44:22 45:15 46:17	Tanya 31:2, 16,21 37:14
situation 35:17 43:8	specifics 15:17	stepped 33:16 48:7	supper 3:8	tax 2:17
sixth 15:3	spend 4:9	steps 16:11	support 7:24 8:1 22:23 44:22 45:15 46:17	taxpayers 4:16,21
size 43:17 44:2	spent 11:12 42:5	sticks 13:2	supported 46:19	ten 23:24
skipping 18:1	spill 13:10,12	storage 18:12	supposed 18:7 31:19	terms 16:20
slightly 46:10	spoke 28:25	storm 12:5,6 13:15,17,20 14:8 16:8 26:20 28:16	surface 15:10	testimony 4:13,19
slope 15:5,21 17:25 30:16	sports 3:8	story 32:13 35:4	surprise 32:11	thankful 34:17
slopes 15:6	spot 17:9	stream 19:18 20:4,5,10	surrounding 12:2 18:10 29:7	Thankfully 20:15
slow 18:7	spring 20:6, 16 25:24 29:2 40:2,3	street 19:16 20:11,14 23:17 36:13, 14,15,18	survey 16:20	thaw 25:24
small 29:10 40:15	stabilize 40:9	strongly 42:9	swear 7:9	thick 31:6
smaller 29:10 33:6	staff 40:15	structure 13:2,8		Thiel 26:3
Smit 25:7	stage 19:4 37:23 47:9	subdivision		thing 14:3 30:17 34:7 35:1,5 40:4,7 43:19 44:6
snow 20:12				
so-called 25:22				

<p>things 12:14 21:8,20 24:8, 17 36:21 37:5, 20</p> <p>thought 25:11</p> <p>thoughts 42:19</p> <p>thousand 40:14</p> <p>thousands 42:5</p> <p>three-panel 4:17,21</p> <p>throw 23:20</p> <p>Tibbe 34:24 35:10,17</p> <p>tile 42:7</p> <p>tiles 21:20 43:17</p> <p>Tim 25:7</p> <p>time 3:4,9,10, 25 4:4,22 9:4 13:23 15:3 18:20 19:3 21:3,5,18 23:12 26:12 32:21 35:2 36:17 37:13 38:9 40:2 44:25 48:4,16</p> <p>times 3:21 15:24 19:23 21:11 22:3,4, 10 33:18,19 36:10,16 38:11,25 42:1</p> <p>today 3:14,18 4:1,3,8 6:10 11:13 16:12 29:22 31:5 32:8 38:9,13 41:21 47:2</p> <p>told 39:16</p> <p>top 13:4 40:6 42:22</p> <p>topic 35:15</p>	<p>township 2:17,18 5:12, 13,16,20 6:1, 2,4,14 7:14 9:19,20 10:1, 6,7 11:9 21:25 23:25 24:2,9, 20,23 25:3 28:15 29:12 30:17 34:17 39:7,13 40:16 45:10,19,23 47:7,20,21 48:7,11,14</p> <p>townships 5:19 45:24</p> <p>transcript 5:24</p> <p>transparency 5:6</p> <p>transparent 5:6</p> <p>transplant 23:4</p> <p>trap 14:3</p> <p>Tree 15:20</p> <p>trouble 13:7 14:22 15:14</p> <p>type 21:6,7 39:4 44:3</p> <p>types 23:1</p> <hr/> <p style="text-align: center;">U</p> <hr/> <p>understand 4:16 5:18,19 10:11 25:2 29:20,22 30:10,16 31:22 32:15 33:1,25 36:20 38:10,20 43:7</p> <p>understandin g 12:21 13:24 14:24</p> <p>understands 6:5</p>	<p>units 47:6</p> <p>updated 11:21</p> <p>uphill 3:16 33:2</p> <p>upstream 14:12</p> <hr/> <p style="text-align: center;">V</p> <hr/> <p>VAN 27:2 28:5</p> <p>Vaneck 27:2</p> <p>vegetation 13:5 20:17 22:13,14</p> <p>view 30:17</p> <p>violated 35:20</p> <p>violates 35:24</p> <p>voice 32:4</p> <p>vote 44:25 46:1</p> <p>votes 24:19</p> <hr/> <p style="text-align: center;">W</p> <hr/> <p>walk 11:6</p> <p>walkout 35:5</p> <p>wall 21:17</p> <p>wanted 13:15 15:17 25:2,21 40:17</p> <p>War 9:1</p> <p>watched 21:10</p> <p>water 2:4,12 3:16 7:11 10:3,4 13:1,7, 16,22 14:2,25 15:10,11,13, 21 16:2,6,7 17:6,14,15,23 18:1,7 21:16, 18,23 22:2,5,</p>	<p>9,12,18,24 23:4 25:14,18, 19 26:8,10,13, 15 27:8,15,19 29:1,4,6 30:11,14 31:11,17,18 32:16,22,25 33:2,7,9,11, 12,17 34:13 35:11 37:6,17 38:4,7,19,24 39:20,24 40:22 42:2,4 44:16 46:14 47:11 48:18</p> <p>watershed 2:24 4:5 11:25</p> <p>waves 36:18</p> <p>ways 36:12</p> <p>weeks 5:2</p> <p>Weersing 6:14 9:24,25</p> <p>welfare 24:22</p> <p>west 13:13 18:15 22:20 23:9 27:3</p> <p>wet 25:24,25 37:11</p> <p>White 36:6,7</p> <p>wife 32:7,21</p> <p>winters 20:12</p> <p>word 5:5,23, 24</p> <p>words 38:5 44:1</p> <p>work 3:7 16:19 20:13 21:24 27:12</p> <p>worked 33:10</p> <p>working 40:16</p> <p>works 5:20 6:6 33:11</p> <p>worth 33:21</p>	<p>writing 41:11</p> <p>wrong 29:21</p> <hr/> <p style="text-align: center;">Y</p> <hr/> <p>yard 14:20,23 15:1,19 19:18 20:1 25:18 26:19 33:7 36:12 38:19 42:3,5</p> <p>yards 3:21 12:6 14:14 17:24</p> <p>year 4:10 21:22 25:14 28:10 32:18 35:14 40:4</p> <p>years 6:5 21:10 23:3,23 24:13 25:13 29:14,24 30:13 39:16 41:13,15,21, 25</p> <p>Yosemite 25:7,9,19</p> <hr/> <p style="text-align: center;">Z</p> <hr/> <p>Zeeland 6:1</p>
--	---	---	--	---