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STATE OF MICHIGAN
COUNTY OF OTTAWA

IN RE: SWISS VILLAGE SUB DRAIN
BOARD OF DETERMINATION

Proceedings commenced at 11:30 a.m., on Thursday,
December 5, 2019, at the Barber School Community Building,
102 West Exchange Street, Spring Lake, Michigan, held before
Marjorie A. Covey, CSR-2616, Certified Shorthand Reporter and
Notary Public.

APPEARANCES:

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

- Mr. Ken Souter, Board Chairman
- Mr. Rich VanderKlok, Board Secretary
- Mr. Ron Brink, Board Member

- Mr. Gordon Gallagher, Spring Lake Township Manager

- Mr. Jerry Olman, Ottawa County Road Commission

- Mr. Ryan McEnhill, P.E., Eng. Engineering

1 Spring Lake, Michigan

2 December 5, 2019 - 11:30 a.m.

3 PROCEEDINGS

4 WATER RESOURCES COMM. JOE BUSH: Good morning.

5 Welcome to a Board Of Determination, a public hearing,
6 because we were petitioned by the Township of Spring Lake for
7 some improvement over in Swiss Village Drain District. So
8 and that's why we're here today. You guys walked into the
9 other one at 10 o'clock, so, again, we welcome you to sit and
10 listen to why we're here. And it's all part of Drain Code
11 which is state law.

12 We got to have a public hearing to hear testimony
13 on whether people are having problems or they're not having
14 problems.

15 And it's just required for me to appoint a
16 three-panel board, and that's what I did. That have no
17 affiliation with Swiss Village or Spring Lake Township.
18 These gentlemen are outside of the district and they're here
19 to deem it necessary or unnecessary to move forward with the
20 project.

21 So I'll do a few introductions and then we can kind
22 of move quickly.

23 I'll introduce my three-panel board. These
24 gentlemen from my left to my right, we got Rich Vander Klok
25 and he is from Georgetown Township, he's on the board, he's

1 been doing a lot of these over the years.

2 When I pick these gentlemen it's usually based on
3 experience, what they know about, most important is Drain
4 Code, drain law and that's what I go by. So Rich has done
5 many, many of these and he does a great job.

6 Then we have Ken Souter. He's from Port Sheldon
7 Township, but he's also nearly 40 years at the road
8 commission in the engineering department. He's retired now
9 but he has a lot of experience with drainage and drain law.

10 Then we have -- I always --

11 UNKNOWN SPEAKER: Old what's his name.

12 BOARD MEMBER RON BRINK: You're fired.

13 WATER RESOURCES COMM. JOE BUSH: So then we have --

14 BOARD MEMBER RON BRINK: Ron Brink.

15 WATER RESOURCES COMM. JOE BUSH: Ron Brink. I keep
16 wanting to call him Larry, but Ron Brink is also from Zeeland
17 Township, so not near here. And he's been doing a few of
18 these and he does a great job as well.

19 He's been on the board at Zeeland Township and
20 understands the procedures.

21 So there is a process here, everything is court
22 recorder by Margie. Margie has been doing these for years
23 and does a great job, so if you ever want to read the
24 transcript, everything is recorded word for word. And you
25 can go to MIottawa.org and look under Water Resources

1 Commissioner. And I have all the Board of Determinations on
2 there. And in about four to six weeks after today's meeting
3 they should be posted on there if you ever wanted to read
4 what happened or why we're here.

5 And then Larry is from Georgetown, he's our
6 alternate, from Georgetown. He does a lot of these but he's
7 here to sit in in case we needed a spare person.

8 And then we have Jerry Olman, he's with the road
9 commission currently in the engineering department and he's
10 been there for quite a few years as well.

11 And I'm Joe Bush, the Water Resources Commissioner.
12 It used to be Drain Commissioner, I changed the name when I
13 got elected in 2012, because it fits more of what I do.

14 This is just one small part of my job but it's one
15 of the most important is having a public hearing and looking
16 at what the issues are and whether they see it necessary or
17 not to move forward to help people out.

18 I got the whole county, I'm elected, so this is
19 just one of the townships that I do work in. Again we have
20 Gordon Gallagher, he's the township manager. And my chief
21 deputy Chad in the back and Sara, who is my secretary.

22 And then we have Ryan from Eng. Ryan has been --
23 he works for probably I'd say at least 25 different drain
24 commissioners, and his firm works for commissioners across
25 the whole state. He's based out of Grand Haven currently but

1 their main office is in Lansing.

2 So people are like, well, Eng, I haven't heard of
3 them, but they've been in the water business for a long time.
4 He does a great job for us. He'll be giving a presentation
5 at some point.

6 And once I give these three gentlemen here the
7 oath, they'll be running the meeting. They'll pick a chair
8 and they'll be -- you guys will be going to those folks if
9 you have any questions or concerns. So it won't be me. So
10 I'm not the one who determines the necessity or not. By
11 state law I got to appoint this panel board.

12 So we'll move forward based on their decision.

13 And if you do have a comment, please give your
14 name, address and your concerns so the court reporter can
15 hear it. And then as of now we'll go ahead and move forward.

16 Gentlemen, raise your right hand, we'll give you
17 the oath.

18 Do you each solemnly swear that you will faithfully
19 perform and discharge the duties imposed upon you as required
20 by law as members of the Board of Determination appointed by
21 the Water Resources Commissioner to determine the necessity
22 to locate and establish and construct the proposed Swiss
23 Village Sub Drain, located in Spring Lake Township in said
24 county, gentleman?

25 BOARD MEMBER RICH VANDER KLOK: I do.

1 BOARD MEMBER KEN SOUTER: I do.

2 BOARD MEMBER RON BRINK: I do.

3 WATER RESOURCES COMM. JOE BUSH: Thank you.

4 BOARD MEMBER KEN SOUTER: The first thing on our
5 agenda is to elect a chairperson.

6 Do we have a motion?

7 BOARD MEMBER RICH VANDER KLOK: I'll make a motion
8 that Ken Souter be the chair.

9 BOARD MEMBER KEN SOUTER: Do we have a second to
10 that motion?

11 BOARD MEMBER RON BRINK: I'll second that.

12 BOARD MEMBER KEN SOUTER: Moved and seconded. All
13 in favor, say aye.

14 BOARD MEMBER RICH VANDER KLOK: Aye.

15 BOARD MEMBER KEN SOUTER: Aye.

16 BOARD MEMBER RON BRINK: Aye.

17 BOARD CHAIRPERSON KEN SOUTER: Also we need to have
18 a secretary, and I'll make a motion that Rich, you serve as
19 secretary.

20 BOARD MEMBER RON BRINK: I'll support that.

21 BOARD CHAIRMAN KEN SOUTER: Moved and supported
22 that Rich is secretary.

23 All in favor, say aye.

24 BOARD MEMBER RICH VANDER KLOK: Aye.

25 BOARD CHAIRPERSON KEN SOUTER: Aye.

1 BOARD MEMBER RON BRINK: Aye.

2 BOARD CHAIRPERSON KEN SOUTER: And then the third
3 thing, I'd like to make a motion that, and we don't have that
4 many people so it's not going to be a problem, but I'd like
5 to make a motion that public comment be limited to about
6 three minutes.

7 BOARD SECRETARY RICH VANDER KLOK: I'll support
8 that.

9 BOARD CHAIRPERSON KEN SOUTER: Moved and seconded.
10 All in favor, say aye.

11 BOARD SECRETARY RICH VANDER KLOK: Aye.

12 BOARD CHAIRPERSON KEN SOUTER: Aye.

13 BOARD MEMBER RON BRINK: Aye.

14 BOARD CHAIRPERSON KEN SOUTER: Okay.

15 I think we're going to get right into the crux of
16 the thing.

17 Ryan, would you just give us a blow-by-blow account
18 on what's happening out here?

19 ENGINEER RYAN McENHILL: Yep, I will do that.

20 I'm Ryan McEnhill with Eng., I'm a professional
21 engineer in the State of Michigan, and Joe asked us to do
22 some preliminary investigation work out there to identify
23 where some of the potential issues are at.

24 And then we also delineated the district boundary
25 and came up with a tentative route and course for where a

1 drain may be.

2 Again the petition was filed by Spring Lake
3 Township. This is a new drain, so there is not an existing
4 county drain in this area so it's done through Chapter 3 and
5 4 of the Michigan Drain Code. Joe talked about kind of the
6 role of the board so I won't go into that any further.

7 But some of the things that we did just
8 preliminarily up and to this point, again being a new drain
9 there is not any history to go back and find in the Ottawa
10 County Water Resources office.

11 But we did review primarily out in the field, we
12 did site visits to determine where the issues were at to come
13 up with where a potential drain centerline would be.

14 And then we provide kind of the independent and
15 unbiased assessment to this Board of Determination to assist
16 them in making their decision. They obviously haven't been
17 out and visited the site, so we're going to provide some
18 photos and things of some various issues and things like that
19 to give this board some background.

20 So to come up with a district boundary, the
21 majority of these issues exist on Alpine Court. So that
22 purple line -- what we're trying to do is what are the lands
23 contributing water to this blue line essentially.

24 And the --

25 UNKNOWN SPEAKER: Excuse me, what is the blue line?

1 ENGINEER RYAN McENHILL: That's the tentative route
2 and course of where the drain centerline would be.

3 UNKNOWN SPEAKER: Oh, okay.

4 ENGINEER RYAN McENHILL: It's just a tentative one
5 we have at this point.

6 So the topographical features in this area
7 obviously being in a dune area were pretty distinct. So it
8 was a fairly easy district to delineate from that standpoint.
9 But we used GIS data and contours from the county to assist
10 us as well.

11 And so this purple line is basically the watershed
12 for this district, came up with about 14 acres plus or minus.

13 So just based on our field review, there is a
14 depiction for the board members in the packet of kind of how
15 drainage is flowing out there.

16 There is a large hill, that water all comes down
17 Swiss Drive here, takes a turn onto Alpine Court, and then
18 there is not any curb and gutter or a valley gutter that kind
19 of keeps the water contained to the roadway. And what's
20 happening is as it comes down that hill, it's actually
21 veering off into a resident's driveway and going down their
22 driveway. So there is a lot of roadway runoff that's making
23 its way onto private property.

24 And there was this second area over on Alpine Court
25 as well, and there will be photos of this that kind of show

1 that. But there is a couple obvious areas that stood out as
2 issues.

3 And this -- these are photos of that area. So
4 where that truck is parked at in the first photo, that's kind
5 of where it veers off the roadway. It's a pretty large area
6 of runoff from the roadways that's making its way to this
7 driveway approach, running down, and then the property owner
8 has taken the liberty of putting something to try to
9 alleviate these issues which is probably just a small
10 infiltration basin, one or two foot diameter.

11 But considering the amount of water that's coming
12 to this location, that just can't keep up with it. So there
13 is water issues to the garage and the residence.

14 This is the second area. This is on Alpine Court
15 too. Again, roadway drainage and how the parking area is
16 graded. This is kind of a standing water location as well
17 with no infrastructure in place to kind of convey that to a
18 low point or an area where it can infiltrate.

19 And just talking about the soil conditions again,
20 obviously being in a dune area we have a lot of sandy soils.

21 The water table is a little bit variable out there
22 where we would probably look to do some infiltration
23 practices. The water table is only 18 to 24 inches, this is
24 from the NRCS Soil Survey that gives us this info. We could
25 get better information by doing tech geotechnical work, but

1 that's something we can explore down the line if the board
2 finds it necessary.

3 And then infiltration rates are 20 to 60 inches per
4 hour which is very, very good and conducive to infiltration.
5 So there are opportunities there where if we can get the
6 water directed to a point, such as a grass or soil area,
7 there is the opportunity there for infiltration to occur.

8 So just as a summary, obviously being very
9 little -- there is some storm water infrastructure, but not
10 in the locations where it needs to be to be effective, so not
11 having that capability to handle some of the runoff is issue
12 number one.

13 There are things that can be done by adding curb
14 and gutter or valley gutter to keep the water contained and
15 be able to convey it to a location where it's not causing
16 structure damage, it's something that's noticeable and could
17 be corrected.

18 So that's all I have, kind of a brief summary.
19 It's a very small district, there is just a handful of
20 problems there that could potentially be corrected.

21 But obviously there is a small crowd for public
22 testimony. But we'll do that next.

23 And then if this board makes a determination that
24 this project is not necessary, then the project would die,
25 nothing would happen.

1 If they did find the project necessary, we would
2 start the process of scoping the project and then designing
3 it.

4 This particular project, I'm not certain that
5 easements or any type of permits other than a road commission
6 permit would be necessary. So this is the type of project
7 that would be, I guess, swifter than most drain projects.
8 And then we'd prepare a big plan and make some of these
9 corrections to fix where we got these ponding water areas.

10 BOARD CHAIRPERSON KEN SOUTER: A question for you.
11 Did you go back into the -- when this thing was plated and
12 where that water was supposed to go?

13 ENGINEER RYAN McENHILL: We did not. So there is
14 -- I can go back quickly.

15 So just when you're out there and you start to look
16 at, okay, what would we do to try to alleviate some of these
17 issues. This area right here (indicating) at Alpine Court, I
18 don't know if you can see that, right down here (indicating),
19 is an obvious area where if you can get the water directed to
20 that point and have it infiltrate at that location, that
21 would be something where we'd be looking to do that.

22 BOARD CHAIRPERSON KEN SOUTER: Okay.

23 Now I also looked on -- I mean I don't know this
24 area that well, but it looked like there is multifamily
25 housing here? Or is this -- I mean like parking areas.

1 ENGINEER RYAN McENHILL: Yes. So I think there is
2 just a handful of single-family homes and the majority of it
3 is apartment complexes, yep.

4 BOARD CHAIRPERSON KEN SOUTER: Okay.
5 From that point, the township?

6 SPRING LAKE TOWNSHIP MANAGER GORDON GALLAGHER:
7 Thank you very much.

8 Gordon Gallagher, Spring Lake Township Manager.
9 First off, we greatly appreciate your work and Joe Bush's
10 work in dealing with some of these problems.

11 Over the years I think that problems have not been
12 addressed, and the efforts of everyone to finally look and
13 say let's get something in place so that we have a mechanism
14 to address these problems, is greatly appreciated.

15 The other thing about this issue, as you have
16 noticed from the last hearing to this one, this really
17 impacts one -- the impact is to one or two residents. But
18 it's as important as larger ones as well because the impact
19 is significant. And that's why our board decided that we
20 should petition because the impact that one or two homeowners
21 are having here is very significant from the runoff that's
22 happening.

23 So we would urge that you do make a determination
24 that this should become a county drain so that the resources
25 can be put towards getting a solution put in place.

1 Thank you.

2 BOARD CHAIRPERSON KEN SOUTER: So basically what
3 you're saying is all of the area is draining into two
4 particular spots?

5 SPRING LAKE TOWNSHIP MANAGER GORDON GALLAGHER:
6 That I'm aware of. And so I know that the Checks are here,
7 who are one of those families, and they're the ones that have
8 seen the most significant -- I believe this is their home
9 here (indicating).

10 UNKNOWN SPEAKER: Yes, sir.

11 SPRING LAKE TOWNSHIP MANAGER GORDON GALLAGHER:
12 And so what ends up happening is they're the ones that see
13 the most significant runoff from the roads and area. And
14 they also happen to be one of the lower properties.

15 So it's not their water. That's the problem, when
16 it gets right down to it. It would be different if this was
17 a situation where they were just dealing with the water that
18 was just on their property.

19 But -- and I think that the reason that there
20 aren't more people here is because the other folks don't have
21 a problem. They're high and dry. And so they don't
22 necessary -- wouldn't necessarily see this as a problem.

23 BOARD CHAIRPERSON KEN SOUTER: So the township is
24 in favor of this?

25 SPRING LAKE TOWNSHIP MANGER GORDON GALLAGHER: Yes,

1 we are.

2 BOARD CHAIRPERSON KEN SOUTER: Thank you.

3 Jerry Olman from the road commission?

4 ROAD COMMISSION JERRY OLMAN: On Alpine Court there
5 are a couple of leaching basins right here where Ryan
6 suggested that that would be a good spot for infiltration.
7 But -- and it is a 20-foot wide paved ditch section,
8 cross-section road that was put in here.

9 But there is some areas there is no longer any kind
10 of a visible ditch there, and years after this plat was put
11 in, the bike path came in, and that may have taken the place
12 of what used to be a ditch.

13 So now all of this water from here runs down and
14 around into this parcel, whether it was intended, people with
15 the bike path for this water to come down and around to this
16 basin, that I'm not sure on.

17 But, yeah, it is an obvious problem in that area.

18 So with that being an orphan system, the road
19 commission would be in favor of having the Water Resources
20 Commissioner take it over to find a solution for it.

21 BOARD CHAIRPERSON KEN SOUTER: Thank you, Jerry.

22 Then we're going to open the, open it for public
23 comment. And we'll start with the young lady up front.

24 UNIDENTIFIED SPEAKER: No comment.

25 BOARD CHAIRPERSON KEN SOUTER: No comment, okay.

1 The other two people here.

2 MS. JANET PETERS: First I'd like to say that I
3 don't know --

4 BOARD CHAIRPERSON KEN SOUTER: Come up to the mic
5 and give your name and address.

6 MS. JANET PETERS: Janet Peters, 18225 Alpine
7 Court, Spring Lake, Michigan, 49456.

8 I don't know how this has not been addressed
9 previously. This happens every time there is a torrential
10 downpour. There is no way to direct the water to where it's
11 going.

12 The small drain that we have is too small to --

13 MR. DAVID CHECK: About a four-inch drain.

14 MS. JANET PETERS: -- to take on all this water.
15 So our driveway floods, then our backyard floods, and then
16 the water goes into the two apartments.

17 So we've had to re-carpet, sanitize, the whole nine
18 yards that you have to do when there is a flood.

19 MR. DAVID CHECK: Sanitation isn't cheap.

20 BOARD CHAIRPERSON KEN SOUTER: You're her husband?

21 MR. DAVID CHECK: Yes, I'm sorry David Check.

22 MS. JANET PETERS: And we've gone through this
23 several times. We've had new carpeting, almost every year,
24 at least one a year, and that's --

25 MR. DAVID CHECK: Twice last year.

1 MS. JANET PETERS: -- five to \$10,000 every year,
2 and that's what it's costing us to stay in our home.

3 MR. DAVID CHECK: And we also can't get flood
4 insurance because we're not in a floodplain. So I had to
5 petition FEMA in order to get the flood insurance and trust
6 me, that's not cheap.

7 Our homeowner's insurance won't cover it. When I
8 go to my insurance company and ask them for help, tell them,
9 we're flooded again, well, we can't do anything unless your
10 drain is backed up.

11 So last year I lied to them and told them my drain
12 was backed up, at least we got a little bit of help.

13 But this happens two or three times a year. And I
14 think the reason is shortly before we moved there, they put
15 in a three-car garage on the side.

16 Can you go forward one picture?

17 This driveway right here I don't think was there
18 before we moved in. And the problem is none of the water
19 goes past my driveway. None of it.

20 It comes down Swiss Drive, it comes down Alpine
21 Court, and nothing goes by my driveway, nothing goes down to
22 here. Everything goes down here and this little tiny drain
23 that I have here is supposed to catch everything.

24 I have black mold in my garage. I mean I haven't
25 even touched the garage yet. My garage floods every time.

1 BOARD CHAIRPERSON KEN SOUTER: Okay.

2 MS. JANET PETERS: The water basically is almost
3 knee high when we're dealing with this flood.

4 MR. DAVID CHECK: I've tried to do several things
5 to alleviate it. I've cut a ditch over here (indicating) to
6 make the water go behind this apartment. But unless you're
7 out there shoveling the water, it's just not going to go.

8 I've tried in the front here. I cut ditches into
9 my lawn on both here and on the other side to try to get the
10 water to drain into my lawn, and the water just, it comes by
11 too fast. It just won't go in there.

12 So unless you're out there pushing the water, you
13 got to be out by the garage pushing the water, and I got to
14 be out in the street pushing the water.

15 I travel for a living, my wife is disabled. So,
16 you know, it --

17 BOARD CHAIRPERSON KEN SOUTER: Thank you very much.

18 MR. DAVID CHECK: I'm screwed.

19 BOARD CHAIRPERSON KEN SOUTER: Thank you very much.

20 MS. JANET PETERS: Thank you.

21 BOARD CHAIRPERSON KEN SOUTER: Okay. I don't know
22 that we've got anybody else in the room for comments, which
23 is unusual.

24 So I would call it an end to the public comment,
25 and take board comment.

1 BOARD MEMBER RON BRINK: Well, the township is in
2 favor of it, the road commission is in favor of it, and
3 they've got a problem.

4 BOARD CHAIRPERSON KEN SOUTER: They've got a
5 problem.

6 BOARD MEMBER RON BRINK: So I would be in favor of
7 it.

8 BOARD CHAIRPERSON KEN SOUTER: Rich?

9 BOARD SECRETARY RICH VANDER KLOK: I really can't
10 add anything. I would also concur and I'm in favor of it.

11 BOARD CHAIRPERSON KEN SOUTER: Then I'm going to
12 call for a motion. I agree with you both, both of you, the
13 same thing. We got a problem here and hopefully we can fix
14 it. So --

15 BOARD SECRETARY RICH VANDER KLOK: Mr. Chairman,
16 I'll make the motion that the location, establishment and
17 construction of the Swiss Valley Sub --

18 BOARD CHAIRPERSON KEN SOUTER: Swiss Village.

19 BOARD SECRETARY RICH VANDER KLOK: I said valley,
20 Swiss Village is necessary and conducive to the public
21 health, convenience or welfare.

22 BOARD CHAIRPERSON KEN SOUTER: Do we have a second?

23 BOARD MEMBER RON BRINK: I will second that.

24 BOARD CHAIRPERSON KEN SOUTER: Moved and seconded
25 that it is necessary for public health, convenience and

1 welfare.

2 All in favor, say aye.

3 BOARD SECRETARY RICH VANDER KLOK: Aye.

4 BOARD CHAIRPERSON KEN SOUTER: Aye.

5 BOARD MEMBER RON BRINK: Aye.

6 BOARD CHAIRPERSON KEN SOUTER: Opposed?

7 Motion carried.

8 Hopefully we can get something done for you.

9 MR. DAVID CHECK: I hope so, thank you. I mean
10 come spring, I'm looking at torrential rains again so I'll be
11 flooded again.

12 BOARD MEMBER RON BRINK: I don't know if it will be
13 done before spring though.

14 BOARD CHAIRPERSON KEN SOUTER: It's a small
15 district, so maybe something can be done.

16 BOARD MEMBER RON BRINK: Maybe.

17 MR. DAVID CHECK: If we can just get the water to
18 go past my driveway, that would be great.

19 BOARD CHAIRPERSON KEN SOUTER: Kind of a secondary
20 thought on this whole thing, this is probably, and Jerry
21 probably understands it too, this is probably back in the era
22 that the road commission allowed ditches within subdivision
23 areas. And these were all -- the ditches were supposed to be
24 also leaching areas for the water coming from the houses,
25 coming from the street, ditches that were supposed to be in

1 there.

2 The first thing that happened to those ditches is
3 they were filled. So the water doesn't have any place to
4 leach anymore. We had that case a lot of times in the
5 subdivisions where they dug a hole for the basement that fell
6 and went right into the ditches. And we struggled with it
7 for years and years and finally went to curb section where
8 they had to actually put storm sewer in to rig it to an of
9 outlet.

10 And we had that problem for years and years. And
11 this probably dates back to that era. It sounds like that
12 must be -- it's a 20-foot wide roadway?

13 ROAD COMMISSION JERRY OLMAN: Yes.

14 BOARD CHAIRPERSON KEN SOUTER: So a 20-foot wide
15 roadway with two foot ditches on either side, and I'll
16 guarantee you can't find any ditches anymore.

17 MR. DAVID CHECK: There are no ditches.

18 BOARD CHAIRMAN BILL CARGO: So that's just a side
19 note.

20 I appreciate you coming in. I appreciate your
21 problem. And hopefully for the township we can get this
22 taken care of.

23 Thank you for your time.

24 (BOD concluded at 11:58 a.m.)

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\$10,000 17:1	a.m. 2:2 21:24	areas 10:1 12:9,25 15:9 20:23,24	board 2:5,16, 23,25 3:12,14, 19 4:1 5:11, 20,25 6:1,2,4, 7,9,11,12,14, 15,16,17,20, 21,24,25 7:1, 2,7,9,11,12, 13,14 8:6,15, 19 9:14 11:1, 23 12:10,22 13:4,19 14:2, 23 15:2,21,25 16:4,20 18:1, 17,19,21,25 19:1,4,6,8,9, 11,15,18,19, 22,23,24 20:3, 4,5,6,12,14, 16,19 21:14, 18	catch 17:23
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