

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: SEVEY DRAIN
BOARD OF DETERMINATION

Proceedings commenced at 10:00 a.m., on Tuesday, July 27, 2021, at the Ceglarek Fine Arts Center, Allendale High School, Allendale, Michigan, held before Marjorie A. Covey, CSR-2616, RPR, Certified Shorthand Reporter and Notary Public.

APPEARANCES:

- Mr. Joe Bush, Ottawa County Water Resources Commissioner
- Mr. Josiah Timmermans, Chief Deputy to Water Resources Comm.
- Ms. Sara Hirts, Secretary

- Mr. Rich VanderKlok, Board Chairman
- Mr. Ken Souter, Board Secretary
- Mr. Larry Bruursema, Board Member

- Mr. Dan Fredricks, P.E., LRE
- Ms. Megan Connelly, P.E. LRE

- Mr. Jerry Olman, Ottawa County Road Commission

1 Allendale, Michigan

2 July 27, 2021 - 10:00 a.m.

3 PROCEEDINGS

4 WATER RESOURCES COMM. JOE BUSH: Well good morning,
5 everyone. Can everybody hear me okay? Hopefully it's not
6 too loud.

7 I'm Joe Bush, the Ottawa County Water Resources
8 Commissioner, also known as the drain commissioner. We
9 changed the name back in 2013 when I got elected, same
10 department, same staff, as far as what we do, and again, we
11 just changed the name.

12 This is one function of my job duties is to hold a
13 public hearing or a Board of Determination so we do
14 appreciate you coming.

15 We'll go ahead and get this public hearing started
16 on the Sevey Drain. Again, I appreciate your time coming
17 this morning.

18 A lot of people ask why do you have it in the
19 morning and afternoons and not at night. This is actually a
20 legal public hearing according to Drain Code so it is state
21 law I have to hold these.

22 Typically at night they don't work so well, I'll
23 get more pushback and yelling at at night because I interrupt
24 the people's schedules at night, supper time, sports. And
25 again it's a legal thing that I have to do according to Drain

1 Code, which is state law.

2 So this is why you're here because I got a petition
3 from Allendale Township. A petition means that there was a
4 request put in to add a branch or add some drains or do
5 maintenance on the drain known as the Sevey.

6 So we're here today because in the township
7 petition there is a request from numerous property owners to
8 the east of the Sevey Drain, and everybody got a map.

9 Any time you add lands, make a district bigger, add
10 drains, I have to hold a public hearing like we're doing
11 today, a Board of Determination.

12 The other reason we have a petition, not today, but
13 typically is if you -- I'm only allowed to spend \$5,000 per
14 mile, per year, per drain. I have about 1100, 1200 drains
15 right now in Ottawa County. I'm only allowed to spend, like
16 I said, \$5,000 per mile, per drain, per year. So \$5,000 in
17 2021 doesn't get you very far.

18 But that's not why we have a petition today. It's
19 because there has been a request to add some properties to
20 the said Sevey Drain.

21 So to do that, again I have to hold a public
22 hearing. We picked today in this location, we weren't sure,
23 there is a big drain district if you look at your map. It's
24 a big watershed. A drain district is a watershed.

25 I'm thinking, boy, how many people, will we have

1 10, 20, a hundred? I've had them where 500 people showed up.

2 So you never know, so thanks to Allendale for
3 having us here. I wasn't sure if the township would hold
4 enough people, but obviously we could have made it. But
5 again, we're here today so thank you.

6 So the process of having a Board of Determination,
7 I have to pick a three-panel board. That three-panel board
8 has nothing to do with Allendale Township board, or planning
9 commission or anything to do with Allendale Township.

10 I pick three panel board members who actually have
11 been doing these BODs for a long time. They have a lot of
12 experience. They understand Drain Code. They understand
13 drainage. They understand why we're here today.

14 So today, their job is to say, is there a project
15 necessary? We don't have a project. We don't really know a
16 lot about it. They never have been out there. They don't
17 know anything about this area because we don't want to give
18 them a heads-up because really they're here to hear testimony
19 from the people.

20 This is about you guys in this room. This isn't
21 about what Joe wants, what they want, what the engineer wants
22 or even Allendale Township. This is about who the people are
23 today having the issues or concerns of the Sevey Drain or
24 another drain district that might want to attach to the Sevey
25 Drain for an outlet.

1 So again these three panel board members have been
2 doing these for me since I got elected. They're very
3 experienced. And again they have no properties in the drain
4 district or Allendale Township. And again they've been
5 running these meetings for quite some time.

6 I'll go ahead and do introductions, we'll start
7 from the right and go left.

8 Ken Souter, he has 30-plus years, he's retired from
9 the road commission. He was an engineer there. I came from
10 the road commission, he retired about when I started so
11 that's been a couple years ago. But Ken has been -- he was
12 there I think it was 40 years maybe.

13 BOARD MEMBER KEN SOUTER: Close.

14 WATER RESOURCES COMM. JOE BUSH: Close to 40 years
15 but he's retired. He's done a lot of these, he understands
16 drainage, obviously.

17 Rich VanderKlok, he's from the Georgetown Township
18 area. He's been a Georgetown Township board member for quite
19 a few years. And he's been the chair of these meetings for a
20 long time.

21 And then we have Larry Bruursema who also was on
22 the township board for Georgetown at one time, and served
23 many, many years at the road commission on the road
24 commission board. And he understands drainage and what the
25 purpose is here.

1 Again, we don't have a project, we don't have a
2 cost. This is the very beginning stages of the petition
3 process.

4 So if you ask, well what's the cost? We're not
5 going to have one.

6 Well why not? We don't even know if these three
7 board members think it's necessary to even have a drain
8 project.

9 Sounds kind of crazy, right? They're voting on
10 something we really don't know about as far as is there --
11 all their job is is to say, Joe, move forward; or Joe, we
12 don't deem it necessary.

13 They'll make a motion at the end of the meeting
14 based on testimony today on, do we see a need or not. That's
15 strictly all it is.

16 Some people say, well what kind of assessment is
17 it? We don't even have a project yet. But we do have LRE,
18 Dan, and his assistant is here from Land and Resource.
19 They'll do a presentation.

20 And something else I've been doing that's not
21 required by law but I do it anyway because it's been very
22 helpful over the past, going on nine years, Margie is here,
23 and she's a court reporter. Instead of having a secretary
24 write down something and forget it or miss it, we hire a
25 court reporter. And everything is recorded word for word,

1 whatever you or I say from the time we start to the time we
2 end, or public testimony, the engineer, these three panel
3 board members.

4 You can always go to MIOttawa.org, look under Water
5 Resources Commissioner and you'll see petitions. And if you
6 go in there you'll find the minutes for every Board of
7 Determination meeting I've had since I've been elected.

8 The reason we do that is for your safety and mine,
9 if something got said, or we were confused on something,
10 we'll go back and read those minutes that Margie -- and
11 Margie has been doing these for basically since I've been
12 elected so she's done quite a few of these for me.

13 She gets it down and writes it and types it so we
14 know what we said, or if something happens down the road
15 where we got confused. Well wait a minute, who said what,
16 what property owner was it? It's so nice to go back and read
17 it word for word. We might miss it, so she'll capture it for
18 us. So Margie is here.

19 So when you give public testimony, make sure you
20 state your name, address, speak loudly, I'll put the mic back
21 up here. Don't be afraid because basically this is for that
22 board's information on making a decision today.

23 And then my staff, you might have met Josiah, my
24 chief deputy when you walked in to sign in, and then Sara,
25 she's my secretary. So I have two staff with me today.

1 And then Jerry Olman from the road commission is
2 here. And Jerry and I have been working -- we worked
3 together at the road commission several years ago and we've
4 also collaborated on several projects. They also try to show
5 up and give testimony on the project -- or not the project
6 but to the Board of Determination.

7 And then I don't think I'm missing anything so -- I
8 don't see anybody in from the township board. Sometimes we
9 do have somebody from the township and I don't see anybody
10 here today, yet.

11 So what happens from here, I'll give the oath and
12 once these three gentlemen get the oath, they'll sit down and
13 then they'll -- they'll actually run the meeting.

14 Any questions, all questions are to those guys.

15 Again, I'm neutral, so unless they ask me, I'm not
16 involved at all. It's totally up to those three gentlemen to
17 run the meeting, they'll pick a chair, a secretary and move
18 forwards.

19 So if there is any comments, they'll probably go
20 one aisle at a time, but again I think with this crowd it
21 will go pretty quickly and pretty smoothly . At least there
22 is not 500 people in here.

23 So again if you have any comments, concerns, be
24 sure to speak up. This is the time that this board needs to
25 hear your comments or your questions.

1 Gentlemen, please rise. Raise your right hand.

2 Do you each solemnly swear that you will faithfully
3 perform and discharge the duties imposed upon you as required
4 by law, as members of the Board of Determination, appointed
5 by the Ottawa County Water Resources Commissioner, to
6 determine necessity and locate, establish and construct the
7 proposed Sevey Drain located in Allendale Township in said
8 county? Gentlemen?

9 BOARD MEMBER RICH VANDER KLOK: Yes.

10 BOARD MEMBER KEN SOUTER: Yes.

11 BOARD MEMBER LARRY BRUURSEMA: Yes.

12 WATER RESOURCES COMM. JOE BUSH: Thank you.

13 BOARD MEMBER KEN SOUTER: I'd like to make a motion
14 that Rich serve as chairman of this board.

15 BOARD MEMBER LARRY BRUURSEMA: I'll support that.

16 BOARD MEMBER RICH VANDER KLOK: Motion has been
17 made that Rich serve as chairman, and it was seconded by
18 Larry.

19 All those in favor, say aye.

20 BOARD MEMBER KEN SOUTER: Aye.

21 BOARD MEMBER RICH VANDER KLOK: Aye.

22 BOARD MEMBER LARRY BRUURSEMA: Aye.

23 I'll make a motion that Ken Souter be the
24 secretary.

25 BOARD CHAIR RICH VANDER KLOK: And I will second

1 that motion.

2 Motion is made that Ken Souter serve as secretary,
3 seconded by Rich.

4 All those in favor, say aye.

5 BOARD MEMBER KEN SOUTER: Aye.

6 BOARD CHAIR RICH VANDER KLOK: Aye.

7 BOARD MEMBER LARRY BRUURSEMA: Aye.

8 BOARD CHAIR RICH VANDER KLOK: And that is carried.

9 One of the things that we now need to do is rules
10 of public comment. And we will have opportunity for you to
11 make public comment as you desire, a three-minute time limit.
12 All we ask is that you give us your name and your address,
13 and then make your comment.

14 And so I'll make a motion that we have public
15 comment, not no exceed three minutes per person.

16 Is there support?

17 BOARD SECRETARY KEN SOUTER: I'll support that.

18 BOARD CHAIR RICH VANDER KLOK: And it's supported.

19 Motion made by Rich, supported by Ken, that we have
20 public comment, three-minute time limit for those who would
21 like to speak.

22 We've already talked about the role and function of
23 the board, Joe explained that very thoroughly. And also in
24 terms of the history.

25 And so our next item is engineer report, and Dan

1 Fredricks is going to give us that.

2 And you can see it up on the screen. And so don't
3 take offense if we turn our backs on you because we're going
4 to look at it too.

5 ENGINEER DAN FREDRICKS: All right. Well thank you
6 everybody for being here.

7 Again my name is Dan Fredricks with Land and
8 Resource Engineering. I'm also joined by Megan Connelly.
9 Megan is another one of our engineers that did a lot of the
10 field work.

11 As Joe alluded to we kind of went out and did a
12 very preliminary walk-through of the drain, met with a couple
13 of property owners that were having drain issues, and gave a
14 very preliminary report here.

15 We haven't gone into scope of the project or design
16 analysis or anything like that. It's kind of just really
17 some photographs and some visual evidence of some potential
18 drain issues that we found out in the field.

19 So the overview of the presentation I'm going to
20 give, we're going to talk about, building on what Joe said
21 why we're here today, I'll give a brief overview of the drain
22 and the associated watershed or drainage district with that.

23 We'll go into the history of the drain, some of the
24 work that's been done throughout time. And then we'll go
25 into the drainage issues that we have here that we have

1 found. And then most importantly after that we'll talk about
2 what happens next and open it up to comments from the public
3 here to voice either your concerns either pro or con against
4 the potential drain project.

5 So as Joe alluded to, his office received a
6 petition from Allendale Township for maintenance or
7 improvements to the Sevey Drain. The Michigan Drain Code
8 mandates that as part of the process a drain commissioner, in
9 this case the Water Resources Commissioner, holds this Board
10 of Determination. The Board of Determination is going to
11 hear testimony from everybody here today, and then determine
12 whether the project is necessary based on public health,
13 welfare or convenience.

14 I apologize, this map is a little bit blurry, but
15 the Sevey Drain is a tributary to the Little Bass Creek
16 drain. The downstream terminus is just west of 78th Street.
17 So this is 78th Street right here, just to give everybody an
18 orientation.

19 You have Lake Michigan Drive, or M-45 at the north,
20 and you have Pierce Street on the south.

21 So the Sevey starts just west, the downstream end
22 is just west of 78th Street and the confluence with the
23 Little Bass Creek drain. And it continues upstream for about
24 three miles, across 68th Street, across 64th Street to just
25 shy of -- the legal terminus of the drain stops just west of

1 60th.

2 And then at 60th it actually goes into about a
3 48-inch storm sewer, and it parallels -- and then that goes
4 north along 60th Street.

5 And then to the east of 60th you have some
6 developments that have happened in the last 30 years or so,
7 such as the Woodcrest Estates Drain, which was established
8 through the process of the Drain Code known as Section 433,
9 where they do a development and then they construct a drain
10 and then turn it over to the drain commissioner to maintain.

11 There has been some flooding issues up in these
12 areas that we'll talk about as well.

13 But, yeah, in general here, you know, this area
14 historically was agricultural. Everybody knows there is a
15 lot of development going on here. So in the last 30, 50
16 years there has been some pretty significant changes within
17 the land use and the watershed.

18 This is another map. This blue area right here --
19 let me go to one thing, sorry, I forgot one thing.

20 So this is a map of the drainage district. The
21 drainage district basically is the watershed associated with
22 the drain. This dashed line like you can see here that kind of
23 goes around the perimeter of the area right here, that is
24 that drainage district boundary, that watershed line. That
25 means that if a drop of water falls up here by M-45, it's

1 going to make its way down to the Sevey Drain. The Sevey
2 Drain being this line that kind of goes right through the
3 middle there.

4 So as of 1982, again, they had looked at how has
5 the land use changed, what properties were draining into it
6 more or not. That would be if this petition was found
7 necessary, that would be something we'd do is to make sure
8 that this map is accurate and that the people are being
9 assessed who are actually contributing to the watershed.

10 But as of the 1982 map there was about 970 acres
11 more or less in the drainage district.

12 This is another map, it's a more recent map. It's
13 the map that you guys have here. You picked it up in front.
14 Which has all the modern developments on the map with that
15 old 1982 drainage district boundary.

16 So everything in blue on this, that is for the
17 historic district, lands that are in the drainage district in
18 the watershed. We would review that if a petition was
19 determined necessary. Some lands might get added, some lands
20 might get removed. We have a lot more highly detailed
21 contour maps that we can use now days so we can really refine
22 what that watershed boundary is based on the technology.

23 So that's something we would look at if a petition
24 was determined necessary.

25 A couple other points we'll talk about throughout

1 this process is in 1991 they constructed the Sevey Detention
2 Basin here near the outlet near just east of 78th Street.
3 That was done as part of a Chapter 20 petition which means
4 that the cost of maintaining that are going to be assessed to
5 basically the municipalities, and not necessarily the
6 property owners within the district themselves.

7 And then the other area we're going to talk about
8 is this Woodcrest Estates Drain which was established back in
9 1998. So it's within the watershed, but it is -- but there
10 is a gap basically between where the Sevey Drain starts and
11 where the Woodcrest Estates Drain stops, and that's something
12 we'd look at as to how connect that into one water course, if
13 the petition were to go forward.

14 So the original drain was established back in 1886,
15 so it's been around for almost 150 years almost now. There
16 were clean-outs. There were petitioned projects and
17 associated clean-outs in 1954 and in 1982. There was this
18 Chapter 20 petition that I talked about there in '91 where
19 they constructed that detention basin just east of 8th.

20 Since then there has been some branches that have
21 been added and some culverts that have been replaced by the
22 road commission and other developments in there along the
23 drain. And there has been general maintenance done, but no
24 extensive petition process since -- really along the main
25 drain itself since the '80s.

1 And then as I stated before, that Woodcrest Estates
2 Drain was established back in 1998.

3 So as we've talked about before, the drain -- the
4 Board of Determination is going to look at this and determine
5 if the petition is necessary based on public health, welfare,
6 convenience.

7 Some of the drainage issues that we saw out there
8 is, one, in the last 30 to 50 years there has been a pretty
9 significant change in the landscape going from agricultural
10 to now residential, subdivisions and developments.

11 The good news is that generally when you go from a
12 more agricultural or undeveloped to a more developed, highly
13 impervious urban state, you generally get more runoff because
14 that water can't infiltrate in the ground. The development
15 standards in Ottawa County, thankfully, have been pretty good
16 over the last few years. A lot of those developments will
17 have detention basins associated with them to try to curb
18 some of that adverse effect that we get by having that
19 increased urbanization and impervious surfaces.

20 But again, as the watershed changes, culverts might
21 be undersized, they might not be big enough to handle the
22 amount of storm water, so that's something that would have to
23 be looked at in further analysis.

24 We investigated the detention basin and there are a
25 few maintenance issues that could be conducted as a part of

1 the project if it was determined necessary.

2 In general, within the drain, we noticed that there
3 are areas of sediment buildup in the drain, where if the
4 channel fills up with sediment, it's not going to have the
5 capacity it needs to convey those flows and creates localized
6 flooding.

7 Same thing, we saw a lot of excessive vegetation
8 growing in the debris. If you get a lot of -- or growing --
9 a lot of vegetation growing in the drain. If you get a lot
10 of vegetation growing, that will block and impede flow
11 through the drain as well and could create potential flooding
12 issues.

13 Another item we saw were obstructions in the
14 drains. There could be -- we found a couple of abandoned
15 culverts, some manmade pallets thrown out in there, log jams,
16 things of that nature that again can backup the water and
17 create localized flooding.

18 And then within the Woodcrest Estates Drain itself
19 there on the upstream end, east of 60th, there were a lot of
20 complaints about backyard flooding, nuisance flooding,
21 ponding of water, creating breeding grounds for mosquitoes
22 that spread disease, concerns of that nature.

23 We'll go into a little more detail and try to show
24 you what we seen from our investigation.

25 This is really hard to see, I apologize, but we

1 have a map from 1999 on the left and 2021 on the right. And
2 I guess really what I wanted to highlight here is you have
3 M-45 on this north side, you have Pierce on the south.

4 And really between this area of 78th and 68th
5 Street right here, really closer to 78th Street, that area
6 has developed a lot within the last 30 years.

7 The good thing to note, like I talked about before,
8 is that most of these subdivisions, I'd say all of them, have
9 some level of detention.

10 So again, that's going to kind of help to attenuate
11 some of those peak flows and not put so much burden on the
12 channel itself to have to convey all of that additional
13 runoff from the more impervious surfaces.

14 And then also east of 60th in this photo right
15 here, the Woodcrest Estates development was just being
16 constructed in 1999. You can see the road, no houses have
17 been built at that time.

18 So obviously there has been some land use changes.
19 That's probably something that's going to continue in the
20 future. And as the land use changes we have to look at, does
21 the drain have the capacity that we need to convey the flow
22 that's being supplied to it without creating flooding.

23 Then going to -- this is the starting of the
24 downstream end so 78th Street on the left here. Same thing.
25 You have a photograph on the left of the aerial photo of the

1 detention basin from 2021. And then the right is
2 construction drawings from 1991.

3 A couple things to note is that this is Waterpoint
4 Drive right here. This is a culvert that comes under that
5 into the detention basin. It's kind of hard to see right
6 here, but there is a little bit of sediment deposition coming
7 in from that culvert area there. And then the main Sevey
8 Drain is flowing in from here and there is, again, some
9 sediment deposition in through that area as well.

10 These are some photographs of the pond itself.
11 There is -- here are some areas where you can see we are
12 starting to get some sediment deposition in those areas. And
13 then there is a substantial amount of aquatic vegetative
14 growth growing within the pond itself.

15 Which again the drain commissioner is going to be
16 more focused on conveying water versus water quality. But
17 kind of throughout this whole drain, it makes sense with the
18 agricultural and residential areas and lack of buffers that
19 there is a high nutrient loading going into the drain which
20 kind of propagates the amount of vegetation that's growing.

21 As we get up into the drain channel itself a little
22 bit of vegetation that can impede flow through the drain.

23 This is the culvert that's coming from the Sevey
24 Drain into the detention basin. According to the property
25 owner, it appears to be potentially undersized and it really

1 just jets out and creates some erosion issues as it does
2 that, so that's a bit of an area of concern.

3 This is the outlet structure, control structure
4 from the detention pond that would then go across this box
5 culvert that goes under 78th.

6 There was some undermining of the concrete
7 spillway. Again, just some minor structural issues kind of
8 associated with that. And then some of the smaller rip wrap
9 by the culvert was getting pushed around. But these are
10 pretty minimal areas here. Just some kind of minor
11 maintenance issues there.

12 As we went further upstream it's kind of hard to
13 see in these photographs here but there is some areas of bank
14 erosion, kind of up near the pond area.

15 And then as we get closer to, this is 68th right
16 here, again the channel itself, this is just one example
17 where you have really a lot of aquatic vegetation in here
18 kind of choking up the channel. And you have a little bit of
19 it looks like a little bank erosion kind of going on there.

20 And as we get closer to the upstream terminus,
21 closer to 60th, you'll see some sediment deposits here within
22 the drain channel itself, indicating that there could be some
23 sediment buildup in the drain that should be removed.

24 Obstructions in the drain, again here we're
25 basically between 78th and 60th, here in the wooded area,

1 it's kind of hard to see again, but these are basically some
2 log jams in the channel itself.

3 As we get closer to 64th here, you can see just the
4 amount -- there is really no type of riparian buffer or
5 anything like that against the drain itself. In the drain
6 it's just this one huge kind of vegetative mess. So, again,
7 that can restrict the flow through the drain.

8 Example, like some trash pallets thrown in the
9 drain, more aquatic vegetation, more woody debris here. And
10 this, I believe is an abandoned culvert.

11 Do you know, Megan?

12 ENGINEER MEGAN CONNELLY: Yes.

13 ENGINEER DAN FREDRICKS: An abandoned culvert
14 that's sticking out that's not serving any function, just
15 obstructing flow.

16 Then one of the original complaints that the drain
17 office received was from property owners within the Woodcrest
18 Estates Drain. So that's a separate drain from Sevey, but as
19 we said before, the Sevey stops just west of 60th, and this
20 drain picks up just east of 60th.

21 And as part of this project potentially we could
22 combine and extend the Sevey and have that go all the way up
23 to the Woodcrest Estates.

24 So in 1988 the developer signed this 433 agreement
25 with the drain commissioner to say, we're going to build this

1 infrastructure, storm water, and you're going to take over.

2 So within the development there is storm sewer.
3 Storm -- there is also a small detention basin right here
4 where I'm pointing to, kind of in the southern central end of
5 the property.

6 There is a large wetland complex that also does
7 have some drainage conveyance, kind of between the backyards
8 of the houses.

9 This hatched area right here, that's all easement
10 area. It was identified as a wetland easement at that time.

11 And then there is a drainage easement that would
12 basically connect to the 60th Avenue storm sewer at the
13 downstream end right here (indicating).

14 And then once it gets to 60th, it goes into a
15 48-inch pipe which goes south of 60th and then east to the --
16 west I should say.

17 But property owners were complaining about ponding
18 water, flooded backyards. These were some of the examples.

19 This was actually last spring when we were out
20 there. So almost a year ago when we first looked at this.

21 This is kind of that wetland complex area that
22 we're talking about, kind of water there. And these are a
23 couple properties within that drainage area, flooded
24 backyards, nuisance flooding, and ponding of water.

25 We did go out here and we did a survey, basically

1 from 60th Avenue up through the Woodcrest Estates through the
2 drainage outlets, and then going up kind of along this
3 natural swale through the wetland complex area.

4 What we did notice is I think the existing
5 detention basin is right around this area here. But if you
6 look at, this is a profile of the survey we took. So this
7 profile starts at -- this right here is the big 48-inch
8 culvert that's going south from 60th Street. And then there
9 is a little 24-inch stub out that collects the water from,
10 that would be from Woodcrest Estates.

11 And this is the channel bottom. So you have the
12 top of the banks here and the channel bottom right here. And
13 you'll notice it's pretty much dead flat, and then actually
14 the channel bottom raises several feet right about in this
15 area.

16 So a lot of these homes are complaining about
17 inadequate drainage and there is definitely a significant
18 sediment upper barrier that creates -- that doesn't allow for
19 the proper flow of drainage between these houses.

20 And that's something else to look at too is just
21 how high this culvert is set, and the inlet from this area
22 could probably be lowered a little bit so we could probably
23 get a little bit better gradient through that area.

24 We did do some -- that was the level of field work,
25 we did that last year even before we had the petition to look

1 and see what we could do for Woodcrest Estates, so I figured
2 I'd share that as well.

3 So that's kind of what we've seen so far in the
4 field. Again, we really want to hear from public testimony
5 and hear some of your concerns.

6 But the next move right here is going to be open to
7 public testimony, and then ultimately the Board of
8 Determination is going to make a decision on whether a
9 project is necessary or not.

10 If it's not determined necessary, then no petition
11 on the Sevey Drain can be heard again for at least another
12 year.

13 If it is determined necessary, then we go through,
14 go out there and complete the engineering design. We do
15 additional survey along the Sevey Drain. Potentially if
16 we're kind of filling in the gap between the Sevey and
17 Woodcrest Estates, we may have to go out there and obtain
18 some easements. Potentially we may have to apply for permits
19 from the state of Michigan to do some of this work here.

20 And then ultimately once we have a design project
21 together, we'll put together construction drawings and
22 specifications and bid it to qualified contractors. And then
23 the lowest qualified contractor is generally awarded the
24 project.

25 At that point then the drain commissioner knows

1 what the total project cost is going to be and can assess
2 that out.

3 The assessment will go to, there will be MDOT
4 because there is M-45, they will pay a portion of it.
5 Allendale will pay a portion of it. The county-at-large is
6 going to pay a portion of it. And then the remainder is
7 going to be spread amongst those 970 acres, plus or minus,
8 and the individuals that live within there.

9 So once we know the cost and they put together the
10 assessment roll, then there would be a day of review and that
11 would give everybody the opportunity to look at what their
12 potential assessment is and voice any concerns at that time.

13 And once we get through that process, then we
14 physically construct the job.

15 So with that I appreciate everybody's time and I'm
16 happy to answer any questions that the board may have.

17 BOARD CHAIR RICH VANDER KLOK: Okay. Thanks, Dan.

18 I just wonder if Ken or Larry have any comments or
19 questions for Dan.

20 You might want to hang onto that in case they do.

21 BOARD SECRETARY KEN SOUTER: I'm a little confused.

22 In looking at your drawings very quickly, your
23 drawings go through the little lake there. It's kind of hard
24 to split a lake in half and not be in a drainage district or
25 out of a drainage district.

1 ENGINEER DAN FREDRICKS: So that's a great point.
2 Now this drainage district has not been updated since 1882.

3 BOARD SECRETARY KEN SOUTER: Okay.

4 ENGINEER DAN FREDRICKS: And those developments are
5 a lot newer than that, so that's one of the things that would
6 have to happen as part of this.

7 BOARD SECRETARY KEN SOUTER: It isn't only the
8 upstream end here that isn't in the drain district, but some
9 of the areas up here?

10 ENGINEER DAN FREDRICKS: Yeah. Actually even the
11 Woodcrest right now, the upstream areas, a lot of that
12 Woodcrest Estates is actually (inaudible) the historic
13 district.

14 But you make a great point right there that that
15 map is not accurate, and will have to be updated prior to
16 doing the assessment.

17 BOARD CHAIR RICH VANDER KLOK: Larry, do you have
18 any?

19 BOARD MEMBER LARRY BRUURSEMA: No, I'll wait for
20 the public comments.

21 BOARD CHAIR RICH VANDER KLOK: Okay. Jerry, do you
22 have anything that you'd like to share?

23 Jerry is from the Ottawa County Road Commission.

24 ROAD COMMISSION JERRY OLMAN: My only comment is
25 the gap -- as far as our road drainage goes, I'm not aware of

1 any issues that the road commission has.

2 But it's been brought to our attention that there
3 is a gap between the upper end of the Sevey and the, for
4 example, Woodcrest Estates.

5 So I looked up the plans for the 60th Avenue storm
6 sewer. That was installed in the early '90s as part of a --
7 in cooperation with Allendale Township when they installed
8 sanitary sewer in the road as well. So I was kind of
9 surprised that that wasn't already part of the Sevey.

10 But the road commission would be in favor of
11 extending the Sevey Drain to include that storm sewer under
12 60th, so it's under the Water Resources Commissioner's
13 control.

14 BOARD CHAIR RICH VANDER KLOK: Okay, thank you,
15 Jerry.

16 Is there a representative from Allendale Township
17 here that has any comments or wants to speak to this at this
18 time?

19 I see no one from the township here to speak to it,
20 unless, did I miss someone? No. It doesn't look as if there
21 is.

22 So then we'll go to our public testimony time.

23 If you would like to make comment, please feel free
24 to do so. We ask that you stand and give your name and your
25 address and we will have a microphone for you available.

1 So you may want to come to the microphone in order
2 that we may hear you.

3 So if you'd like public comment -- and I'm going to
4 start in the front row here and ask if you want to make
5 public comment, and then I'll just go down each row.

6 And if you'd like to, please feel free to come
7 forward.

8 The gentleman here, do you have a public comment,
9 sir?

10 If you'd give us your name and your address.

11 MR. RYAN RANGER: Sure, my name is Ryan Ranger. My
12 address is 10703 Winnie Lane. I'm in one of the newer
13 subdivisions, Hidden Shores West which is on 78th Street.

14 And there is multiple houses that have drainage
15 issues so I just wanted to state that comment.

16 BOARD SECRETARY KEN SOUTER: So you're at the very
17 end almost to where it outlets into Little Bass?

18 MR. RYAN RANGER: Correct.

19 BOARD CHAIR RICH VANDER KLOK: Can you be a bit
20 more specific in terms of when you said "multiple drainage
21 issues," can you be a bit more specific as to what those
22 issues might be?

23 MR. RYAN RANGER: Sure. My backyard and other
24 neighbor's backyards on Winnie Lane have just general
25 drainage issues.

1 BOARD CHAIR RICH VANDER KLOK: Standing water?

2 MR. RYAN RANGER: Standing water, yes, along the
3 back of the property lines.

4 BOARD CHAIR RICH VANDER KLOK: Thank you, Ryan.

5 I think what we're going to do for public comment,
6 Joe, would you be willing to take the mic to the people so
7 that they don't have to come down?

8 So I'm going to go right over here, these two
9 gentlemen, if you have a comment.

10 Give us your name and your address, please.

11 MR. PHIL FALSTROM: My name is Phil Falstrom. I
12 live at 7712 Stepping Stone Drive. And we're on the Sevey
13 Detention Basin there. I've been around that basin probably
14 20 years.

15 I've noticed since the new construction of the
16 school, the subdivision behind us, I don't know if it is silt
17 fenced properly or what, but we're getting a lot of sand that
18 goes down that drain, the Sevey Drain, and just fills in that
19 pond. So it's real shallow.

20 So whenever it rains even a little bit, we're up at
21 least six inches of water.

22 BOARD CHAIR RICH VANDER KLOK: Okay, thank you.

23 MR. MARSHALL CHASE: Marshall Chase, 7754 Stepping
24 Stone Drive.

25 Where the Sevey basin is, I own the majority of

1 that property.

2 Can you bring that picture back up where you showed
3 the house? Right there.

4 Now that island that's in there, if you look on the
5 other side, the island was not constructed to be put in
6 there. What they did when they were digging on the south
7 side, they hit sand, but when they hit clay they started
8 piling it up there and we lost some of our pond.

9 That little tip that's sticking out of the one end
10 there, to the north, that's not supposed to be there. Same
11 thing, clay.

12 Now we've been getting a lot of sand coming down
13 through there for the last years, I've talked to Joe about
14 it. The pond is doing what it's supposed to do, it holds the
15 water. It has a control system to let it back down Little
16 Bass Creek. But we're getting so much sediment in there that
17 it's starting to fill the whole pond in.

18 Now to the drain coming out of the Hidden Shores
19 Lake to the east, where he showed that to you, that drain was
20 only supposed to be used for lake water of Hidden Shores into
21 our pond. So it kept the water flow going, kept the pond
22 filled up.

23 Then the developer turned around and he started
24 putting backyard drains in there, then hooked the church on
25 to it. That's just to the north of that little island there.

1 So we got a bunch of stuff coming in there that we shouldn't
2 have.

3 Before we think about adding anything to it, we
4 should fix what we got, before you even think about bringing
5 more water. That's already destroying and eroding all the
6 banks there.

7 We lost probably eight feet around our lake already
8 that has caved back in. I've lost trees. And when that
9 water comes through that, like the young man said, it's way
10 undersized. It causes, on the west end, it causes a circular
11 motion, and that will go on for days until that drain empties
12 itself out.

13 Before we go on any further, let's fix that where
14 it stops at before we add to it.

15 BOARD CHAIR RICH VANDER KLOK: Okay, thank you.

16 And then let's just go down the next row.

17 MR. DONALD BOERINGA: My name is Don Boeringa. I
18 live at 7041 Sunset Drive. And I have what Allendale and
19 Ottawa County drain commission consider an orphan sewer.

20 But every time it rains, I have some pictures of a
21 severe storm, but any time it rains, we end up with standing
22 water in our backyards and it runs through. And actually
23 there is a grade problem with it because it's higher in the
24 center and it's supposed to drain through. But a lot of
25 times I have standing water.

1 And in June when we had the heavy rain, I had water
2 in there up to my knees that I walked through, in my
3 backyard.

4 BOARD CHAIR RICH VANDER KLOK: Excuse me, John,
5 what subdivision do you live in again? Your address is what?

6 MR. DONALD BOERINGA: 7041 Sunset Drive. Right
7 across the street.

8 BOARD CHAIR RICH VANDER KLOK: Okay, thank you.

9 MR. KEVIN CROWE: My name is Kevin Crowe. I live
10 at 10411 68th Avenue.

11 I guess my concern is who pays for this? Are you
12 talking about the commission pays for it, the road
13 commission, MDOT?

14 You talked about all 970 acres -- the last time I
15 came to one of these meetings was when you guys were
16 determining whether or not the storm drains in the
17 subdivision behind my house, Meadowbrook and whatever the
18 other one is.

19 And I don't know if the commissioner misspoke to me
20 then because I asked specifically after the meeting that if
21 he didn't hookup to these drains, would you have to pay for
22 it.

23 I was told no.

24 Well that wasn't true. I was assessed, I don't
25 know, 4000 bucks and change, that was put on my taxes. So

1 I'm just real curious why you want to hookup these two
2 drains? Why can't Woodcrest take care of their own stuff and
3 pay for it? Why do we have to pay for their drainage
4 problems?

5 I understand like Marshall was talking about, the
6 stuff that's within the drains, let's fix the stuff that's
7 going on. They were talking about the stuff by the schools,
8 sounds like there is enough problem with the drainage system
9 that's going on now without hooking somebody else up to it
10 and making us pay for it.

11 Thank you.

12 BOARD CHAIR RICH VANDER KLOK: Thank you.

13 MS. JULIE DeVRIES: Julie DeVries, 10848 60th
14 Avenue.

15 I am right on the corner of 60th and Lynn Drive,
16 which is (inaudible) the very new development, for you people
17 on the board that aren't from Allendale, all those homes in
18 there are no older than two years old. So they just kind of
19 extended that street.

20 And it used to be, you know, acres of woods back
21 there, hundreds of trees. And so when you take all those
22 trees out of there with all those roots, I still think that
23 that's got to be challenging to drain things properly and
24 then put the roads in.

25 And somebody said that in that area that they were

1 having a little bit of trouble, and what I noticed is the
2 drains are so very plugged, mainly with leaves, debris and a
3 lot of sand due to the fact that it's a new housing
4 development.

5 The question I have is who is supposed to keep
6 those sewer drains clean, who is responsible for that? Is it
7 the road commission or, you know, who cleans those? Because
8 they were so badly plugged for a while there when we had rain
9 it's no wonder so many of the roads and so many places were,
10 you know, filling up with water in that area, because it
11 couldn't continue to get down into the sewer where it was
12 supposed to so it was kind of on top on the roads.

13 So I mean that's something I think that they have
14 to think of too to try to improve on that.

15 Thank you.

16 BOARD CHAIR RICH VANDER KLOK: Okay, thanks.

17 Joe, do you want to speak to that in terms of --

18 MS. JULIE DeVRIES: Yeah, like who is responsible
19 to clean that?

20 WATER RESOURCES COMM. JOE BUSH: Yeah, it gets kind
21 of complicated when you get a new construction site.

22 Usually there is silt sacks in the streets that are
23 left there until there is vegetation for all the new homes
24 and yards. Sometimes that's in the front, sometimes it's in
25 the street -- I mean the backyards, in the street. Sometimes

1 it's the road commission.

2 A county drain, everybody thinks every drain is a
3 county drain. A county drain is a legal body that has a
4 watershed as a beginning and it has an end.

5 This gentleman made a good point, well if you're
6 going to tap into other subdivisions upstream, why are we all
7 paying for it. The only way I can, per Drain Code per state
8 law is assess based on contribution and benefit. If you
9 contribute to the project or if you benefit from the project,
10 I can -- my department can assess for it.

11 I don't know the scenario of what happened back
12 then. I think that was probably before my time.

13 MR. KEVIN CROWE: You were the one that told me.

14 WATER RESOURCES COMM. JOE BUSH: I don't quite
15 remember that, but it would be in the minutes.

16 Yeah, the only way I can assess is basically if you
17 contribute or benefit. Obviously there was something done
18 that you contributed from --

19 MR. KEVIN CROWE: I have a question on that --

20 BOARD CHAIR RICH VANDER KLOK: Excuse me.

21 Joe, do you want to finish? And then we'll
22 continue on, please.

23 WATER RESOURCES COMM. JOE BUSH: I'll finish.

24 So I'm not sure of that scenario, that might be for
25 a later time.

1 But that's the only way we can assess is basically
2 on benefit and contribution.

3 And the answer to your question, it would be we do
4 the soil erosion, and in my department we have a soil erosion
5 agent and inspector that goes out everyday and inspects them.

6 But again, a drain has a beginning and an end,
7 sometime they're in the street. Again, this gentleman
8 brought up an orphan.

9 There is a lot of orphans in Allendale Township and
10 through the county that I don't have legal jurisdiction over
11 that I can't touch without an easement and a legal right to
12 be on people's property and have a route and course.

13 So it depends whether the road commission has
14 jurisdiction or myself and my department.

15 But I do know construction sites get ugly for
16 awhile. The silt sacks get full and then we inspect those.
17 And then we make the contractor go out and either put new
18 silt sacks in in the catch basin, or if they don't put new
19 ones in, they have to cleans the ones that are there, make
20 sure the roads aren't plugged up.

21 The rain events lately have been pretty intense in
22 the past two years, actually three years, that are different
23 than what we normally see. So these roads will flood for
24 quite a long time until the water recedes in the roads and
25 drains.

1 BOARD CHAIR RICH VANDER KLOK: Okay, thanks, Joe.

2 The next row?

3 MR. JASON HOLTHOF: Jason Holthof, 10554 60th
4 Avenue.

5 I'm from the other end of the spectrum, east, near
6 Woodcrest Estates. Some of the pictures were actually my
7 backyard that were flooded out there.

8 I'm pretty much the one that has done all that
9 maintenance in the drain for probably the last 20 years plus.

10 I represent kind of a (inaudible) trust where the
11 drainage that came in, grandpa has since passed, but that
12 ditch has been there way before he was a young child. That
13 doesn't show on the map here.

14 I've talked (inaudible) with Sara last summer, I
15 believe it was, because it showed that the drain stopped just
16 west of 60th. As far as grandpa told me, it had been gone
17 through there his entire life. The ditch comes around and
18 goes to the back of Woodcrest Estates, and stops right at
19 their north property line.

20 That retention pond that is on the back side of
21 that Woodcrest Estates, since that -- since that went in
22 there it has -- we've had a lot of flooding issues.

23 It was bad a little bit to begin with because it is
24 a wetland, but that retention pond is pretty much part of the
25 wetland which is backing up into our yard as well.

1 I've had issues with the drain that goes under 60th
2 right there. I've cleaned it out myself many times from
3 bricks and concrete. We've had -- Allendale Township pulled
4 a tree out of there, a giant tree that was backed up --
5 probably 15, 18 years ago because it backed up so bad.

6 Also one day the waters were supposed to be
7 receding and I went in there because the waters were suddenly
8 flooding our backyards. And some kids from the development
9 had plugged it, and it was coming back. This is days and
10 days after a hard rain. So just tons of water in our
11 backyard.

12 We've got ducks coming in here all the time
13 swimming in our backyard with so much water.

14 I go in with my chainsaw and clear out the
15 drainage, it's pretty much chuck full of trees, leaves and
16 what not.

17 And then where it goes under 60th, I've removed
18 tons of concrete, asphalt. I don't know where it's coming
19 from, but I've taken a lot out of there. And I'm sure a lot
20 of it has gone in the drain system that is under 60th right
21 now. It's full of who knows what's in there. It's getting
22 worse and worse as we go on here.

23 I think part of that drain, a piece of it right
24 there from that development, but also that ditch doesn't even
25 show, even with the map that he showed, it kind of hooks up

1 going to the northeast into Woodcrest, the ditch. There is a
2 ditch that's been there forever from what grandpa had said,
3 that comes all the way through there and that is plugged
4 right shut, which pretty much backs up all our properties.

5 So excessive amounts of water in there for weeks on
6 end, not just a couple days and out, it's weeks on end.

7 So I'd just -- like I said, the pictures were part
8 of my backyard, and this is going back from many, many, many
9 years that that ditch has been there. I'm not sure why it
10 doesn't even show on there, but it has been there for a long
11 time.

12 BOARD CHAIR RICH VANDER KLOK: Okay. Thank you,
13 Jason.

14 MS. CHERYL ADAMS: I'm Cheryl Adams, 10564 60th,
15 and Jason has been great at maintaining this.

16 I will say one thing. That ditch that he's talking
17 about does run behind people's homes in that Woodcrest
18 Estates. I feel those people should be the ones responsible
19 to keep that clean.

20 Jason and us, we live three or four houses down and
21 for him, out of the goodness of his heart to go down and
22 maintain that, because it does back up on our property.

23 And one of the houses that butts up to it is a
24 rental property, it has four families living in it. But
25 again those people in Woodcrest, it's on the back of their

1 property, they should be the ones that maintain that.

2 Also, usually every spring with the runoffs of rain
3 and snow, we have woods behind us, half of our property is
4 woods.

5 It gets rain, snow runoff, and as I said to my
6 husband, after we moved in 22 years ago, Woodcrest was just
7 beginning, I said to him one morning, look, we have lakefront
8 property, because the water had been so far up into our yard
9 that we had ducks floating around back there, which is fine,
10 I guess.

11 But the mosquitoes are horrible. And we end up
12 with, we've lost trees that have died because with the water
13 for weeks on end, that have just ruined the root system and
14 that.

15 And, you know, our children are now full grown but
16 when we had grandchildren, they couldn't even go out back
17 because the mosquitos were so bad. And it continues with the
18 rain.

19 This is the first spring that we did not have water
20 back there because we didn't get the monsoon. But when we
21 did get them a few weeks ago, now we have the mosquitos as
22 I'm sure many of you have.

23 This gentleman down here lives on Sunset and we had
24 spoken out in the outer area and he said he can't let his
25 grand-kids go out because the mosquitos are so bad. So it

1 has been an ongoing problem for years and that.

2 Wayne Visser (ph) is the one that was originally on
3 the property who owned our property and that, and it's just
4 ongoing.

5 And what I am a little bit disappointed with with
6 the township is why this meeting was not held in the evening.
7 My husband wanted to attend but he works full time. And I
8 think we would have had more of a turnout if this had been in
9 the evening and that.

10 So I had no idea that this drain went all the way
11 to 78th Street. I thought it was just in our neighborhood.

12 So I just really hope that something gets done. I
13 think if it does, it's going to take a long process with so
14 many different agencies involved.

15 Yes, unfortunately, there will be probably some
16 expense moved onto us like any other project, and that. But
17 I hope a minimal cost, and then I hope there are grants and
18 that available to kind of help cut any costs.

19 So we're all here because there is obviously a
20 problem that affects all of us, otherwise we wouldn't have
21 taken our time out.

22 BOARD CHAIR RICH VANDER KLOK: Thank you, Cheryl.

23 The next row?

24 The next row?

25 MS. NANCY GOODEN: My name is Nancy Gooden. I live

1 at 10881 60th Avenue. I live just west apparently of this
2 yellow area that includes the drainage area.

3 So being just across the street from it but
4 apparently not part of it, I guess my question is, I know
5 that there is a big development proposed to go in right
6 behind us. So I was just wondering why we got the notice.
7 Was it because of this development coming in or is it because
8 we're so close to the Woodcrest Estate area that is having
9 trouble?

10 I did agree with Ms. DeVries when she said that a
11 lot of the drains are plugged. I do a lot of walking for
12 exercise. I go down 60th and I happened to see on 60th a lot
13 of the storm drains are plugged up with dirt and grass even
14 growing, you know, creating like sod over the drains.

15 And as I was walking I tried to kick it off with my
16 feet, but it would take a shovel it was so thick.

17 So I was just wondering, you know, who takes care
18 of those drains to make sure the runoff is able to do its
19 purpose.

20 But I guess that was my main question, if we're
21 technically outside of that drain area, are we going to be
22 assessed too?

23 BOARD CHAIR RICH VANDER KLOK: Thank you, Nancy.

24 MR. MITCHELL JOHNSON: Chairman Bush, honorable
25 members of the Board, good morning.

1 My name is Mitch Johnson, I live at 7773 Hawkins
2 Street in the Hidden Shores West subdivision.

3 My primary area of concern is the drain portion
4 that runs behind my property on a west to east line along the
5 north side of our properties, of all of us who live on the
6 north side of Hawkins Street.

7 BOARD SECRETARY KEN SOUTER: I don't know where --

8 BOARD CHAIR RICH VANDER KLOK: Where exactly in
9 relationship to like 78th or --

10 BOARD SECRETARY KEN SOUTER: Where is Hawkins
11 Street?

12 MR. MITCHELL JOHNSON: Hawkins Street comes off of
13 78th Street, south of M-45.

14 BOARD CHAIR RICH VANDER KLOK: Thank you, that's
15 helpful.

16 MR. MITCHELL JOHNSON: I don't know the last time
17 this portion of the drain was cleaned out. It's very
18 overgrown with vegetation and silt.

19 Some of my neighbors have kind of thoughtlessly put
20 grass into that portion of the drain, thinking it's just a
21 ditch and not knowing that it contributes to the drainage.
22 All of our yards run downhill, across a flat and down into
23 the drain. And all of our sumps discharge into this portion
24 of the drain.

25 I did talk with Chris Machiela from the

1 commissioner's office, and my understanding is he went out
2 and looked at this area and he thought that something could
3 be done to clean it out, but he was looking into easements
4 and engineering to see what ability he had to do that. And I
5 have not heard from him to date.

6 I have put in some landscaping behind my house just
7 on the edge of the drain so we didn't have to look at all
8 that back there. None of my neighbors have done that yet but
9 this may be an opportunity before that happens to clean out
10 this portion of the drain to make sure that it functions
11 going forward.

12 Thank you for your time.

13 BOARD CHAIR RICH VANDER KLOK: Thank you, Mitch.

14 MR. JOHN BERNS: Hello. My name is John Berns.
15 And I'm from 5947 Lynn Drive, that's Woodcrest Estates.

16 Our neighborhood is under massive development, as
17 Julie DeVries mentioned. The developers have the drains
18 actually plugged with a black tarp. So when it rains a lot,
19 we have a lot of water in the backyards and a lot of
20 flooding. And I know some of my neighbors have actually gone
21 out there in the rain storm and pulled the black tarp off
22 that's holding the water from flooding.

23 And I think I have a question. Maybe, Joe, you can
24 answer that, how do we, as neighbors, try to control all the
25 water that's coming through there? Because it's flooding all

1 of our yards and eroding away our lawns and things like that.
2 But I think it's more a product of the development going on
3 and the fact that those drains are plugged.

4 BOARD CHAIR RICH VANDER KLOK: Joe, do you want to
5 speak to that?

6 WATER RESOURCES COMM. JOE BUSH: Yeah. This is one
7 of those things where we would reevaluate it with Dan. I'm
8 assuming you're talking about the new developments in the
9 area.

10 We would have Dan -- every development gets
11 reviewed through my department. They all have to be required
12 through the Ottawa County development standards as far as
13 hundred year detention. There is a whole list of things that
14 we won't go into for this meeting, but there is standards
15 that every development has to follow.

16 We will review that and make sure that those are
17 done.

18 Again, the soil erosion is required by law to have
19 those black tarps, they're called silt sacks or silt vents.
20 And all that's required. We'll take that back today to my
21 agent and make sure that that gets looked at and reviewed
22 either today or tomorrow, and have the staff go out and make
23 sure that's good.

24 Those are the two things. I know they're a
25 headache. When you have new developments, there is growing

1 pains because there is a lot more water, there is undisturbed
2 soils, there is sediment that moves into drains.

3 So there is the bad side of development, you know.
4 When it comes to open vegetation, it's just dirt moving. So
5 we try to prevent anything from going down the street by all
6 the preventive measures that every development is required to
7 do.

8 So we'll look into that, Mr. Chair, and put it in
9 the minutes that I'll have my staff go out, reevaluate the
10 neighboring developments to make sure they're all -- I know
11 they get reviewed weekly, but again with the rain events
12 we've had lately, you know, we will go ahead and review that
13 since you brought it up today.

14 BOARD CHAIR RICH VANDER KLOK: Thank you.

15 MR. JOHN BERNS: Just one thing more.

16 My son also lives in the subdivision. And I know a
17 few weeks ago behind their house there was water over knee
18 deep. And the neighbors went out and lifted that heavy drain
19 out and then pulled that sediment sack off of it.

20 If my son hadn't been there, and a neighbor hadn't
21 been there to see it, I'm not so sure that their houses
22 wouldn't have all been flooded.

23 And so, you know, what they're using right now is
24 not working. And we're just trying to figure out what to do
25 about it because we can not just watch our houses and

1 (inaudible) drains out with water two, three feet deep.

2 BOARD CHAIR RICH VANDER KLOK: Okay, thank you.

3 The next gentleman?

4 MR. JIM KELLANDER: My name is Jim Kellander. I
5 live in Oak View Estates which is the development directly
6 across the street from here off 68th Avenue. My address is
7 10745 Blackcherry Drive.

8 My concern is in looking at your map where the
9 Sevey Drain heads west of 68th Street, your map is showing it
10 going directly toward the holding pond on the school
11 property.

12 In actuality that drain turns slightly north and
13 follows the boundary line of our subdivision, then turns
14 directly south down the school property and into the holding
15 pond.

16 My concern is that several years ago when the
17 property was developed as a school and the ball fields were
18 put in, neighbors along the south edge of our subdivision
19 began having water problems in their basement because the
20 topography of that ground was raised and leveled for the ball
21 fields.

22 My concern is my house is only one house away from
23 the people that have a problem. Now I can't speak for them
24 because I don't see any of them here today, and that took
25 place several years ago when the ball fields were built.

1 But my concern is we're adding to this drainage
2 coming through that property, and it's already a problem. We
3 want to make sure that that's adequately addressed to handle
4 the additional flow.

5 I can sympathize with people upstream that have
6 flooding problems, and I don't think we should prevent
7 helping them. But in doing so, we need to ensure the people
8 that are downstream aren't inheriting their problem.

9 BOARD CHAIR RICH VANDER KLOK: Sure. Thank you,
10 Jim. I appreciate that.

11 And the next gentleman?

12 MR. TERRY SMECKERT: Good morning. My name is
13 Terry Smeckert, 7343 Watermark Drive. It's a condominium of
14 properties on the south side of Hidden Lake.

15 Where I live now, apparently I'm not in this drain
16 district according to this map. And my concern is if I'm
17 going to be assessed, then how does this map get redrawn
18 correctly to incorporate all the residents that would live in
19 this drainage district then? I'm obviously in a different
20 drainage district, but it cuts across the lake as you pointed
21 out.

22 So how do you assess all these people if they're
23 not even in the drainage district?

24 BOARD CHAIR RICH VANDER KLOK: Thank you, Terry.
25 That would be a determination, obviously, that would be made

1 if this board determines that the project should go ahead.

2 Then I think the engineer made the comment earlier
3 that this -- the map that we see here is not totally correct,
4 and so if that is the determination, then obviously they will
5 reevaluate and reassess in terms of who would be in the
6 drainage district, who would not be, who would be -- who
7 would then be assessed as the project would move forward.

8 So that would be the -- that would be the outcome
9 for you in terms of your question.

10 Is there anyone else that has not spoken that now
11 would like to make a comment, who did not?

12 Then I make a motion that this portion of the
13 public comment be closed.

14 BOARD SECRETARY KEN SOUTER: I second it.

15 BOARD CHAIR RICH VANDER KLOK: Motion is made by
16 Rich, seconded by Ken, that public comment now be closed.

17 And now I'd like to ask the board to make their
18 comments, based on what they've heard, and so either Larry or
19 Ken, if you gentlemen -- Ken, do you want to go first?

20 BOARD SECRETARY KEN SOUTER: Yeah. I hear comments
21 on this, on the downstream end, quite a few comments on the
22 downstream end where they're catching all the water and it's
23 not getting away, it's adding up there. I see problems
24 there.

25 I also see problems up at the Woodcrest end which

1 would be, it must be the piece of property that's to the east
2 of 60th.

3 Is that correct, Joe?

4 WATER RESOURCES COMM. JOE BUSH: Yes.

5 BOARD SECRETARY KEN SOUTER: That's correct. Okay.

6 My biggest question is that property to the east of
7 60th Avenue, that is shown as being part of the Sevey Drain,
8 right? It was handled differently --

9 BOARD CHAIR RICH VANDER KLOK: Is that -- is that
10 right, Dan?

11 ENGINEER DAN FREDRICKS: That's correct, yes.

12 BOARD SECRETARY KEN SOUTER: Okay.

13 ENGINEER DAN FREDRICKS: So it's in the Sevey Drain
14 drainage district, yes.

15 BOARD SECRETARY KEN SOUTER: It's always been
16 there.

17 ENGINEER DAN FREDRICKS: It's always been there.
18 Because if you look at this map, this yellow map that you see
19 there, that boundary of the drainage district, that's from
20 1982. And the Woodcrest Estates was not developed until
21 1998.

22 So it made sense that that drainage would actually
23 -- because it always went in the Sevey.

24 BOARD SECRETARY KEN SOUTER: It's always been in
25 the drainage district, it's just the Sevey Drain wasn't

1 extended up there to it? So that water always went that way?

2 ENGINEER DAN FREDRICKS: Yes. And it goes that way
3 now, yes. It always has. So it's really a legalistic term,
4 because if you look at that heavy blue line on your maps, you
5 can see that the Sevey Drain stops, legally established, just
6 west of 60th Avenue; but then it turns into a 48-inch storm
7 sewer, which potentially the drain commissioner would
8 takeover, and then the associated drainage easements within
9 Woodcrest.

10 BOARD SECRETARY KEN SOUTER: So we're not really
11 saying that that area needs to be taken into the drainage
12 district, it was always in the drainage district?

13 ENGINEER DAN FREDRICKS: That's a great point. We
14 really aren't adding any additional water to the drain, it's
15 always been there.

16 BOARD SECRETARY KEN SOUTER: You may be adding
17 water because of the development, but that shouldn't have
18 been handled through --

19 ENGINEER DAN FREDRICKS: Right. And that
20 development is happening all throughout the drainage
21 district. There is developments going on all over.

22 BOARD SECRETARY KEN SOUTER: That was the clarity
23 that I really wanted to know, and it's shown on the map as
24 being in the drainage district, it was being said that it was
25 added, and that's not the case.

1 ENGINEER DAN FREDRICKS: Correct.

2 BOARD SECRETARY KEN SOUTER: Other than that, as
3 far as I'm concerned, I hear problems at the upper end, I
4 hear problems at the lower end, and people are having
5 problems in the middle where they want to make sure that if
6 we do clean out one area, we're not talking about just the
7 upper area or the lower area, we're talking about the whole
8 drain.

9 ENGINEER DAN FREDRICKS: Right.

10 BOARD SECRETARY KEN SOUTER: And I hear enough
11 problems both upper, lower and middle that I'm in favor of
12 having it done.

13 BOARD CHAIR RICH VANDER KLOK: Okay. Thank you.
14 Larry, do you have any -- probably want to get
15 that --

16 BOARD MEMBER LARRY BRUURSEMA: Yeah, I'm concerned
17 about -- I think all I've heard was it's just one big problem
18 of a drain that is not carrying the water out. And it's a
19 big maintenance problem, is that correct?

20 ENGINEER DAN FREDRICKS: I'd say that's a fair
21 assessment.

22 BOARD MEMBER LARRY BRUURSEMA: Okay. So that's
23 really all I have.

24 BOARD CHAIR RICH VANDER KLOK: Okay. Well picking
25 up on what Ken commented on and some of your comments, and I

1 appreciate the comment, I think it was Marshall who made the
2 comment that we should fix what we have. And obviously
3 that's what we would intend, if this would go forward. That
4 would be the -- that would be the impetus for the engineer
5 and the water resource commission office, the road
6 commission, all of those entities to determine what will be
7 the scope of the project.

8 And all of that cannot be determined unless the
9 Board of Determination sees that there is a need in order to
10 move forward.

11 And so I would make the motion that the proposed
12 maintenance and improvement of the Sevey Drain, as petitioned
13 on March 22, 2021, is necessary and conducive to the public
14 health, convenience and welfare of the public.

15 And so I make that motion.

16 Is that supported?

17 BOARD MEMBER LARRY BRUURSEMA: I'll support it.

18 BOARD CHAIR RICH VANDER KLOK: Made by Rich
19 VanderKlok and supported by Larry Bruursema.

20 Any further discussion on that motion?

21 All those in favor, say aye.

22 BOARD SECRETARY KEN SOUTER: Aye.

23 BOARD CHAIR RICH VANDER KLOK: Aye.

24 BOARD MEMBER LARRY BRUURSEMA: Aye.

25 BOARD CHAIR RICH VANDER KLOK: That is carried.

1 And now, thank you all for being here, but I'm
2 going to turn it over to Joe again, and he will describe for
3 you the appeal process, and perhaps address a few of the
4 other issues that you brought up in your comments.

5 WATER RESOURCES COMM. JOE BUSH: Yeah, I just want
6 to take a few minutes to thank everybody for coming out this
7 morning.

8 You can appeal today's decision at circuit court
9 within ten days from today. So you can appeal it, the
10 decision, or the BOD today. But again that's through circuit
11 court. It's not through my department, not through probate,
12 but through circuit. So you can appeal it.

13 The other one is for the minutes, I'll follow up
14 with the gentleman that apparently there must have been a
15 project with another assessment that I must have said
16 something, so I'll follow up with him after the meeting to
17 make clarification on that.

18 And then there was some other questions on who is
19 responsible for, I believe the lady who walks, that there is
20 some catch basins on the side of the road that are filled up,
21 and not just with the black tarp or black silt sack, just
22 because those are plugged.

23 Those are definitely -- either call my department,
24 call the Water Resources Commissioner. Again we collaborate
25 with the road commission on a daily basis.

1 It's a lot of work when you look at Ottawa County,
2 there is a lot of roads, there is a lot of drains, my staff
3 is very limited, I will say that for the record, because
4 everybody thinks we have all kinds of staff and we can get to
5 them on a daily basis.

6 But when you have a thousand plus drains, and
7 developments going crazy, there is a lot of work out there
8 and my staff is very limited. So we deal with what we can.
9 But if there is issues and you see them, make sure you report
10 them.

11 A lot of the storm sewers, the basins are getting
12 full, grass starts growing in them, leaves, and before you
13 know it, they become plugged. By all means either call the
14 road commission, you can go online to the road commission and
15 fill out a request. Or you can call Sara here, she usually
16 answers the phone, and we put reports in and we handle those
17 accordingly and pretty quickly too.

18 Some of the comments were that you haven't heard
19 from Chris Machiela who works for me, we were waiting on
20 today's decision to figure out do we add that as part of the
21 project. Because when you have a petition like this, this is
22 kind of an open end to take care of a lot of problems with
23 one petition, and go, have the engineering firm go look at it
24 and figure out what solutions are.

25 Again that boundary could change. Some people got

1 the notice because you live nearby. That doesn't mean you're
2 in or out. We just try to notify everybody by law that you
3 could be; and if you're not, good for you. If you're in,
4 it's that adjustment.

5 Per drain code I try to mail even the neighboring
6 people who are in that, because again it changes. That's an
7 old drainage district that's been around for a long time.

8 A lot of these drains per the minutes have been
9 around since 1800s. So I haven't been around that long, but
10 these drains have been and they're hard to upkeep.

11 They are a utility, whether it's drinking water,
12 sanitary, storm water. In today's environment it's very
13 critical because your house could get flooded, the water
14 quality, the impacts, just your livelihood, and mosquito
15 breeding grounds, you name it.

16 So again storm sewers and storm water is about as
17 critical as anything anymore, and we take it very seriously
18 in our department.

19 So if there is any issues, be sure to reach out.

20 Dan will stick around after the meeting.

21 Again if you want to read the minutes, usually it
22 takes her about four to eight weeks, depending on how busy
23 Margie is to get those to me. We do post them on the
24 website, everybody can read them.

25 If you need a hard copy because you don't have

1 internet or anything, reach out to Sara in my department and
2 we're more than happy to mail you a copy of them. It's all
3 legal and it's all court reported.

4 That's all I have.

5 BOARD CHAIR RICH VANDER KLOK: Thank you, Joe.

6 Seeing there is no other business, I will make the
7 motion to adjourn.

8 BOARD MEMBER LARRY BRUURSEMA: So move.

9 BOARD CHAIR RICH VANDER KLOK: And it's supported
10 by Larry.

11 Motion made by Rich, supported by Larry.

12 All those in favor to adjourn, say aye.

13 BOARD SECRETARY KEN SOUTER: Aye.

14 BOARD CHAIR RICH VANDER KLOK: Aye.

15 BOARD MEMBER LARRY BRUURSEMA: Aye.

16 BOARD CHAIR RICH VANDER KLOK: That's carried. We
17 are adjourned.

18 Thank you all for coming.

19 (Board of Determination concluded at 11:20 a.m.)

20

21

22

23

24

25

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

CERTIFICATION OF COURT REPORTER AND NOTARY PUBLIC

STATE OF MICHIGAN)

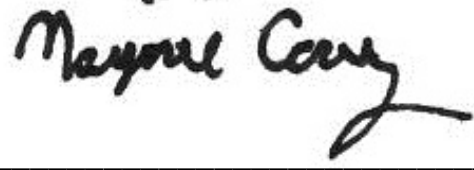
) SS

COUNTY OF MUSKEGON)

I certify that this transcript, consisting of 58 pages, is a complete, true and correct record of the Board of Determination, to the best of my ability, on July 27, 2021.

I also certify that prior to taking this deposition

DATE: July 30, 2021



MARJORIE A. COVEY
Michigan License CSR-2616
Washington License 20109173
Oregon License 20-0468
Illinois License 084-004911

Notary Public Expires: October 14, 2021, Muskegon County, Michigan/Acting in the State of Michigan

<hr/> <p style="text-align: center;">\$</p> <hr/> <p>\$5,000 3:13, 16</p> <hr/> <p style="text-align: center;">1</p> <hr/> <p>10 4:1</p> <p>10411 32:10</p> <p>10554 37:3</p> <p>10564 39:14</p> <p>10703 28:12</p> <p>10745 47:7</p> <p>10848 33:13</p> <p>10881 42:1</p> <p>10:00 2:2</p> <p>1100 3:14</p> <p>11:20 57:19</p> <p>1200 3:14</p> <p>15 38:5</p> <p>150 15:15</p> <p>18 38:5</p> <p>1800s 56:9</p> <p>1882 26:2</p> <p>1886 15:14</p> <p>1954 15:17</p> <p>1982 14:4,10, 15 15:17 50:20</p> <p>1988 21:24</p> <p>1991 15:1 19:2</p> <p>1998 15:9 16:2 50:21</p> <p>1999 18:1,16</p> <hr/> <p style="text-align: center;">2</p> <hr/> <p>20 4:1 15:3,18 29:14 37:9</p>	<p>2013 2:9</p> <p>2021 2:2 3:17 18:1 19:1 53:13</p> <p>22 40:6 53:13</p> <p>24-inch 23:9</p> <p>27 2:2</p> <hr/> <p style="text-align: center;">3</p> <hr/> <p>30 13:6,15 16:8 18:6</p> <p>30-plus 5:8</p> <hr/> <p style="text-align: center;">4</p> <hr/> <p>40 5:12,14</p> <p>4000 32:25</p> <p>433 13:8 21:24</p> <p>48-inch 13:3 22:15 23:7 51:6</p> <hr/> <p style="text-align: center;">5</p> <hr/> <p>50 13:15 16:8</p> <p>500 4:1 8:22</p> <p>5947 44:15</p> <hr/> <p style="text-align: center;">6</p> <hr/> <p>60th 13:1,2,4, 5 17:19 18:14 20:21,25 21:19,20 22:12,14,15 23:1,8 27:5,12 33:13,15 37:3, 16 38:1,17,20 39:14 42:1,12 50:2,7 51:6</p> <p>64th 12:24 21:3</p> <p>68th 12:24 18:4 20:15 32:10 47:6,9</p>	<hr/> <p style="text-align: center;">7</p> <hr/> <p>7041 31:18 32:6</p> <p>7343 48:13</p> <p>7712 29:12</p> <p>7754 29:23</p> <p>7773 43:1</p> <p>78th 12:16,17, 22 15:2 18:4, 5,24 20:5,25 28:13 41:11 43:9,13</p> <hr/> <p style="text-align: center;">8</p> <hr/> <p>80s 15:25</p> <p>8th 15:19</p> <hr/> <p style="text-align: center;">9</p> <hr/> <p>90s 27:6</p> <p>91 15:18</p> <p>970 14:10 25:7 32:14</p> <hr/> <p style="text-align: center;">A</p> <hr/> <p>a.m. 2:2 57:19</p> <p>abandoned 17:14 21:10, 13</p> <p>ability 44:4</p> <p>accurate 14:8 26:15</p> <p>acres 14:10 25:7 32:14 33:20</p> <p>actuality 47:12</p> <p>Adams 39:14</p> <p>add 3:4,9,19 31:14 55:20</p>	<p>added 14:19 15:21 51:25</p> <p>adding 31:3 48:1 49:23 51:14,16</p> <p>additional 18:12 24:15 48:4 51:14</p> <p>address 7:20 10:12 27:25 28:10,12 29:10 32:5 47:6 54:3</p> <p>addressed 48:3</p> <p>adequately 48:3</p> <p>adjourn 57:7, 12</p> <p>adjourned 57:17</p> <p>adjustment 56:4</p> <p>adverse 16:18</p> <p>aerial 18:25</p> <p>affects 41:20</p> <p>afraid 7:21</p> <p>afternoons 2:19</p> <p>agencies 41:14</p> <p>agent 36:5 45:21</p> <p>agree 42:10</p> <p>agreement 21:24</p> <p>agricultural 13:14 16:9,12 19:18</p> <p>ahead 2:15 5:6 46:12 49:1</p> <p>aisle 8:20</p> <p>Allendale 2:1 3:3 4:2,8,9,22</p>	<p>5:4 9:7 12:6 25:5 27:7,16 31:18 33:17 36:9 38:3</p> <p>allowed 3:13, 15</p> <p>alluded 11:11 12:5</p> <p>amount 16:22 19:13,20 21:4</p> <p>amounts 39:5</p> <p>analysis 11:16 16:23</p> <p>answers 55:16</p> <p>anymore 56:17</p> <p>apologize 12:14 17:25</p> <p>apparently 42:1,4 48:15 54:14</p> <p>appeal 54:3,8, 9,12</p> <p>appears 19:25</p> <p>apply 24:18</p> <p>appointed 9:4</p> <p>aquatic 19:13 20:17 21:9</p> <p>area 4:17 5:18 13:13,18,23 15:7 18:4,5 19:7,9 20:2, 14,25 22:9,10, 21,23 23:3,5, 15,21,23 33:25 34:10 40:24 42:2,8, 21 43:3 44:2 45:9 51:11 52:6,7</p> <p>areas 13:12 17:3 19:11,12, 18 20:10,13 26:9,11</p>
---	---	---	--	--

asphalt 38:18	backed 38:4,5	Bass 12:15,23 28:17 30:16	32:4,8 33:12, 17 34:16 35:20 37:1 39:12 41:22 42:23,25 43:7, 8,10,14 44:13 45:4 46:14 47:2 48:9,24 49:1,14,15,17, 20 50:5,9,12, 15,24 51:10, 16,22 52:2,10, 13,16,22,24 53:9,17,18,22, 23,24,25 57:5, 8,9,13,14,15, 16,19	57:8,15
assess 25:1 35:8,10,16 36:1 48:22	backing 37:25	began 47:19	board's 7:22	bucks 32:25
assessed 14:9 15:4 32:24 42:22 48:17 49:7	backs 11:3 39:4	begin 37:23	BOD 54:10	buffer 21:4
assessment 6:16 25:3,10, 12 26:16 52:21 54:15	backup 17:16	beginning 6:2 35:4 36:6 40:7	BODS 4:11	buffers 19:18
assistant 6:18	backyard 17:20 28:23 30:24 32:3 37:7 38:11,13 39:8	benefit 35:8, 9,17 36:2	body 35:3	build 21:25
assuming 45:8	backyards 22:7,18,24 28:24 31:22 34:25 38:8 44:19	Berns 44:14 46:15	Boeringa 31:17 32:6	building 11:20
attach 4:24	bad 37:23 38:5 40:17,25 46:3	bid 24:22	bottom 23:11, 12,14	buildup 17:3 20:23
attend 41:7	badly 34:8	big 3:23,24 16:21 23:7 42:5 52:17,19	boundary 13:24 14:15, 22 47:13 50:19 55:25	built 18:17 47:25
attention 27:2	ball 47:17,20, 25	bigger 3:9	box 20:4	bunch 31:1
attenuate 18:10	bank 20:13,19	biggest 50:6	boy 3:25	burden 18:11
Avenue 22:12 23:1 27:5 32:10 33:14 37:4 42:1 47:6 50:7 51:6	banks 23:12 31:6	bit 12:14 19:6, 22 20:2,18 23:22,23 28:19,21 29:20 34:1 37:23 41:5	branch 3:4	business 57:6
awarded 24:23	barrier 23:18	black 44:18, 21 45:19 54:21	branches 15:20	busy 56:22
aware 26:25	based 6:14 12:12 14:22 16:5 35:8 49:18	Blackcherry 47:7	breeding 17:21 56:15	butts 39:23
awhile 36:16	basement 47:19	block 17:10	brick 38:3	<hr/>
aye 9:19,20, 21,22 10:4,5, 6,7 53:21,22, 23,24 57:12, 13,14,15	basically 7:11,21 13:21 15:5,10 20:25 21:1 22:12,25 35:16 36:1	blue 13:18 14:16 51:4	bring 30:2	C
<hr/>	basin 15:2,19 16:24 19:1,5, 24 22:3 23:5 29:13,25 36:18	blurry 12:14	bringing 31:4	<hr/>
B	basins 16:17 54:20 55:11	board 2:13 3:11 4:6,7,8, 10 5:1,13,18, 22,24 6:7 7:3, 6 8:6,8,24 9:4, 9,10,11,13,14, 15,16,20,21, 22,25 10:5,6, 7,8,17,18,23 12:9,10 16:4 24:7 25:16,17, 21 26:3,7,17, 19,21 27:14 28:16,19 29:1, 4,22 31:15	brought 27:2 36:8 46:13 54:4	call 54:23,24 55:13,15
back 2:9 7:10, 16,20 15:8,14 16:2 29:3 30:2,15 31:8 33:20 35:11 37:18,20 38:9 39:8,22,25 40:9,16,20 44:8 45:20	basis 54:25 55:5	board 2:13 3:11 4:6,7,8, 10 5:1,13,18, 22,24 6:7 7:3, 6 8:6,8,24 9:4, 9,10,11,13,14, 15,16,20,21, 22,25 10:5,6, 7,8,17,18,23 12:9,10 16:4 24:7 25:16,17, 21 26:3,7,17, 19,21 27:14 28:16,19 29:1, 4,22 31:15	bruursema 5:21 9:11,15, 22 10:7 26:19 52:16,22 53:17,19,24	called 45:19
				capacity 17:5 18:21
				capture 7:17
				care 33:2 42:17 55:22
				carried 10:8 53:25 57:16
				carrying 52:18
				case 12:9 25:20 51:25
				catch 36:18 54:20
				catching 49:22

caved 31:8	Chris 43:25 55:19	10:10,11,13, 15,20 26:24 27:23 28:3,5, 8,15 29:5,9 49:2,11,13,16 53:1,2	concerns 4:23 8:23 12:3 17:22 24:5 25:12	contributes 43:21
center 31:24	chuck 38:15		concluded 57:19	contributing 14:9
central 22:4	church 30:24		concrete 20:6 38:3,18	contribution 35:8 36:2
chainsaw 38:14	circuit 54:8, 10,12	commented 52:25	condominiu m 48:13	control 20:3 27:13 30:15 44:24
chair 5:19 8:17 9:25 10:6,8,18 25:17 26:17, 21 27:14 28:19 29:1,4, 22 31:15 32:4, 8 33:12 34:16 35:20 37:1 39:12 41:22 42:23 43:8,14 44:13 45:4 46:8,14 47:2 48:9,24 49:15 50:9 52:13,24 53:18,23,25 57:5,9,14,16	circular 31:10	comments 8:19,23,25 12:2 25:18 26:20 27:17 49:18,20,21 52:25 54:4 55:18	conductive 53:13	convenience 12:13 16:6 53:14
chairman 9:14,17 42:24	clarification 54:17	commission 4:9 5:9,10,23, 24 8:1,3 15:22 26:23,24 27:1, 10 31:19 32:12,13 34:7 35:1 36:13 53:5,6 54:25 55:14	conducted 16:25	convey 17:5 18:12,21
challenging 33:23	clarity 51:22	commissione r 2:8 7:5 9:5 12:8,9 13:10 19:15 21:25 24:25 32:19 51:7 54:24	confluence 12:22	conveyance 22:7
change 16:9 32:25 55:25	clay 30:7,11	commissione r's 27:12 44:1	confused 7:9, 15 25:21	conveying 19:16
changed 2:9, 11 14:5	clean 34:6,19 39:19 44:3,9 52:6	complaining 22:17 23:16	connect 15:12 22:12	cooperation 27:7
channel 17:4 18:12 19:21 20:16,18,22 21:2 23:11,12, 14	clean-outs 15:16,17	complaints 17:20 21:16	Connelly 11:8 21:12	copy 56:25 57:2
Chapter 15:3, 18	cleaned 38:2 43:17	complains 22:17 23:16	construct 9:6 13:9 25:14	corner 33:15
Chase 29:23	cleans 34:7 36:19	complete 24:14	constructed 15:1,19 18:16 30:5	correct 28:18 49:3 50:3,5,11 52:1,19
Cheryl 39:14 41:22	clear 38:14	complex 22:6,21 23:3	construction 19:2 24:21 29:15 34:21 36:15	correctly 48:18
chief 7:24	close 5:13,14 42:8	complicated 34:21	continue 18:19 34:11 35:22	cost 6:2,4 15:4 25:1,9 41:17
child 37:12	closed 49:13, 16	con 12:3	continues 12:23 40:17	costs 41:18
children 40:15	closer 18:5 20:15,20,21 21:3	concern 20:2 32:11 43:3 47:8,16,22 48:1,16	contour 14:21	county 2:7 3:15 9:5,8 16:15 26:23 31:19 35:2,3 36:10 45:12 55:1
choking 20:18	code 2:20 3:1 4:12 12:7 13:8 35:7 56:5	concerned 52:3,16	contractor 24:23 36:17	county-at- large 25:5
	collaborate 54:24		contractors 24:22	couple 5:11 11:12 14:25 17:14 19:3 22:23 39:6
	collaborated 8:4		contribute 35:9,17	court 6:23,25 54:8,11 57:3
	collects 23:9		contributed 35:18	
	combine 21:22			
	COMM 2:4 5:14 9:12 34:20 35:14, 23 45:6 50:4 54:5			
	comment			

crazy 6:9 55:7	39:6 54:9	49:4 53:9 57:19	discussion 53:20	41:10 42:21 43:3,17,20,23, 24 44:7,10 46:18 47:9,12 48:15 50:7,13, 25 51:5,7,14 52:8,18 53:12 56:5
create 17:11, 17	dead 23:13	determine 9:6 12:11 16:4 53:6	disease 17:22	drainage 4:13 5:16,24 11:22, 25 13:20,21, 24 14:11,15, 17 16:7 22:7, 11,23 23:2,17, 19 25:24,25 26:2,25 28:14, 20,25 33:3,8 37:11 38:15 42:2 43:21 48:1,19,20,23 49:6 50:14,19, 22,25 51:8,11, 12,20,24 56:7
creates 17:5 20:1 23:18	deal 55:8	determined 14:19,24 17:1 24:10,13 53:8	district 3:9, 23,24 4:24 5:4 11:22 13:20, 21,24 14:11, 15,17 15:6 25:24,25 26:2, 8,13 48:16,19, 20,23 49:6 50:14,19,25 51:12,21,24 56:7	drains 3:4,10, 14 17:14 30:24 32:16, 21 33:2,6 34:2,6 36:25 42:11,13,14, 18 44:17 45:3 46:2 47:1 55:2,6 56:8,10
creating 17:21 18:22 42:14	decision 7:22 24:8 54:8,10 55:20	determines 49:1	ditch 37:12,17 38:24 39:1,2, 9,16 43:21	draining 14:5
Creek 12:15, 23 30:16	deem 6:12	determining 32:16	Don 31:17	drawings 19:2 24:21 25:22,23
critical 56:13, 17	deep 46:18 47:1	developed 16:12 18:6 47:17 50:20	DONALD 31:17 32:6	drinking 56:11
crowd 8:20	department 2:10 35:10 36:4,14 45:11 54:11,23 56:18 57:1	developer 21:24 30:23	downhill 43:22	Drive 12:19 19:4 29:12,24 31:18 32:6 33:15 44:15 47:7 48:13
Crowe 32:9 35:13,19	depending 56:22	developers 44:17	downstream 12:16,21 18:24 22:13 48:8 49:21,22	drop 13:25
culvert 19:4, 7,23 20:5,9 21:10,13 23:8, 21	depends 36:13	development 13:9,15 16:14 18:15 22:2 33:16 34:4 38:8,24 42:5,7 44:16 45:2,10, 12,15 46:3,6 47:5 51:17,20	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	ducks 38:12 40:9
culverts 15:21 16:20 17:15	deposition 19:6,9,12	development 13:6 14:14 15:22 16:10, 16 26:4 45:8, 25 46:10 51:21 55:7	drawn 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	due 34:3
curb 16:17	deposits 20:21	development 13:9,15 16:14 18:15 22:2 33:16 34:4 38:8,24 42:5,7 44:16 45:2,10, 12,15 46:3,6 47:5 51:17,20	drains 3:4,10, 14 17:14 30:24 32:16, 21 33:2,6 34:2,6 36:25 42:11,13,14, 18 44:17 45:3 46:2 47:1 55:2,6 56:8,10	duties 2:12 9:3
curious 33:1	deputy 7:24	development 13:6 14:14 15:22 16:10, 16 26:4 45:8, 25 46:10 51:21 55:7	drainage 4:13 5:16,24 11:22, 25 13:20,21, 24 14:11,15, 17 16:7 22:7, 11,23 23:2,17, 19 25:24,25 26:2,25 28:14, 20,25 33:3,8 37:11 38:15 42:2 43:21 48:1,19,20,23 49:6 50:14,19, 22,25 51:8,11, 12,20,24 56:7	
cut 41:18	describe 54:2	development 13:6 14:14 15:22 16:10, 16 26:4 45:8, 25 46:10 51:21 55:7	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	
cuts 48:20	design 11:15 24:14,20	development 13:6 14:14 15:22 16:10, 16 26:4 45:8, 25 46:10 51:21 55:7	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	
<hr/> D <hr/>	desire 10:11	development 13:6 14:14 15:22 16:10, 16 26:4 45:8, 25 46:10 51:21 55:7	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	
daily 54:25 55:5	destroying 31:5	Devries 33:13 34:18 42:10 44:17	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	
Dan 6:18 10:25 11:5,7 21:13 25:17, 19 26:1,4,10 45:7,10 50:10, 11,13,17 51:2, 13,19 52:1,9, 20 56:20	detail 17:23	died 40:12	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	
dashed 13:22	detailed 14:20	differently 50:8	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	
date 44:5	detention 15:1,19 16:17, 24 18:9 19:1, 5,24 20:4 22:3 23:5 29:13 45:13	digging 30:6	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	
day 25:10 38:6	determinatio n 2:13 3:11 4:6 7:7 8:6 9:4 12:10 16:4 24:8 48:25	directly 47:5, 10,14	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	
days 14:21 31:11 38:9,10		dirt 42:13 46:4	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	
		disappointed 41:5	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	
		discharge 9:3 43:23	drain 2:8,16, 20,25 3:5,8, 14,16,20,23, 24 4:12,23,24, 25 5:3 6:7 9:7 11:12,13,18, 21,23 12:4,7, 8,15,16,23,25 13:7,8,9,10,22 14:1,2 15:8, 10,11,14,23, 25 16:2,3 17:2,3,9,11,18 18:21 19:8,15, 17,19,21,22, 24 20:22,23, 24 21:5,7,9, 16,18,20,25 24:11,15,25 26:8 27:11 29:18 30:18, 19 31:11,19, 24 33:23 35:2, 3,7 36:6 37:9, 15 38:1,20,23	

<hr/> E <hr/>	entities 53:6	4:12	filling 24:16 34:10	found 11:18 12:1 14:6 17:14
earlier 49:2	environment 56:12	experienced 5:3	fills 17:4 29:18	Fredricks 11:1,5,7 21:13 26:1,4,10 50:11,13,17 51:2,13,19 52:1,9,20
early 27:6	eroding 31:5 45:1	explained 10:23	find 7:6	free 27:23 28:6
easement 22:9,10,11 36:11	erosion 20:1, 14,19 36:4 45:18	extend 21:22	fine 40:9	front 14:13 28:4 34:24
easements 24:18 44:3 51:8	establish 9:6	extended 33:19 51:1	finish 35:21, 23	full 36:16 38:15,21 40:15 41:7 55:12
east 3:8 13:5 15:2,19 17:19 18:14 21:20 22:15 30:19 37:5 43:4 50:1,6	established 13:7 15:8,14 16:2 51:5	extending 27:11	firm 55:23	function 2:12 10:22 21:14
edge 44:7 47:18	Estate 42:8	extensive 15:24	fix 31:4,13 33:6 53:2	functions 44:10
effect 16:18	Estates 13:7 15:8,11 16:1 17:18 18:15 21:18,23 23:1, 10 24:1,17 26:12 27:4 37:6,18,21 39:18 44:15 47:5 50:20	<hr/> F <hr/>	flat 23:13 43:22	future 18:20
elected 2:9 5:2 7:7,12	evening 41:6, 9	fact 34:3 45:3	floating 40:9	<hr/> G <hr/>
empties 31:11	events 36:21 46:11	fair 52:20	flood 36:23	gap 15:10 24:16 26:25 27:3
end 6:13 7:2 12:21 17:19 18:24 22:4,13 26:8 27:3 28:17 30:9 31:10,21 35:4 36:6 37:5 39:6 40:11,13 49:21,22,25 52:3,4 55:22	everybody's 25:15	faithfully 9:2	flooded 22:18,23 37:7 46:22 56:13	gave 11:13
engineer 4:21 5:9 7:2 10:25 11:5 21:12,13 26:1,4,10 49:2 50:11,13,17 51:2,13,19 52:1,9,20 53:4	everyday 36:5	falls 13:25	flooding 13:11 17:6,11, 17,20 18:22 22:24 37:22 38:8 44:20,22, 25 48:6	general 13:13 15:23 17:2 28:24
engineering 11:8 24:14 44:4 55:23	evidence 11:17	Falstrom 29:11	flow 17:10 18:21 19:22 21:7,15 23:19 30:21 48:4	generally 16:11,13 24:23
engineers 11:9	examples 22:18	families 39:24	flowing 19:8	gentleman 28:8 35:5 36:7 40:23 47:3 48:11 54:14
ensure 48:7	exceed 10:15	favor 9:19 10:4 27:10 52:11 53:21 57:12	flows 17:5 18:11	gentlemen 8:12,16 9:1,8 29:9 49:19
entire 37:17	excessive 17:7 39:5	feel 27:23 28:6 39:18	focused 19:16	Georgetown 5:17,18,22
	Excuse 32:4 35:20	feet 23:14 31:7 42:16 47:1	follow 45:15 54:13,16	giant 38:4
	exercise 42:12	fenced 29:17	forgot 6:24	give 4:17 7:19 8:5,11 10:12
	existing 23:4	field 11:10,18 23:24 24:4	forgets 13:19	
	expense 41:16	fields 47:17, 21,25	forward 6:11 15:13 28:7 44:11 49:7 53:3,10	
	experience	figure 46:24 55:20,24	forwards 8:18	
		figured 24:1		
		fill 30:17 55:15		
		filled 30:22 54:20		

<p>11:1,20,21 12:17 25:11 27:24 28:10 29:10</p> <p>good 2:4 16:11,15 18:7 35:5 42:25 45:23 48:12 56:3</p> <p>Gooden 41:25</p> <p>goodness 39:21</p> <p>grade 31:23</p> <p>gradient 23:23</p> <p>grand-kids 40:25</p> <p>grandchildre n 40:16</p> <p>grandpa 37:11,16 39:2</p> <p>grants 41:17</p> <p>grass 42:13 43:20 55:12</p> <p>great 26:1,14 39:15 51:13</p> <p>ground 16:14 47:20</p> <p>grounds 17:21 56:15</p> <p>growing 17:8, 9,10 19:14,20 42:14 45:25 55:12</p> <p>grown 40:15</p> <p>growth 19:14</p> <p>guess 18:2 32:11 40:10 42:4,20</p> <p>guys 4:20 8:14 14:13 32:15</p>	<hr/> <p style="text-align: center;">H</p> <hr/> <p>half 25:24 40:3</p> <p>hand 9:1</p> <p>handle 16:21 48:3 55:16</p> <p>handled 50:8 51:18</p> <p>hang 25:20</p> <p>happen 26:6</p> <p>happened 13:6 35:11 42:12</p> <p>happening 51:20</p> <p>happy 25:16 57:2</p> <p>hard 17:25 19:5 20:12 21:1 25:23 38:10 56:10, 25</p> <p>hatched 22:9</p> <p>Hawkins 43:1,6,10,12</p> <p>headache 45:25</p> <p>heads 47:9</p> <p>heads-up 4:18</p> <p>health 12:12 16:5 53:14</p> <p>hear 2:5 4:18 8:25 12:11 24:4,5 28:2 49:20 52:3,4, 10</p> <p>heard 24:11 44:5 49:18 52:17 55:18</p> <p>hearing 2:13, 15,20 3:10,22</p> <p>heart 39:21</p>	<p>heavy 32:1 46:18 51:4</p> <p>held 41:6</p> <p>helpful 6:22 43:15</p> <p>helping 48:7</p> <p>Hidden 28:13 30:18,20 43:2 48:14</p> <p>high 19:19 23:21</p> <p>higher 31:23</p> <p>highlight 18:2</p> <p>highly 14:20 16:12</p> <p>hire 6:24</p> <p>historic 14:17 26:12</p> <p>historically 13:14</p> <p>history 10:24 11:23</p> <p>hit 30:7</p> <p>hold 2:12,21 3:10,21 4:3</p> <p>holding 44:22 47:10,14</p> <p>holds 12:9 30:14</p> <p>Holthof 37:3</p> <p>homes 23:16 33:17 34:23 39:17</p> <p>honorable 42:24</p> <p>hooked 30:24</p> <p>hooking 33:9</p> <p>hooks 38:25</p> <p>hookup 32:21 33:1</p> <p>hope 41:12,17</p>	<p>horrible 40:11</p> <p>house 30:3 32:17 44:6 46:17 47:22 56:13</p> <p>houses 18:16 22:8 23:19 28:14 39:20, 23 46:21,25</p> <p>housing 34:3</p> <p>huge 21:6</p> <p>hundred 4:1 45:13</p> <p>hundreds 33:21</p> <p>husband 40:6 41:7</p> <hr/> <p style="text-align: center;">I</p> <hr/> <p>idea 41:10</p> <p>identified 22:10</p> <p>impacts 56:14</p> <p>impede 17:10 19:22</p> <p>impervious 16:13,19 18:13</p> <p>impetus 53:4</p> <p>importantly 12:1</p> <p>imposed 9:3</p> <p>improve 34:14</p> <p>improvement 53:12</p> <p>improvement s 12:7</p> <p>inadequate 23:17</p> <p>inaudible 26:12 33:16</p>	<p>37:10,14 47:1</p> <p>inches 29:21</p> <p>include 27:11</p> <p>includes 42:2</p> <p>incorporate 48:18</p> <p>increased 16:19</p> <p>indicating 20:22 22:13</p> <p>individuals 25:8</p> <p>infiltrate 16:14</p> <p>information 7:22</p> <p>infrastructur e 22:1</p> <p>inheriting 48:8</p> <p>inlet 23:21</p> <p>inspect 36:16</p> <p>inspector 36:5</p> <p>inspects 36:5</p> <p>installed 27:6,7</p> <p>intend 53:3</p> <p>intense 36:21</p> <p>internet 57:1</p> <p>interrupt 2:23</p> <p>introductions 5:6</p> <p>investigated 16:24</p> <p>investigation 17:24</p> <p>involved 8:16 41:14</p> <p>island 30:4,5, 25</p>
--	---	---	--	--

issues 4:23 11:13,18,25 13:11 16:7,25 17:12 20:1,7, 11 27:1 28:15, 21,22,25 37:22 38:1 54:4 55:9 56:19	36:10,14	57:5,9,14,16	36:10,11 57:3	16:16 17:7,8, 9,19 18:6 20:17 23:16 26:5,11 29:17 30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
item 10:25 17:13	<hr/> K <hr/>	knee 46:17	legalistic 51:3	20:17 23:16 26:5,11 29:17 30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
<hr/> J <hr/>	Kellander 47:4	knees 32:2	legally 51:5	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
jams 17:15 21:2	Ken 5:8,11,13 9:10,13,20,23 10:2,5,17,19 25:18,21 26:3, 7 28:16 43:7, 10 49:14,16, 19,20 50:5,12, 15,24 51:10, 16,22 52:2,10, 25 53:22 57:13	<hr/> L <hr/>	level 18:9 23:24	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
Jason 37:3 39:13,15,20	Kevin 32:9 35:13,19	lack 19:18	leveled 47:20	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
Jerry 8:1,2 26:21,23,24 27:15	kick 42:15	lady 54:19	life 37:17	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
jets 20:1	kids 38:8	lake 12:19 25:23,24 30:19,20 31:7 48:14,20	lifted 46:18	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
Jim 47:4 48:10	kind 6:9,16 11:11,16 13:22 14:2 18:10 19:5,17, 20 20:7,10,12, 14,18,19 21:1, 6 22:4,7,21,22 23:2 24:3,16 25:23 27:8 33:18 34:12, 20 37:10 38:25 41:18 43:19 55:22	lakefront 40:7	limit 10:11,20	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
job 2:12 4:14 6:11 25:14	kinds 55:4	land 6:18 11:7 13:17 14:5 18:18,20	limited 55:3,8	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
Joe 2:4,7 4:21 5:14 6:11 9:12 10:23 11:11, 20 12:5 29:6 30:13 34:17, 20 35:14,21, 23 37:1 44:23 45:4,6 50:3,4 54:2,5 57:5	KLOK 9:9,16, 21,25 10:6,8, 18 25:17 26:17,21 27:14 28:19 29:1,4,22 31:15 32:4,8 33:12 34:16 35:20 37:1 39:12 41:22 42:23 43:8,14 44:13 45:4 46:14 47:2 48:9,24 49:15 50:9 52:13,24 53:18,23,25	lands 3:9 14:17,19	lines 29:3	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
John 32:4 44:14 46:15		landscape 16:9	list 45:13	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
Johnson 42:24 43:1,12, 16		landscaping 44:6	live 25:8 29:12 31:18 32:5,9 39:20 41:25 42:1 43:1,5 47:5 48:15,18 56:1	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
joined 11:8		Lane 28:12,24	livelihood 56:14	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
Josiah 7:23		large 22:6	lives 40:23 46:16	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
Julie 33:13 34:18 44:17		Larry 5:21 9:11,15,18,22 10:7 25:18 26:17,19 49:18 52:14, 16,22 53:17, 19,24 57:8,10, 11,15	living 39:24	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
July 2:2		law 2:21 3:1 6:21 9:4 35:8 45:18 56:2	loading 19:19	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
June 32:1		lawns 45:1	localized 17:5,17	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
jurisdiction		leaves 34:2 38:15 55:12	locate 9:6	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
		left 5:7 18:1, 24,25 34:23	located 9:7	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
		legal 2:20,25 12:25 35:3	location 3:22	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
			log 17:15 21:2	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
			long 4:11 5:20 36:24 39:10 41:13 56:7,9	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
			looked 14:4 16:23 22:20 27:5 44:2 45:21	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
			lost 30:8 31:7, 8 40:12	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
			lot 2:18 4:11, 16 5:15 11:9 13:15 14:20	30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8
				30:12 31:24 34:3 36:9 37:22 38:19 42:11,12 44:18,19 46:1 55:1,2,7,11,22 56:8

majority 29:25	55:13	54:6,13 56:8, 21	<hr/> N <hr/>	nuisance 17:20 22:24
make 3:9 6:13 7:19 9:13,23 10:11,13,14 14:1,7 24:8 26:14 27:23 28:4 36:17,19 42:18 44:10 45:16,21,22 46:10 48:3 49:11,12,17 52:5 53:11,15 54:17 55:9 57:6	measures 46:6	MIOTTAWA. ORG 7:4	Nancy 41:25 42:23	numerous 3:7
makes 19:17	meeting 6:13 7:7 8:13,17 32:20 41:6 45:14 54:16 56:20	missing 8:7	natural 23:3	nutrient 19:19
making 7:22 33:10	meetings 5:5, 19 32:15	misspoke 32:19	nature 17:16, 22	<hr/> O <hr/>
man 31:9	Megan 11:8,9 21:11,12	Mitch 43:1 44:13	nearby 56:1	Oak 47:5
mandates 12:8	member 5:13, 18 9:9,10,11, 13,15,16,20, 21,22 10:5,7 26:19 52:16, 22 53:17,24 57:8,15	MITCHELL 42:24 43:12, 16	necessarily 15:5	oath 8:11,12
manmade 17:15	members 4:10 5:1 6:7 7:3 9:4 42:25	modern 14:14	necessity 9:6	obstructing 21:15
map 3:8,23 12:14 13:18, 20 14:8,10,12, 13,14 18:1 26:15 37:13 38:25 47:8,9 48:16,17 49:3 50:18 51:23	mentioned 44:17	monsoon 40:20	neighbor 46:20	obstructions 17:13 20:24
maps 14:21 51:4	mess 21:6	morning 2:4, 17,19 40:7 42:25 48:12 54:7	neighbor's 28:24	obtain 24:17
March 53:13	met 7:23 11:12	mosquito 56:14	neighborhood 41:11 44:16	offense 11:3
Margie 6:22 7:10,11,18 56:23	Michigan 2:1 12:7,19 24:19	mosquitoes 17:21 40:11	neighboring 46:10 56:5	office 12:5 21:17 44:1 53:5
Marshall 29:23 33:5 53:1	microphone 27:25 28:1	mosquitos 40:17,21,25	neighbors 43:19 44:8,20, 24 46:18 47:18	older 33:18
massive 44:16	middle 14:3 52:5,11	motion 6:13 9:13,16,23 10:1,2,14,19 31:11 49:12, 15 53:11,15, 20 57:7,11	neutral 8:15	Olman 8:1 26:24
MDOT 25:3 32:13	mile 3:14,16	move 6:11 8:17 24:6 49:7 53:10 57:8	newer 26:5 28:12	ongoing 41:1, 4
Meadowbrook 32:17	miles 12:24	moved 40:6 41:16	news 16:11	online 55:14
means 3:3 13:25 15:3	mine 7:8	moves 46:2	nice 7:16	open 12:2 24:6 46:4 55:22
	minimal 20:10 41:17	moving 46:4	night 2:19,22, 23,24	opportunity 10:10 25:11 44:9
	minor 20:7,10	multiple 28:14,20	north 12:19 13:4 18:3 30:10,25 37:19 43:5,6 47:12	order 28:1 53:9
	minus 25:7	municipalities 15:5	northeast 39:1	orientation 12:18
	minute 7:15		note 18:7 19:3	original 15:14 21:16
	minutes 7:6, 10 10:15 35:15 46:9		notice 23:4,13 42:6 56:1	originally 41:2
			noticed 17:2 29:15 34:1	orphan 31:19 36:8
			notify 56:2	orphans 36:9

Ottawa 2:7 3:15 9:5 16:15 26:23 31:19 45:12 55:1	3:25 4:1,4,19, 22 6:16 8:22 14:8 29:6 33:16 39:18, 25 47:23 48:5, 7,22 52:4 55:25 56:6	39:7	pretty 8:21 13:16 16:8,15 20:10 23:13 36:21 37:8,24 38:15 39:4 55:17	properly 29:17 33:23
outcome 49:8		piece 38:23 50:1		properties 3:19 5:3 14:5 22:23 39:4 43:5 48:14
outer 40:24		Pierce 12:20 18:3	prevent 46:5 48:6	property 3:7 7:16 11:13 15:6 19:24 21:17 22:5,17 29:3 30:1 36:12 37:19 39:22,24 40:1, 3,8 41:3 43:4 47:11,14,17 48:2 50:1,6
outlet 4:25 15:2 20:3	people's 2:24 36:12 39:17	piling 30:8	preventive 46:6	proposed 9:7 42:5 53:11
outlets 23:2 28:17	perform 9:3	pipe 22:15	primary 43:3	public 2:13, 15,20 3:10,21 7:2,19 10:10, 11,14,20 12:2, 12 16:5 24:4,7 26:20 27:22 28:3,5,8 29:5 49:13,16 53:13,14
overgrown 43:18	perimeter 13:23	place 47:25	prior 26:15	pulled 38:3 44:21 46:19
overview 11:19,21	permits 24:18	places 34:9	pro 12:3	purpose 5:25 42:19
owned 41:3	person 10:15	planning 4:8	probate 54:11	pushback 2:23
owner 7:16 19:25	petition 3:2,3, 7,12,18 6:2 12:6 14:6,18, 23 15:3,13,18, 24 16:5 23:25 24:10 55:21, 23	plans 27:5	problem 31:23 33:8 41:1,20 47:23 48:2,8 52:17, 19	pushed 20:9
owners 3:7 11:13 15:6 21:17 22:17	petitioned 15:16 53:12	plugged 34:2, 8 36:20 38:9 39:3 42:11,13 44:18 45:3 54:22 55:13	problems 33:4 47:19 48:6 49:23,25 52:3,4,5,11 55:22	put 3:4 7:20 18:11 24:21 25:9 30:5 32:25 33:24 36:17,18 43:19 44:6 46:8 47:18 55:16
<hr/> P <hr/>	petitions 7:5	point 24:25 26:1,14 35:5 51:13	PROCEEDIN GS 2:3	putting 30:24
pains 46:1	ph 41:2	pointed 48:20	process 4:6 6:3 12:8 13:8 15:1,24 25:13 41:13 54:3	<hr/> Q <hr/>
pallets 17:15 21:8	Phil 29:11	pointing 22:4	product 45:2	qualified 24:22,23
panel 4:10 5:1 7:2	phone 55:16	points 14:25	profile 23:6,7	quality 19:16
parallels 13:3	photo 18:14, 25	pond 19:10,14 20:4,14 29:19 30:8,14,17,21 37:20,24 47:10,15	project 4:14, 15 6:1,8,17 8:5 11:15 12:4,12 17:1 21:21 24:9,20, 24 25:1 35:9 41:16 49:1,7 53:7 54:15 55:21	
part 12:8 15:3 16:25 21:21 26:6 27:6,9 37:24 38:23 39:7 42:4 50:7 55:20	photograph 18:25	ponding 17:21 22:17, 24	proper 23:19	
passed 37:11	photographs 11:17 19:10 20:13	portion 25:4, 5,6 43:3,17, 20,23 44:10 49:12		
past 6:22 36:22	physically 25:14	post 56:23		
pay 25:4,5,6 32:21 33:3,10	pick 4:7,10 8:17	potential 11:17 12:4 17:11 25:12		
paying 35:7	picked 3:22 14:13	potentially 19:25 21:21 24:15,18 51:7		
pays 32:11,12	picking 52:24	preliminary 11:12,14		
peak 18:11	picks 21:20	presentation 6:19 11:19		
people 2:18	picture 30:2			
	pictures 31:20 37:6			

56:14	redrawn 48:17	responsible 34:6,18 39:18 54:19	roll 25:10	schools 33:7
question 34:5 35:19 36:3 42:4,20 44:23 49:9 50:6	reevaluate 45:7 46:9 49:5	restrict 21:7	room 4:20	scope 11:15 53:7
questions 8:14,25 25:16, 19 54:18	refine 14:21	retention 37:20,24	root 40:13	screen 11:2
quickly 8:21 25:22 55:17	relationship 43:9	retired 5:8,10, 15	roots 33:22	seconded 9:17 10:3 49:16
<hr/>	remainder 25:6	review 14:18 25:10 45:16 46:12	route 36:12	secretary 6:23 7:25 8:17 9:24 10:2,17 25:21 26:3,7 28:16 43:7,10 49:14,20 50:5, 12,15,24 51:10,16,22 52:2,10 53:22 57:13
R	remember 35:15	reviewed 45:11,21 46:11	row 28:4,5 31:16 37:2 41:23,24	Section 13:8
<hr/>	removed 14:20 20:23 38:17	Rich 5:17 9:9, 14,16,17,21, 25 10:3,6,8, 18,19 25:17 26:17,21 27:14 28:19 29:1,4,22 31:15 32:4,8 33:12 34:16 35:20 37:1 39:12 41:22 42:23 43:8,14 44:13 45:4 46:14 47:2 48:9,24 49:15, 16 50:9 52:13, 24 53:18,23, 25 57:5,9,11, 14,16	ruined 40:13	sediment 17:3,4 19:6,9, 12 20:21,23 23:18 30:16 46:2,19
rain 32:1 34:8 36:21 38:10 40:2,5,18 44:21 46:11	rental 39:24	rip 20:8	rules 10:9	sees 53:9
rains 29:20 31:20,21 44:18	replaced 15:21	riparian 21:4	run 8:13,17 39:17 43:22	sense 19:17 50:22
raise 9:1	report 10:25 11:14 55:9	rise 9:1	running 5:5	separate 21:18
raised 47:20	reported 57:3	road 5:9,10,23 7:14 8:1,3 15:22 18:16 26:23,24,25 27:1,8,10 32:12 34:7 35:1 36:13 53:5 54:20,25 55:14	runoff 16:13 18:13 40:5 42:18	serve 9:14,17 10:2
raises 23:14	reporter 6:23, 25	roads 33:24 34:9,12 36:20, 23,24 55:2	runoffs 40:2	served 5:22
Ranger 28:11, 18,23 29:2	reports 55:16	role 10:22	runs 31:22 43:4	serving 21:14
reach 56:19 57:1	represent 37:10		Ryan 28:11, 18,23 29:2,4	set 23:21
read 7:10,16 56:21,24	representativ e 27:16		<hr/>	severe 31:21
real 29:19 33:1	request 3:4,7, 19 55:15		S	Sevey 2:16 3:5,8,20 4:23, 24 9:7 12:7, 15,21 14:1 15:1,10 19:7, 23 21:18,19, 22 24:11,15, 16 27:3,9,11 29:12,18,25 47:9 50:7,13, 23,25 51:5 53:12
reason 3:12 7:8	required 6:21 9:3 45:11,18, 20 46:6		sack 46:19 54:21	sewer 13:3
reassess 49:5	residential 16:10 19:18		sacks 34:22 36:16,18 45:19	
recedes 36:24	residents 48:18		safety 7:8	
receding 38:7	resource 6:18 11:8 53:5		sand 29:17 30:7,12 34:3	
received 12:5 21:17	Resources 2:4,7 5:14 7:5 9:5,12 12:9 27:12 34:20 35:14,23 45:6 50:4 54:5,24		sanitary 27:8 56:12	
recent 14:12			Sara 7:24 37:14 55:15 57:1	
record 55:3			scenario 35:11,24	
recorded 6:25			schedules 2:24	
			school 29:16 47:10,14,17	

22:2,12 27:6, 8,11 31:19 34:6,11 51:7	Smeckert 48:12,13	spillway 20:7	15:11 21:19 31:14 37:18 51:5	supplied 18:22
sewers 55:11 56:16	smoothly 8:21	split 25:24	storm 13:3 16:22 22:1,2, 3,12 27:5,11 31:21 32:16 42:13 44:21 51:6 55:11 56:12,16	support 9:15 10:16,17 53:17
shallow 29:19	snow 40:3,5	sports 2:24	street 12:16, 17,20,22,24 13:4 15:2 18:5,24 23:8 28:13 32:7 33:19 34:25 36:7 41:11 42:3 43:2,6, 11,12,13 46:5 47:6,9	supported 10:18,19 53:16,19 57:9, 11
share 24:2 26:22	sod 42:14	spread 17:22 25:7	strictly 6:15	supposed 30:10,14,20 31:24 34:5,12 38:6
she'll 7:17	soil 36:4 45:18	spring 22:19 40:2,19	structural 20:7	surfaces 16:19 18:13
Shores 28:13 30:18,20 43:2	soils 46:2	staff 2:10 7:23,25 45:22 46:9 55:2,4,8	structure 20:3	surprised 27:9
shovel 42:16	solemnly 9:2	stand 27:24	stub 23:9	survey 22:25 23:6 24:15
show 8:4 17:23 37:13 38:25 39:10	solutions 55:24	standards 16:15 45:12, 14	stuff 31:1 33:2,6,7	swale 23:3
showed 4:1 30:2,19 37:15 38:25	son 46:16,20	standing 29:1,2 31:21, 25	subdivision 29:16 32:5,17 43:2 46:16 47:13,18	swear 9:2
showing 47:9	sounds 6:9 33:8	start 5:6 7:1 28:4	subdivisions 16:10 18:8 28:13 35:6	swimming 38:13
shown 50:7 51:23	Souter 5:8,13 9:10,13,20,23 10:2,5,17 25:21 26:3,7 28:16 43:7,10 49:14,20 50:5, 12,15,24 51:10,16,22 52:2,10 53:22 57:13	started 2:15 5:10 30:7,23	substantial 19:13	sympathize 48:5
shut 39:4	south 12:20 18:3 22:15 23:8 30:6 43:13 47:14, 18 48:14	starting 18:23 19:12 30:17	starts 12:21 15:10 23:7 55:12	system 30:15 33:8 38:20 40:13
shy 12:25	southern 22:4	state 2:20 3:1 7:20 16:13 24:19 28:15 35:7	stated 16:1	<hr/> T <hr/>
side 18:3 30:5,7 37:20 43:5,6 46:3 48:14 54:20	speak 7:20 8:24 10:21 27:17,19 34:17 45:5 47:23	starting 18:23 19:12 30:17	sticking 21:14 30:9	takeover 51:8
sign 7:24	specific 28:20,21	starts 12:21 15:10 23:7 55:12	stick 56:20	takes 42:17 56:22
signed 21:24	specifically 32:20	state 2:20 3:1 7:20 16:13 24:19 28:15 35:7	stopping 29:12,23	talk 11:20 12:1 13:12 14:25 15:7 43:25
significant 13:16 16:9 23:17	specification s 24:22	stated 16:1	stopping 29:12,23	talked 10:22 15:18 16:3 18:7 30:13 32:14 37:14
silt 29:16 34:22 36:16, 18 43:18 45:19 54:21	spectrum 37:5	stated 16:1	stopping 29:12,23	talking 22:22 32:12 33:5,7 39:16 45:8 52:6,7
sir 28:9	spend 3:13,15	stated 16:1	stopping 29:12,23	
sit 8:12		stopping 29:12,23	stopping 29:12,23	
site 34:21		stopping 29:12,23	stopping 29:12,23	
sites 36:15		stopping 29:12,23	stopping 29:12,23	
slightly 47:12		stopping 29:12,23	stopping 29:12,23	
small 22:3		stopping 29:12,23	stopping 29:12,23	
smaller 20:8		stopping 29:12,23	stopping 29:12,23	

tap 35:6	three-minute 10:11,20	6 4:3,8,9,22 5:4,17,18,22 8:8,9 9:7 12:6 27:7,16,19 36:9 38:3 41:6	undeveloped 16:12	versus 19:16
tarp 44:18,21 54:21	three-panel 4:7	trash 21:8	undisturbed 46:1	View 47:5
tarps 45:19	thrown 17:15 21:8	tree 38:4	updated 26:2, 15	Visser 41:2
taxes 32:25	time 2:16,24 3:9 4:11 5:5, 20,22 7:1 8:20,24 10:11, 20 11:24 18:17 22:10 25:12,15 27:18,22 31:20,21 32:14 35:12, 25 36:24 38:12 39:11 41:7,21 43:16 44:12 56:7	trees 31:8 33:21,22 38:15 40:12	upkeep 56:10	visual 11:17
technically 42:21	times 31:25 38:2	tributary 12:15	upper 23:18 27:3 52:3,7,11	voice 12:3 25:12
technology 14:22	tip 30:9	trouble 34:1 42:9	upstream 12:23 17:19 20:12,20 26:8, 11 35:6 48:5	voting 6:9
ten 54:9	today 3:6,11, 12,18,22 4:5, 13,14,23 6:14 7:22,25 8:10 11:21 12:11 45:20,22 46:13 47:24 54:9,10	true 32:24	urban 16:13	<hr/> W <hr/>
term 51:3	today's 54:8 55:20 56:12	trust 37:10	urbanization 16:19	wait 7:15 26:19
terminus 12:16,25 20:20	told 32:23 35:13 37:16	turn 11:3 13:10 54:2	utility 56:11	waiting 55:19
terms 10:24 28:20 34:17 49:5,9	tomorrow 45:22	turned 30:23	<hr/> V <hr/>	walk-through 11:12
Terry 48:12, 13,24	tons 38:10,18	turnout 41:8	VANDER 9:9, 16,21,25 10:6, 8,18 25:17 26:17,21 27:14 28:19 29:1,4,22 31:15 32:4,8 33:12 34:16 35:20 37:1 39:12 41:22 42:23 43:8,14 44:13 45:4 46:14 47:2 48:9,24 49:15 50:9 52:13,24 53:18,23,25 57:5,9,14,16	walked 7:24 32:2
testimony 4:18 6:14 7:2, 19 8:5 12:11 24:4,7 27:22	top 23:12 34:12	turns 47:12, 13 51:6	Vanderklok 5:17 53:19	walking 42:11,15
thankfully 16:15	topography 47:20	type 21:4	vegetation 17:7,9,10 19:20,22 20:17 21:9 34:23 43:18 46:4	walks 54:19
thick 42:16	total 25:1	types 7:13	vegetative 19:13 21:6	wanted 18:2 28:15 41:7 51:23
thing 2:25 13:19 17:7 18:7,24 30:11 39:16 46:15	totally 8:16 49:3	typically 2:22 3:13	vents 45:19	watch 46:25
things 10:9 17:16 19:3 26:5 33:23 45:1,7,13,24	touch 36:11	<hr/> U <hr/>		water 2:4,7 5:14 7:4 9:5, 12 12:9 13:25 15:12 16:14, 22 17:16,21 19:16 22:1,18, 22,24 23:9 27:12 29:1,2, 21 30:15,20, 21 31:5,9,22, 25 32:1 34:10, 20 35:14,23 36:24 38:10, 13 39:5 40:8, 12,19 44:19, 22,25 45:6 46:1,17 47:1, 19 49:22 50:4 51:1,14,17 52:18 53:5 54:5,24 56:11, 12,13,16
thinking 3:25 43:20	township 3:3,	ugly 36:15		Watermark 48:13
thinks 35:2 55:4		ultimately 24:7,20		
thought 41:11 44:2		undermining 20:6		
thoughtlessl y 43:19		undersized 16:21 19:25 31:10		
thousand 55:6		understand 4:12,13 33:5		
		understandin g 44:1		
		understands 5:15,24		

Waterpoint
19:3

waters 38:6,7

watershed
3:24 11:22
13:17,21,24
14:9,18,22
15:9 16:20
35:4

Wayne 41:2

website 56:24

weekly 46:11

weeks 39:5,6
40:13,21
46:17 56:22

welfare 12:13
16:5 53:14

west 12:16,
21,22,25
21:19 22:16
28:13 31:10
37:16 42:1
43:2,4 47:9
51:6

wetland 22:6,
10,21 23:3
37:24,25

Winnie 28:12,
24

wondering
42:6,17

Woodcrest
13:7 15:8,11
16:1 17:18
18:15 21:17,
23 23:1,10
24:1,17 26:11,
12 27:4 33:2
37:6,18,21
39:1,17,25
40:6 42:8
44:15 49:25
50:20 51:9

wooded
20:25

woods 33:20
40:3,4

woody 21:9

word 6:25
7:17

work 2:22
11:10,24
23:24 24:19
55:1,7

worked 8:2

working 8:2
46:24

works 41:7
55:19

worse 38:22

wrap 20:8

write 6:24

writes 7:13

Y

yard 37:25
40:8

yards 34:24
43:22 45:1

year 3:14,16
22:20 23:25
24:12 45:13

years 5:8,11,
12,14,19,23
6:22 8:3 13:6,
16 15:15 16:8,
16 18:6 29:14
30:13 33:18
36:22 37:9
38:5 39:9 40:6
41:1 47:16,25

yelling 2:23

yellow 42:2
50:18

young 31:9
37:12