

FINAL
O.S.P.E. LAND DRAINAGE COMMITTEE
MINUTES OF MEETING
Friday, June 10th, 2016
O.M.A.F.R.A. Building Boardroom 203
1 Stone Road West, Guelph, Ontario

1.0 Attendance and Call to Order

- 1.1 Members Present: Tony Peralta, Chairman; Gerard Rood, Secretary; Jeff Dickson, Vice Chair; John Kuntze; Michael Gerrits; Mark Hernandez
- 1.2 Liaison Members Present: Davin Heinbuck, Conservation Ontario (Ausable Bayfield Conservation Authority); Sid Vander Veen, O.M.A.F.R.A. (Ontario Ministry of Agriculture, Food and Rural Affairs); Art Groenveld, M.T.O. (Ministry of Transportation Ontario); Pat Shaver, Open Learning & Educational Support (University of Guelph)
- 1.3 Absent Members: Sharon Rew, M.N.R.F. (Ontario Ministry of Natural Resources & Forestry); Lee Weissling, O.S.P.E. (Ontario Society of Professional Engineers); Tom Hoggarth, D.F.O. (Department of Fisheries and Oceans Canada); Richard Kavanagh, D.F.O. (Department of Fisheries and Oceans Canada)
- 1.4 Chairman Tony Peralta called the meeting to order at 9:15 a.m.

2.0 Approval of Agenda

- 2.1 The committee reviewed the agenda prepared by Tony Peralta. Motion by Mike Gerrits, seconded by Jeff Dickson, that the agenda as prepared by the chairman be accepted. Carried.

3.0 Minutes of Last Meeting

- 3.1 Mark Hernandez moved to accept the revised January 19th, 2016 L.D.C. meeting minutes as circulated and seconded by Jeff Dickson. Carried
- 3.2 Final documents are to be sent to Pat Shaver by Gerard Rood for posting to the L.D.C. web site. **Action by Gerard.**

4.0 Business Arising From the Minutes

- 4.1 Tony Peralta discussed getting biographies for past drainage practitioners. He has a binder on C.G.R. Armstrong, P.Eng. that was provided by his granddaughter. Mike Gerrits is to contact the Monteith family in Sarnia. Sid Vander Veen outlined that there is no deadline for the information. It can be assembled over time. Gerard provided Sid with his info. Sid

recommended that we do one or two pages per person. It would be known as an Archive of Drainage Engineers. The documentation should indicate where they worked, what they did, and where their files are located.

- 4.2 Scanning of the proceedings was discussed. This will be reviewed with Pat Shaver. Sid stated that he can collect the information and then pass it on after there are 20 or more copies available. He suggested that individuals keep the hard copies of proceedings until all of them have been scanned.
- 4.3 Preparation of past Land Drainage Committee meeting minutes was discussed. Jeff and John are to provide them for the next meeting. Sid noted that he has done the 1969 to 1978 documents. Tony asked that they have the information for the October meeting. **Action by Jeff, John and Sid.**

5.0 Correspondence

- 5.1 Tony noted that Chatham-Kent is taking action on the Endangered Species Act. Brigian Barlow is going to their local Member of Provincial Parliament (M. P. P.). Tony has suggested to him that we form a united front. Gerard has provided some information on this.
- 5.2 Davin Heinbuck noted that Conservation Ontario is working on updates to policies and standards. This is likely one year out. There has not been a lot of action on this to date.
- 5.3 Tony noted that the TRIECA conference information has been sent out by Gerard. There has also been a highway standards flood method distributed which Art Groenveld will discuss.
- 5.4 Tony discussed the European email request for information. It is recommended that they be directed to the O.M.A.F.R.A. website. Jeff noted that they have their new staff look at the Fact Sheets. Sid suggested that people can be directed to the e–drainage website. The drainage e – reference tool includes Fact Sheets and other information. Tony and Jeff noted that they are handing out “What is a Municipal Drain” Fact Sheets at on-site meetings.

6.0 Liaison Report – O.S.P.E. – Patrick Sackville

- 6.1 Tony Peralta was contacted by another O.S.P.E representative regarding a conference call. Tony will try to set this up later in the meeting with Patrick Sackville who is the new contact person.

7.0 Liaison Report – Ministry of Natural Resources and Forestry – Sharon Rew

- 7.1 Tony advised that Sharon Rew is not available and there has been no response to date.

8.0 Liaison Report – Ministry of Transportation Ontario - Art Groenveld

- 8.1 Art Groenveld discussed the Unified Ontario Flood Method study. It is based on regression models. The new method utilizes 120 station assessments including 70 from Southern Ontario and 50 from Northern Ontario. The method gives a close correlation to the station records. The software also gives tolerances. This new policy has been established with M. T. O. this year. The new method does 15 km size watersheds. Engineers may have to use this for flows across provincial highways. A drainage manual update may be coming in the future. MTO will send out notice when this becomes available. They are disseminating the other information to various stakeholders. It is a potential October conference topic. A full statistical analysis of the 120 stations was done and the formula derived from the data.
- 8.2 The other program that MTO is working on is the IDF curve lookup tool. This is being updated and uses watershed information from adjacent areas. This is an enhancement to the Ministry of Natural Resources and Forestry method. Gerard advised that he could send people a link to the Ontario Flow Assessment Tool (O.F.A.T.) if they are interested in checking this out. Art noted that they are in discussions with M.N.R.F. they are also doing projections into the future. This will allow for calculation of intensity 75 years down the road. MTO has noted that intensities are going up approximately 2% every decade. This ties into the climate change discussions that have been had. The new work will allow for design of infrastructure for today and for tomorrow. They are updating design philosophies. A new climate change policy is a possible topic for next year's conference.
- 8.3 They are also investigating trenchless gravity systems. There are 21 methods out there currently. These are being evaluated in three assignments. They started seven this past December and should be done this December. The next assignment will kick off shortly. DM Wills is a consultant on the project. The third assignment will start next year. They are looking at procedures and specifications for the methods. They're also looking at some issues with grouted in liners that have arisen. They are looking at a design assessment of the site. They want to give contractor's options for doing the work. Culvert linings have bigger problems where smooth wall pipe results in higher velocities. There will likely be 18 methods that may be acceptable at the end of the study.
- 8.4 Tony asked how M.T.O. and municipal drainage intersect and who to contact. Art stated that this is site-specific. There are five regions across Ontario and the local regional office should be contacted. The Windsor B.I.G. group is handling the Herb Gray Parkway project. There are some good spray-on options coming for pipe rehabilitation.

9.0 Liaison Report – Conservation Ontario - Davin Heinbuck

- 9.1 The Southwestern Conservation Authorities had a meeting in early May. There have been issues with drain enclosures.
- 9.2 The second phase for D.A.R.T. (Drainage Act Regulations Team) section 4 and 78 reports are being looked at. He will go back to the Southwest Conservation Authorities for input. Currently there are different approaches and different policies that are being used. They are looking for some consistency. Only 50% of C.A.s require permits for section 4 and 78 reports.

- 9.3 There have been discussions on enclosures. More C.A.s are requiring permits for enclosures. Flooding and erosion problems are the main focus. They had an early look at it. They want to see a guidance document developed for this. The C.A. Act is under review and may hold up the work. There are questions about what is an enclosure and what is a wide access. They are considering a 15 metres top width the maximum standard access. There were some discussions on road widths versus laneway widths.
- 9.4 There was a meeting yesterday about the Conservation Authorities Act update. More consistency is being sought. The project is posted on the Environmental Bill of Rights website including PowerPoint displays. A link was included in the email that Gerard circulated in March. They are also holding public meetings. Sid noted that they are getting involved through D.A.R.T.
- 9.5 Davin noted that the D.F.O. is offering funding to the C.A.s for classifying drains. These are typically \$8800 grants. They did 25 reviews last year and are doing another 25 this year. They expect to do more next year. They now need fish data for doing drain classifications. There are also some classification updates needed. There are using the O.M.A.F.R.A. geo-cortex for their mapping. They are still seeing some old mapping being used and all consultants should go with the newest drain class mapping.
- 9.6 Tony asked about regulation mandates for sizing. Davin stated that this should be addressed in the new guidance document. Art noted that a 25-year design is the minimum for road crossings. They are pushing to a 50-year design life and extending it. Tony noted that the Essex Conservation Authority is pushing very hard for 1 to 100 year at all crossings. Art noted that there is a set design for each drain. Their request for additional increased sizing is borne by M.T.O. Tony noted that they can't assess the conservation authority if there are no lands owned by them. Gerard noted that there is a concern with impacts downstream due to this policy being imposed. Sid noted that this has been raised at D.A.R.T. Tim Byrne he has been very defensive on the matter. Davin suggested that Tim can take this to the regulations committee. He can let Bonnie Fox know at Conservation Ontario about the concern. **Action by Davin**
- 9.7 Jeff noted that some C.A.s are looking for berms and storage upstream to reduce impacts downstream. John Kuntze hopes something comes out of the study. He has a Grand River project requiring sufficient outlet and impacts a wetland. He is following statute and not just the policy of the C.A. The project has been presented to the Tribunal. In the Aylmer area the Lake Erie shoreline also has protection problems. Sid observed that some C.A.s see the broader vision and are working in cooperation with other stakeholders. D.A.R.T. is a great vehicle for this. Currently things are at a stalemate right now. This is primarily due to the C.A. Act review. There is a battle between M.N.R.F. and Conservation Ontario over terms and meanings. Everything is in a holding pattern due to the external issues.
- 9.8 John noted that the May 13, 2016 email regarding M.N.R.F. includes five bullet points that are discussed. This could impact the Great Lakes and Water Policy section. Art noted that conveying everything creates downstream impacts. He wonders if the impact downstream is

being considered. He also observed that you are liable for downstream impacts. The current practice may open the C.A. to future civil suits. M.T.O. has been held liable in some cases.

- 9.9 Sid noted that it is good to use opportunities to store water. Drainage management needs to be considered.
- 9.10 Davin likes to see catch basins set with their tops above the adjacent ground. Jeff uses Hickenbottom inlets versus catch basin inlets to put surface water into a drain to help control erosion and sediment movement. Sid is making the same point for phosphorus control.

10.0 Liaison Report – Fisheries and Oceans Canada – Richard Kavanagh

- 10.1 Tony advised that no D.F.O. reps are available for today.

11.0 Liaison Report – Ministry of Agriculture, Food & Rural Affairs - Sid Vander Veen

- 11.1 Diane Saxe is the new Environmental Commissioner. She is asking about drainage including the McNabb drain. The office is critical of the Drainage Act. She has asked for a briefing and O.M.A.F.R.A. has held a workshop with M.N.R.F. and M.O.E.C.C. He noted that the Drainage Act is not always well received. They have invited the Ombudsman office representatives due to municipal complaints. Her staff attended a workshop that O.M.A.F.R.A. did. They have a briefing with her next week. There is a concern with Drainage Act projects not being reviewed. They are pushing for using the Environmental Bill of Rights to post decisions.
- 11.2 There was talk in Ottawa in March. There are land development issues. The whole county was amalgamated like Chatham-Kent. The land development goes to a natural watercourse and then to a municipal drain. There is a Section 65 concern with increased volume of flow. The question is whether section 65. (3) applies when not directly connected. John noted that this is artificially collected water and being modified through the discharge when doing stormwater management
- 11.3 Sid observed that there is a C.A. partnership potential. It is good to deal with things in a broader sense. There have been serious beaver dam issues. Grand River Conservation Authority has been involved on the Campbell Drain – Wellesley pond. This was regarding a S.W.M. pond. There is an opportunity to use the Act.
- 11.4 Sid noted that for phosphorus there is a new B.M.P. series. He provided copies for all members of the Committee.
- 11.5 The Design and Construction Guidelines are done. They are working on figures to use in it. They have put out a request for images. They will use the best ones and will need a release from the supplier of the image. Credit will be given in the documents. The Guidelines will then go out for peer review. He wants to send the document out to Ed Dries and Andy McBride.

There may be questions on the assessment section. He noted that they have to start somewhere. The document may also have to be posted on the Environmental Bill of Rights for comments. They still need information for training. They expect to be done this year.

- 11.6 Sid had a list of training opportunities available. He will email this to Gerard for circulation. From October 4-7 there is a wetland restoration course. He will also email the drainage e-reference tool link to the committee. There is also a natural channel systems design course being held in Niagara Falls from September 26-27. It includes a Drainage Act component. Presenters include people from Stantec, M.N.R.F. and R.&M. Construction and will be included in the link that Sid sends out. There is an international drainage symposium to be held in Minneapolis, Minnesota from September 6-9. Environmental stuff is included and a link will be sent to the Drainage Committee. **Action by Sid and Gerard.**
- 11.7 John Kuntze noted that the Credit Valley Conservation Authority is having discussions on making stormwater management ponds municipal drainage works under the Drainage Act. Sid noted that he only sees this as being possible if the system is part of an existing Drainage Act drain. Gerard suggested that S.W.M. ponds be made into parklands rather than municipal drainage works to give the municipality control over the works.
- 12.0 Office of Open Learning - University of Guelph - Pat Shaver**
- 12.1 Pat provided an email with an outline of the Conference results. There were discussions about the report on the convention provided by Pat. The feed back was generally positive; case studies were very favourably rated on the reviews.
- 12.2 The responders also want a non engineering presentation included as part of the convention.
- 12.3 The case study done in the afternoon was well received; there were concerns with the microphone problems and discussions that there was only one screen. The use of a single screen works at courses; you can use the mouse to point so all can see.
- 12.4 It was recommended that Pat be asked to arrange multi screens for the next conference but this will require that all projectors are in sync so that everyone sees that same presentation with the audio portion. **Action by Pat Shaver.**
- 12.5 Jeff Dickson noted that he likes keeping people to the end in the afternoon and then releasing them once all the presentations are done.
- 12.6 There are comments about keeping the training and convention on Thursday and Friday rather than shifting the time of the week for holding these. The key is to wrap up the conference on time so that people can head for home sufficiently early on the Friday afternoon.
- 12.7 The Thursday course feedback was positive. There was a request for a meeting to review the new Design Guidelines that are coming out.

13.0 D.A.R.T. (Drainage Act Regulations Team) Update - John Kuntze

- 13.1 John advised that not much is happening. John has attended several teleconferences and section 13.1 of the last minutes should be corrected to reflect this. M.N.R.F. is basically waiting for the C.A. Act review.
- 13.2 He is still involved with an Oxford County project that is in the court of the Drainage Referee now. The farmer was convicted under Provincial Offences Court. The farmer is filing new petitions. The question is whether the C.A. Act or the Drainage Act is more precedent setting or establishing how they work together.

14.0 D.A.W.G. (Drain Action Working Group) Update – Mark Hernandez

- 14.1 D.F.O. is working on a document for maintenance and repair activities not requiring D.F.O. review. There are also two BMPs for beaver dams and culvert work.
- 14.2 D.F.O. is also working on a municipal drain guidance document. They expect to finalize the document in mid to late summer and will present it in the fall. Sid noted that the original guide was from 2001 or 2002. Lisa Wren is doing the update.
- 14.3 Tony noted that he finds the B.M.P. confusing. He asked if there will be follow-up and presentations. Mark noted that D.F.O. intends to present the document as part of a travelling “road show” with locations and dates to be determined.

15.0 D.S.A.O. Procurement Update – Jeff Dickson

- 15.1 Jeff advised that he met with one representative in London but nothing has happened.

16.0 Phosphorus Reduction Committee – Tony Peralta

- 16.1 Tony noted that they had a meeting in London. They have some pretty hefty goals. The Ontario Federation of Agriculture and the Great Lakes Cities Initiative is trying to get all the experts together. The current focus is the Thames River basin. There is one advisory committee with four subgroups or committees. He has circulated the document from the first meeting to the Committee members. They met in Guelph this week but Tony was unable to make the meeting.
- 16.2 From discussions Tony believes that we need to focus on the landscape. It was originally thought that tile drainage was a concern but a study has shown that only 2% of the source is from tiles. Based on same the need is to focus on the landscape. Don Lobb did a draft B.M.P. We can do buffer strips in the drainage reports as recommended in the B.M.P. Tony noted that he is okay with being the Land Drainage Committee representative for now. The group wants to do a presentation at our fall conference.

- 16.3 Sid commented that this is similar to the Environmental Farm Plan that was initiated a few years back. This is an industry initiative with an exercise that is very similar. The idea is to get ahead of the government. We are not part of the problem but can be part of the solution.
- 16.4 Tony noted that springtime runoff is 80% of the source of phosphorus. Sid observed that drainage works can do surface inlets and buffers for controls. Tony noted that O.M.A.F.R.A. has erosion documents available. Sid observed that he can get B.M.P.s for erosion control works to the Committee members if required. There is also a course on W.A.S.C.O.B.s that addresses this. The concern is more the connection of private lands to the drain.

17.0 New Business

- 17.1 Tony noted that there is a concern with engineers retiring or leaving the drainage field. Their firm has lost people. Dillon Consulting has lost three or four people. Ottawa only has two people available. The manual and workshops are good. He suggested that we need to branch out more. Going to universities and doing presentations may help attract people to our industry. He noted that O.S.P.E. has publications. They will reach out to R.O.M.A. (Rural Ontario Municipal Association) and the Great Lakes Cities Initiative to educate them.
- 17.2 Mark Hernandez noted that Tribunal decisions can be damaging. Tony observed that we are a unique industry. We deal with government and with individuals. Sometimes we have to be thick-skinned but we need to promote our work and it takes a certain person and work ethic to stay in the field.
- 17.3 Mark commented that Tribunal decision should be written in a constructive and consistent manner. They are not sure what to do other than contacting Sid Vander Veen about some harshly written decisions. Sid suggested that Tony talk to the Tribunal chair Kirk Walstedt. He noted that the way to convey the message is important. He observed that it can be difficult to attract engineers when they get very negative feedback from Drainage Boards or Tribunals on the reports that were done. In the past the Committee has met with the Tribunal to discuss problems or concerns.
- 17.4 Tony would like to see more Tribunal input at the practitioners meeting. He suggested an unofficial meeting to start off. Art noted that Tony can go through the reports that are public documentation. He suggested that as chair Tony can go to the chair of the Tribunal and bring up concerns with the decisions. He can also mention the concern with the future of drainage engineers in Ontario.
- 17.5 Tony suggested that we need to cite the decisions that are a concern. Jeff suggested that he get input from Dillon and John Kuntze and Mike Devos. John stated that he would attend a meeting with the Tribunal chair if needed. Sid stated that he can give Tony the Ottawa name for reference. **Action by Sid and Tony.**
- 17.6 Tony suggested that we contact O.S.P.E. and P.E.O. (Professional Engineers Ontario) about our state of the industry. **Action by Tony.**

- 17.7 Mark Hernandez asked if there are any directions for the Drainage Boards. Sid noted that there is nothing in the Drainage Act. The Board can be given terms of reference and guidelines to follow. Chatham-Kent has a clear set of guidelines for their Drainage Board. Boards need to be trained. The town of Amherstburg sent their staff to a clerk's course for training.
- 17.8 Tony believes that we need to educate young people and municipalities about the industry. Gerard commented that the new generation may not want to do individual reports and there may be more of a team player mentality. John noted that even a team needs one person as the key spokesperson. Tony stated that he wants to approach O.S.P.E. for help. John asked who you would contact at the University. Sid believes that we need to identify the issues causing people not to be attracted to the industry. Awareness may not be the only issue. We also need to identify the other concerns.
- 17.9 Jeff commented that project costs are impacted by D.F.O., M.N.R.F., C.A.s, geomorphology and other demands in order to do the report.
- 17.10 John Kuntze asked if we could contact O.S.P.E. before the universities. We should question if they have some tools to assist us. Art suggested that we could do job or career fairs. We need to market a career in drainage engineering. We need to establish what the highlights are of drainage engineering. Jeff noted that he has used a P.E.O. tape at a job fair at the local high school. Tony stated that he would call Patrick Sackville at O.S.P.E. after lunch and we could discuss same with them during a conference call.
- 17.11 Workshops were discussed. Sid noted that they will have the Design and Construction Guidelines available shortly. He is reluctant to teach that since he doesn't do reports. Tony asked what direction do we go. John suggested that we could use the new manual. Sid asked if we want to do the courses again. He can get us the engineering stuff pretty soon. He wanted to know how much we want to cover, or should we wait until the whole thing is out. Tony noted that without the manual it would be difficult to prepare. Sid commented that he can talk to the editor and likely get the text out by the beginning of the week.
- 17.12 Pat Shaver commented that there were a couple of requests for part one of the training courses to be done again. The program is shown on the website. Sid went through the section 1 details. Session 2 addressed allowances and design considerations. John suggested that we try to use the text from the new manual.
- 17.13 Mark asked who we are trying to address. Tony commented that it is engineers and young people in the drainage field. It was discussed that section 65 and section 40 and other details of the Drainage Act could be trained on.
- 17.14 Sid went through the information included in the Design and Construction Guidelines. From the review Sid suggested that we could just tackle "other reports" under the Drainage Act. This could include sections 65(1), 76, 40, 62(2), 77(2), 84, and mutual agreement drains. This would be a half-day course. He can send out information with permission to do so. Tony suggested that we do this for this year. We can then restart courses the following year once the

new Guidelines are available. Jeff Dixon reviewed the comments from the last course. Mike Gerrits noted that he likes those items and that they are often contacted about abandonment and mutual agreement drains.

- 17.15 Sid asked about planning for the conference. Pat Shaver passed out a hand out. Page 2 includes the 2015 conference evaluations.
- 17.16 Sid indicated that Tim Brooke from the Water Management Branch could speak about Drainage Act enforcement sections and penalties. Tim would present information and training for the course. Another item for consideration is drainage and roads. We could investigate what the interaction is. We could look at how they intersect with each other. The presentation could deal with the road authority working on drains. Sid would be available to help with the presentation. He would review the information with Art Groenveld on how to present. They could look at what the municipal perspectives are. Tony suggested that this would be a good topic.
- 17.17 Tony would also like the Great Lakes City initiative presentation and maybe have Don Lobb speak towards the BMPs. John noted that it is good for the group to present what they want to do and how they intend to do it.
- 17.18 Sid said that he would talk on the road authorities and drainage. The Committee would have to decide on the Tim Brooke presentation. They could do two sessions of 15 to 20 minutes each. John noted that they once had a guy that police charged twice about conflicts with the drainage works.
- 17.19 Sid left at 1:25 PM
- 17.20 Pat noted that her handout on the third page shows the 2015 conference schedule. We have taken out the afternoon break. There is also a later lunch scheduled. The questionnaire showed that people preferred Friday for the conference date. She will investigate if the Holiday Inn can turn the audience at 45° to use two screens in the conference room. She noted that the majority of vendors prefer to be in the conference room. There were 13 people that requested case studies and these are always high on the list. It was noted that Tom Pridham would not do a case study on the Short & 2A Drain. John commented that Mike Devos was suggested by Sid Vander Veen for a case study. Jeff noted that he could possibly present on the Van Beets drain. He can try to pull something together if necessary. Pat recommended that there be at least one case study. Two case studies would also be okay.
- 17.21 John noted that we need to discuss a non-engineering presenter. Pat suggested that a motivational speaker with a good topic would be suited to the position.
- 17.22 John asked if anyone had done work with drones. Tony noted that they rented one for a project. There are restrictions on location and elevation for use of the drone and they simply used it for pictures. Mike noted that Gilliard Drainage has a drone with LIDAR. Tony commented that Andy Chevalier in the Essex area does drones as well. Mike observed that people are always interested in new technology.

- 17.23 Tony asked about the erosion control products. John suggested Envirolok by J. Morgan. These are bags of soil that are plantable. They can be used for heritage tree protection and engineered bio swales. Also for steep slope stability where needed. John is willing to call him as a speaker at the conference. It would be a very interesting presentation.
- 17.24 Mark suggested that we have D.F.O. come to present the newest information that they have.
- 17.25 Pat suggested that we could give the eight vendors five minutes each at the start of the program. Their information could be preloaded for fast presentation.
- 17.26 Art stated that Hani Farghali would do the Unified Ontario Flood Method presentation. 20 minutes would be a good time for that. He asked if we also wanted the update for intensities presented.
- 17.27 Tony suggested that O.F.A. would present on the Great Lakes Cities Initiative. Jeff suggested that they do a presentation of the focus of that committee. They can then discuss the B.M.P.s later. Tony stated that they could likely do a 40-minute presentation.
- 17.28 Pat noted that the Ross Irwin scholarship recipient could do a five-minute presentation.
- 17.29 Pat stated that she can talk to graduate studies at the University about an engineer's presentation to the classes.
- 17.30 Jeff suggested that a backup case study could be green energy impacts on the drainage field. This would go back to section 11 of the Act.
- 17.31 Mike suggested that there could be a topic on assessing culverts. There always seems to be questions about how this is done.
- 17.32 John suggested that another backup would be the Municipal Freedom of Information and Protection of Privacy Act. For case study one we will check with Sid Vander Veen. Another backup would be the drones and green energy which might be presented by Dietrich Engineering.
- 17.33 For the workshop a presentation could be done to show how section 19 is used in a section 78 report. Section 84 is done as a separate report.
- 17.34 Pat noted that the training course would last from 12:30 PM to 5 PM which is approximately four hours including the break time. Tony suggested that there be a topic on preparation and presentation for a tribunal hearing and suggested that John Kuntze has the most experience. John stated that he can do this based on a recent hearing that he went through.
- 17.35 Tony asked if he should ask Kirk Walstedt about being consistent with hearings. There was a general discussion about clearer directions from the Tribunal in their decisions.

- 17.36 John stated that he needs approximately 40 to 45 minutes plus time for questions to do the presentation.
- 17.37 Mike stated that he will present on mutual agreement drains. A 20-minute presentation plus 10 minutes for questions would be suitable.
- 17.38 Tony stated that he can do section 76 in approximately 30 minutes.
- 17.39 Mark stated that he can do section 40 in approximately 30 minutes total.
- 17.40 Jeff stated that he could do section 84 in approximately 30 minutes total time.
- 17.41 Gerard stated that he could do section 65 in 30 minutes total. It was suggested that section 62 and section 77 could be done by Sid. There were some general discussions about the training course. Pat noted that she sends the notice for the training to engineers first as per the list provided from Sid Vander Veen. She then opens it up to others if there is still room available. She asked that we send her our contents for putting on a U.S.B. key. She will organize the presentations as per the Drainage Act. We will keep John Kuntze for the last presentation.
Action by presenters and Pat.
- 17.42 Pat passed out the income statement for the past year and this was reviewed in general with everyone.
- 17.43 Tony suggested that we ask the Drainage Referee to appear again for the practitioners meeting. We should also ask for a Tribunal member to provide a presentation. **Action by Tony.**
- 17.44 Pat noted that the practitioners meeting goes from 7 PM to 9 PM. She can book supper at the Borealis restaurant between the training course and the practitioners meeting. She will book the practitioners room for all night. The Holiday Inn has already been booked for 2017 on October 19 and 20th for the drainage conference and training. This year is the 48th Drainage Engineers Conference.
- 17.45 Jeff noted that in 2018 it will be the 50th year for the Drainage Engineers Conference. He suggested that we should plan early for special presentations. It would be good to recognize special projects over the years as part of the program.
- 17.46 Tony called O.S.P.E. and left a voicemail for Patrick Sackville to call.
- 17.47 John noted that he is interested in attending the meeting with the Tribunal chair and discussing the details of decisions. Jeff suggested that we just want more respect and constructive language in the decisions.

18.0 Next Meeting

- 18.1 The next meeting of the L.D.C. will be Thursday October 20th, 2016 at the O.M.A.F.R.A. offices on Stone Road in Guelph.
- 18.2 Sid will be asked to book the ground floor conference room for the Committee meeting and workshop training session. **Action by Sid.**

19.0 Adjournment

- 19.1 The meeting was adjourned at approximately 3:30 p.m. Moved by Gerard Rood and seconded by Jeff Dickson. Carried

Tony Peralta, Chairman

Gerard Rood, Secretary