



FINAL
O.S.P.E. LAND DRAINAGE COMMITTEE
MINUTES OF MEETING
Friday, June 2nd, 2017
O.M.A.F.R.A. Building Board Room 205
1 Stone Road West, Guelph, Ontario

1.0 Attendance and Call to Order

- 1.1 Members Present: Jeff Dickson, Chairman; Gerard Rood, Secretary; John Kuntze; Michael Gerrits; Mark Hernandez; Tony Peralta
- 1.2 Liaison Members Present: Art Groenveld, M.T.O. (Ministry of Transportation Ontario); Sid Vander Veen, O.M.A.F.R.A. (Ontario Ministry of Agriculture, Food and Rural Affairs) by teleconference; Pat Shaver, Open Learning & Educational Support (University of Guelph)
- 1.3 Regrets: Davin Heinbuck, Conservation Ontario (Ausable Bayfield Conservation Authority); Richard Kavanagh, D.F.O. (Department of Fisheries and Oceans Canada); Patrick Sackville, O.S.P.E. (Ontario Society of Professional Engineers); Sharon Rew, M.N.R.F. (Ontario Ministry of Natural Resources & Forestry); Tom Hoggarth, D.F.O. (Department of Fisheries and Oceans Canada)
- 1.4 Chairman Jeff Dickson called the meeting to order at 9:07 a.m.

2.0 Approval of Agenda

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

3.0 Minutes of Last Meeting

- 3.1 John Kuntze noted that his name should be removed from item 14.1 as he is not working with D.A.W.G. Tony Peralta moved to accept the January 24th, 2017 L.D.C. meeting minutes as amended, seconded by Mark Hernandez. 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 and Pat Shaver.**

4.0 Business Arising from the Minutes

- 4.1 Jeff went through the action items shown in the January meeting minutes. He noted that the documents had been sent out per Item 3.2.
- 4.2 With respect to Item 4.2, Jeff showed the bound copies of the joint committee minutes for 1991 to 1995. He is in the process of having them scanned. He confirmed that there was no committee before 1969. John advised that he had not found information from 1993 onward but will continue to search their files. **Action by Jeff and John.**
- 4.3 Tony noted that he had not gotten information on William Settrington for our drainage engineers biographies, but has a draft summary for C.G.R. Armstrong. Tony will talk to Nick Peralta and Lee-Anne Settrington to see what information he can get. **Action by Tony.**
- 4.4 Jeff noted that he could not find information on others. He will contact Louise Edgar to try for information on Fred Edgar and will follow up on information for Mr. Howes. **Action by Jeff.**
- 4.5 Sid noted that he has a biography for Phil McNeely. Gerard commented that he has provided several to Sid in the past. Jeff suggested that Gerard's versions could be used as a template. Tony will forward the C. G. R. Armstrong biography to Gerard. **Action by Gerard and Tony.**
- 4.6 Jeff noted that Pat Shaver has a limitless site suggestion for posting information. Sid suggested that the biography should be kept to one or two pages. It was noted that Herb Todgham did a report on referees and this could be a good example. Sid will look for this and distribute it to the committee. **Action by Sid.**
- 4.7 Mike will contact Jamie Monteith and Ray Dobbin for the Jim Monteith information. He noted that Jamie is now retired and he will provide him with the template from Gerard. **Action by Mike.**
- 4.8 Jeff noted that Patrick Sackville had taken action with respect to item 6.7. Jeff suggested that item 6.8 be discussed as a committee under item 2.11 of the agenda. Jeff noted that Patrick took action on item 6.10 regarding contact with the Engineering Student Society Council of Ontario.
- 4.9 Action has been taken by Richard Kavanagh with respect to item 9.1 and 9.2. Jeff noted that he got the final D.F.O. maintenance guidance document. Tony asked that Gerard provide a copy for him. John Kuntze noted that the guidance documents were issued on May 23 just to drainage superintendents. John will forward them to Mark and Mike. **Action by Gerard and John.**
- 4.10 Sid took care of item 10.2. With regard to the O.S.P.E. discussions, Sid will send an email to Patrick Sackville.

- 4.11 Item 12.6 will be discussed with Pat Shaver at 12:30. Mark will stay involved with the D.A.W.G. committee pursuant to item 14.1. Item 16.2 has been done. Tony took action on item 16.3. Jeff acted on item 16.8. Sid booked the room that we are in pursuant to item 17.1

5.0 Correspondence

- 5.1 Gerard confirmed to Jeff and the Committee that all correspondence since the last meeting had been circulated to all Committee members.

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

- 6.1 Patrick was not available and no report was provided.

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

- 7.1 Sharon Rew was not present. Jeff noted that we had not received anything from Sharon. Jeff is to contact her about involvement with the L.D.C. **Action by Jeff.**

8.0 Liaison Report – Ministry of Transportation Ontario - Art Groenveld

- 8.1 Art Groenveld reported that M.T.O. is continuing work on climate change impacts. Their curve tool is online now. This allows rainfall intensities to be determined for today and into the future. You can go up to 75 years ahead. The software uses a linear extrapolation. It generally indicates a 1.6% increase every 10 years.
- 8.2 They are trying to coordinate with M.N.R.F. for the O.F.A.T. program. M.T.O. is trying to get better watersheds from the O.F.A.T. software program.
- 8.3 They are currently working with Version 3 of the lookup tool. They are working on Version 4 with M.O.E.C.C. for temperature change effects on rainfall and climate change.
- 8.4 The design future service life can be used for future projections. They have noted that fish have to move today and tomorrow. They are finding that there are some flood line issues. This is based on the 1:100 year flood line mapping. These lines change with future storms.
- 8.5 Municipal drains in road right-of-ways have to consider future conveyance design. M.T.O. will get the information out to the drainage engineers. M.T.O. requires consistencies in the crossing designs.
- 8.6 They are working on the trenchless technologies' assignment. They are introducing information for future repair, replacement, and new lines. Art noted that rock fall embankments require guided diamond bits. Art brought in several design guides for technologies. People can review these during lunch. People can get these through the M.T.O. website library as they become available. They are working with the University of Waterloo

and Queens University. They expect to publish the next set in October and they should be available by December.

- 8.7 Invert repairs technology is coming out. They expect a lot of different methods to be provided. There are more options versus the old open cut methods. Drainage engineers need to take the appropriate steps when doing designs. M.T.O. will want information that the design provides for future flows and design life expectancy, etc.
- 8.8 Tony brought up site development along corridors. Some reviewers claim that there are policies that guide the response. Art suggested that directives B-012, B-013, and B-014 may be applicable. He suggested that the M.T.O. website be checked for information. There is a guide to hydrology reports. He noted that Corridor Management has their own website and guidance documents. These also refer to M.T.O. drainage requirements. Sid noted that M.T.O. controls areas beyond their corridor and this could impact municipal drains. Art spoke about the setback area. It depends on the road classification with bigger setbacks on the “400” series of highways and at key intersections. M.T.O. doesn’t allow works in setback areas from 7m to 100 meters and these are set out in the Corridor Management guidance documents.
- 8.9 Jeff noted that the L.D.C. appreciates Art’s inputs at all our meetings.

9.0 Liaison Report – Conservation Ontario - Davin Heinbuck

- 9.1 Davin was not present and there was no report.

10.0 Liaison Report – Fisheries and Oceans Canada – Richard Kavanagh

- 10.1 Richard was not present and did not provide a report.
- 10.2 Mike noted that the Fisheries are demanding letters of credit. This puts additional costs on the drain. They could last up to two years. The municipality has to arrange for the security. Gerard spoke of his Amherstburg project. He noted that there is no flexibility on Drainage Act reports on the letter of credit. Sid suggested that Mark take this to the D.A.W.G. for discussions.
- Action by Mark**

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

- 11.1 Jennifer Richards came into the meeting. Sid commented that she joined O.M.A.F.R.A. in September. She came from M.N.R.F. and is working for changes. This includes work on the Drainage Superintendent Guide.
- 11.2 Jeff handed out a sheet received from Andy Kester which is a copy of Sid’s report. The Committee members introduced themselves to Jennifer. Jeff explained the Liaison Members of the Committee for Jennifer. He explained that Committee members are elected on a rotational basis. The committee went from a sub-committee of P.E.O. to O.S.P.E.

- 11.3 Sid went over his written report on the courses provided this spring. They had to turn some people away this past year because of the number of applications. Jeff presented on the drainage engineers. Sid also added phosphorus reduction on the Friday presentation. He noted that all but one person had passed the course.
- 11.4 The Drainage Guide has been sent out to agencies for comment. O.M.A.F.R.A. wants input before the EBR posting. Art and Hani of M.T.O. have responded to O.M.A.F.R.A. Sid stated that he had not seen the response. Art commented that he didn't recall seeing the email with the requests for Part A review. Sid commented that he would still like M.T.O. to respond to Parts B and C of the Guide. After responses are received they will post the document to the E.B.R. They expect some negative responses. Sid will notify the L.D.C. of the posting so that we can review and provide positive responses as appropriate. Sid will ask Arlene Robertson to resend the request to Art. **Action by Sid.**
- 11.5 Sid hopes to have the Guide document by late summer or early fall. He expects that it will be available for the October meetings. Jennifer is working on the Drainage Superintendents Guide with Sid and others. They plan to work with a writer. They plan to expand the Superintendent to a bigger role including phosphorus management, etc.
- 11.6 With regards to A.D.I.P. Sid said that there is really good news. The Ministry has received another five million and 3.1 million dollars to cover grant applications. This catches everything up-to-date. They are pushing through the reviews and have Chris Allen helping them with a target for completion by the end of the calendar year.
- 11.7 He noted that O.M.A.F.R.A. has an ongoing concern with a Tribunal decision related to a Ray Dobbin project. They do not believe that the engineer and Tribunal are applying the coefficient properly. O.M.A.F.R.A. pays up to 1-1/2 inch coefficient. One half inch is for sizing off cropland. One inch is for surface runoff. The A.D.I.P. policy review is coming this year. It will state that the coefficient has to follow the Design Guide. He noted that grants may tighten up on certain types of projects.
- 11.8 Jeff asked Sid about wooded area coefficients and agricultural lands. Sid stated that the A.D.I.P. should have said to follow the Drainage Guide for the coefficient method. O.M.A.F.R.A. has never recommended the 1-1/2 inch coefficient. John Kuntze noted that he designs for site conditions. Sid has a concern about the massive pipes and wants to store water for a greener environment.
- 11.9 Jeff conveyed the L.D.C. thanks to Sid and others at O.M.A.F.R.A. for the funding that was obtained. Sid commented that they take finance folks on a tour of tile drainage and other municipal drainage works. Tony commented that some municipalities are locking down drainage budgets. Sid stated that he will try to promote open budgets to municipal staff.
- 11.10 Jennifer noted that they have established that municipal outreach is required. This is necessary for the green infrastructure. Sid commented that the outreach is to help people know what

municipal drains are. Jennifer commented that they talk about green infrastructure after drainage is understood.

11.11 Sid noted that they were still working on new computer programs.

11.12 Sid has been working with staff on a report to the Environmental Commissioner on wetlands impacts. They expect to be written up in a 2017 report. O.M.A.F.R.A. used to wait on conservation authorities and M.N.R.F for input. Now O.M.A.F.R.A. will need input on wetlands beforehand. Gerard suggested that Sid contact the presenter at last year's drainage conference for the benefits of wetland improvements. Sid commented that the question from the Commissioner was very narrow in scope. Jennifer stated that they responded with positive input. Sid suggested that when writing reports, we should show positive impacts on wetlands and the actions taken.

11.13 Jennifer Richards spoke to green infrastructure. The federal budget has funds available. O.M.A.F.R.A. is trying to promote with the province for funds that could help with the increased costs associated with implementing green infrastructure. This will include the protection and creation of wetlands so that they provide ecosystem services for filtering, flood attenuation and water storage. The idea is to protect wetlands so that they provide filtering. The Lake Erie phosphorus problem is a concern. They want to use the Drainage Act to reduce adverse impacts. They are trying to get more money for this. They would like ideas on how to get funding numbers for their applications. Sid commented that Jennifer provided a good presentation. He went on to state that enforcement of buffers is required as well as other measures. Enniskillen and Leamington have buffer requirements. Gerard noted that a study was done a few years ago to establish the increased cost for environmental measures. Jennifer noted that they have identified those cost estimates. They need more information for recurring funding. Sid noted that funding can't be committed at this time. Jennifer asked for ideas. They want things ready before she goes back to M.N.R.F. in April 2018. Sid suggested that if there are projects with some green infrastructure components, that they be kept separate for costs and for quick reference. Tony noted that the Lebo Creek Project is very green. They are clearing out trees and doing buffers as well as wetland improvements.

11.14 Jennifer noted that they use the provincial policy statement for green infrastructure. Jeff asked that Jennifer send out information to Gerard for distribution. **Action by Jennifer and Sid.**

11.15 Jennifer asked us what we thought should be included as eligible expenses for green infrastructure. They are looking for ideas to have on the table to check for funding eligibility. John would like Jennifer to advise on the provincial definition to use as a starting point. Jennifer subsequently provided the following definition for green infrastructure:

- natural and human-made elements that provide ecological and hydrological functions and processes
- green infrastructure can include components such as natural heritage features and systems, parklands, storm water management systems, street trees, urban forests, natural channels, permeable surfaces, and green roofs (Ontario Provincial Policy Statement, 2014)

- 11.16 Jennifer had to leave the meeting at 10:50 AM.
- 11.17 Sid commented on the Conservation Authority Act review. He has had speaking engagements. They have worked with M.T.O. on Amherstview area near Kingston. They are trying to use the Drainage Act to address drainage problems.
- 11.18 In late June, there is a meeting of the International Joint Legislators. They have concerns with tile drainage. Sid will present the Ontario perspective on using tile drainage. He noted that our Drainage Act is a huge benefit for rural drainage.
- 11.19 Sid spoke to the Conservation Authority Act review. A news release has been done. The document will guide conservation authorities on their duties etc. He expects another opportunity to provide input and comment will be coming. He has not looked at the specific changes.
- 11.20 John commented that the focus on wetlands is for provincially significant wetlands. Sid commented that the Environmental Commission is looking at provincial wetlands but also local significant ones too.

12.0 Office of Open Learning - University of Guelph - Pat Shaver

- 12.1 Jeff asked Pat to provide her report in accordance with item 2.7 of the agenda and to discuss item 3.4 regarding the 2016 course and conference evaluations.
- 12.2 Pat discussed the archiving message that was sent out. There is a new archiving option at the University Library. There are two components, one for past and one for future. She noted that our website lacks storage. It also takes a lot of time. She noted that everything has to be accessible by 2021. Some old archives have names and addresses of people that could be a concern with respect to privacy. There are also copies from textbooks that may be copyrighted. She noted that they can't take pictures for posting. The University also wants to get out of doing printing. The library hosts the information with no charge. Documentation is filed by year. A login restriction can be set up. We can control access to the site. This will allow us to log who is accessing the site. She noted that the library has staff who can prepare the documentation for posting. This is good as a future alternative. She asked if we would want the archiving open and accessible.
- 12.3 Tony and John both agreed that it would be best to be open. This will get the information out to more people.
- 12.4 Pat noted that there are some exemptions for historical documents. About 10 years ago the proceedings went electronic and there were more pictures. She noted that media waivers are acceptable for use. We can do any type of design or background for the site.

- 12.5 John suggested that we can provide links on our website. Pat noted that the library will make the documents web friendly. A registration form can require mandatory information to be provided. She noted that we would include the usual disclaimers. John moved to authorize Pat to pursue this new initiative as per Item 3.1 of her notes. Seconded by Tony. Carried. **Action by Pat Shaver.**
- 12.6 John asked about how to handle expenses. Pat stated that she needs approval to get students to do the work and will get us a budget estimate. We can cover the costs in the conference fee. The form can include a box allowing us to contact registrants. John noted that we should also collect usage information. Pat stated that they can have registration and require approval to access. The other option is to just register and have immediate access. We can move our website information to the library site. She noted that it takes between 3 to 4 hours per document to prepare for posting. Tony moved to have Pat get the cost estimates for accessing and setting up the site. Seconded by John. Carried. **Action by Pat Shaver.**
- 12.7 Gerard commented that immediate access is best to promote use. Tony agreed and suggested that we add any cost to the conference fee if needed. Gerard moved to have Pat prepare a budget for the students to prepare information for posting to the site. Seconded by Mark. Carried. **Action by Pat Shaver.**

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

- 13.1 John advised that there has been no action yet. They expect to have another conference call next week. He hopes to get a summary of the M.N.R.F. status. D.A.R.T. is considering another training session for forms but the D.F.O. edit seems to be good and accepted. They need the Conservation Authorities Act straightened out.
- 13.2 Sid noted that Jennifer Keyes is to give a report at the June 7 meeting. She is the manager.
- 13.3 Tony spoke to phosphorus reduction. A steering committee has been formed. There was a general meeting on March 29. They are working on preliminary studies and plan to do workshops in July. Six municipalities may be involved. He has offered to speak if requested. There was a May 18 meeting in Chatham-Kent. A June 27th tour was made of Rondeau Bay and Jeanette's Creek.
- 13.4 John asked Sid about the D.S.A.O. involvement in phosphorus reduction. Tony noted that Peter Johnston is the spokesperson for L.I.C.O. and D.S.A.O. and L.D.C.

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

- 14.1 Mark stated that there have been no meetings or updates. They have discussed continuing meetings but nothing has occurred yet. He will bring forward the letter of credit issue to the D.A.W.G. Committee.
- 14.2 Sid commented that he had no information on D.A.W.G.

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

15.1 Jeff advised that there has been no action. Sid stated that the Committee may get correspondence from an engineer regarding the procurement policy.

16.0 New Business

16.1 Jeff noted that we are trying to create biographies of Drainage Act report writers. Gerard is to pull together examples and circulate to the Committee members. Tony suggested that Ed Dries or Dennis McCready be approached to do one for Herb Todgham. Jeff stated that he will follow up with them for information. **Action by Jeff.**

16.2 Pat asked about the drainage engineers course. She was advised that we are doing the course again. Jeff noted that the term should be plural to reflect that there are multiple engineers.

16.3 The Drainage Engineers Conference evaluation was reviewed. It is recommended that we have vendors present again because they are quite popular. Pat suggested that we spread their (maximum 5 minute) presentations out during the day. We expect to have nine vendors. They could present their information in three groups of three. This could be done at the start of the conference, at break time, and at lunchtime or between the last two presentations. Mark recommended that we do it sooner before people leave. Jeff suggested three to start the conference, three before the morning break, and three after lunch. Pat suggested that the presenters can include a question and answer period.

16.4 The 2017 conference suggestions were reviewed. Pat will ask the hotel about a 180° rotation for the screen set up to address some concerns.

16.5 Pat reviewed the financial statement and noted that we are in the red this year. Attendance was down this past year and we appear to have reached a platform. She also noted that her fees went up. Travel costs were also higher. The cost of USB drives was higher too. She noted that the Holiday Inn is holding their cost. She stated that there would be no scholarship this year since the shortfall has occurred. She commented that the fee has been at \$175 plus tax since using the Holiday Inn for the conference. She suggested that the course fee go up to cover the room costs. There was a general agreement to do incremental increases. It was noted that there had been no changes in fees since 2010. It was commented that the Holiday Inn is good for food. Pat noted that the Delta Hotel was more expensive. Holding the conference in Guelph is good because it is reasonably central. John suggested that we adopt the suggested fees. It was moved by Tony to review the fees after Pat's updated budget is received. Seconded by Mark. Carried. **Action by Pat Shaver.**

16.6 Pat noted that all training and conference sessions will be held the last week of October at the Holiday Inn. There is a new registration system at the University of Guelph. They will need a username and password. The Thursday course will just be sent out to engineers first. The other

alternative is to just open it up to everyone. She noted that seating is not a problem. She also noted that you cannot go back online to register for the course after booking the conference. Tony suggested to mention that seating is limited. Pat also suggested that a disclaimer be included. Jeff asked Sid to provide wording for the disclaimer. Sid recommended that the training be limited to engineers and drainage superintendents. He can provide the list of contacts. **Action by Sid.**

- 16.7 Sid stated that he can help craft a disclaimer for registering for the course and conference. Tony suggested that we ask for affiliation when the person registers. **Action by Sid.**
- 16.8 Pat noted that the information for the course will be on the website. She asked if we would want printed copies of the presentations. Mike suggested that we need printed notes for people to mark up. Sid noted that they hope to have the engineers guide ready for the course. They can print copies to hand out. There is no cost expected for this from O.M.A.F.R.A. Pat stated that this would require each presenter to provide 60 copies of notes for distribution. Jeff commented that we will establish how to proceed with this. Pat asked if the training would go from noon to 4 PM or noon to 5 PM. Jeff believes including lunch is a good idea. We will need to assign people to do the topics. John commented that he can do his presentation again on petition reports. Pat stated that she will find the 2011 agenda and circulate it. **Action by Pat Shaver.**
- 16.9 Jeff asked Pat to provide all three of the training course agendas for reference. Pat stated that she will send the agendas next Tuesday or Wednesday. **Action by Pat Shaver.**
- 16.10 Tony suggested we have a conference call to discuss the course review. It was suggested that the call be made 7 to 10 days after. Pat noted that she is away during August. It was established that the conference call would be held Friday, June 16 at 9 AM. Sid stated that he will set up the conference call. **Action by Sid.**
- 16.11 Pat noted that she just needs the agenda and speakers for distribution. Jeff suggested that the conference call be a maximum of 1 to 1.5 hours. Sid noted that the guide will be available to share in print and electronic format if necessary. Jeff suggested that we provide everyone with a binder of presentations. He suggested that we invite all the liaison members to the conference call.
- 16.12 Discussions proceeded on the conference planning. There were several suggestions from last year through the 2016 reviews. Jeff noted that he likes Sid Vander Veen's idea for the Ottawa case study. He suggested that we could do this at the end of the conference. The Committee members also like the enforcement topic by Tim Brooke suggested by Sid. Sid noted that he expects Lorne Franklin to do the presentation. He can contact Lorne about this. He can also set up Tim Brooke for the enforcement presentation. **Action by Sid.**
- 16.13 Mike stated that he would like M.T.O. to do a spray coatings presentation. It was suggested that the Scott Drain and Garvey Glenn drain topics could be presented. Mark suggested that we could have Conservation Ontario present on the Conservation Authorities Act changes. Sid

stated that he thinks this is too early. He suggests that it be tied into the D.A.R.T. This will not be ready for October. Art commented that they could do a presentation for the technologies that they have done and used. They can direct us to the guidelines location. John suggested that perhaps we include other technologies in the presentation too. Art stated that he would do the presentation and can focus on the ones that are done.

- 16.14 John discussed the Credit Valley Conservation Authority decentralized S.W.M. on private property. This is in the City of Mississauga. They are looking at use of the Drainage Act to build and access the S.W.M. for maintenance. Credit Valley C.A. would like to present low-impact development and low-impact drainage.
- 16.15 John mentioned the A.O.D.A. and suggested that we could use training for everyone. Pat noted that there are guidelines. These deal not just with wheelchairs but legibility and other matters. Sid commented that most municipal staff and drainage superintendents have training. He suggested that perhaps the presentation could be done at the Practitioners meeting. Pat stated that she will contact A.O.D.A. for speaker information. Jeff suggested that we can reach out to Patrick Sackville so that the presentation is specifically for engineering firms. **Action by Jeff and Pat Shaver.**
- 16.16 Art asked about dewatering in accordance with new M.O.E.C.C. requirements. He asked if this would impact drainage sites.
- 16.17 Art suggested that as a backup he can do a presentation on directives and access to the M.T.O. website. Sid suggested another backup topic might be the ombudsman office and municipalities relationship. Another topic could be an overview of the Drainage Engineers Guide. He suggested that we could invite Drainage Contractor Magazine to come and provide coverage at the conference. Pat stated that she can reach out and ask them about coverage. Sid noted that he can contact the magazine and connect them to Pat Shaver if needed. **Action by Sid and Pat Shaver.**
- 16.18 Tony asked Sid if P.I.C. (Public Information Centre) meetings that are being used for review of draft reports are appropriate. It was noted that there is no clear direction in the Drainage Act.
- 16.19 The topics and speakers for the Conference were discussed including the order of presentation. Pat noted that she will take the conference schedule home and adjust it and email it out. She will include a speaker information form and waiver form. **Action by Pat Shaver.**
- 16.20 Jeff directed attention to Item 3.7 of the agenda regarding the 50th anniversary of the Drainage Conference in 2018. He noted that it was started in 1969 in Hespeler. He suggested that we could schedule a sit-down dinner with all drainage engineers. This could be similar to the L.I.C.O. banquet. John suggested that this should only be for engineers doing reports and any retired engineers. Jeff suggested that the supper could be from 5:30 PM to 7 PM and then proceed with the Practitioners Meeting.

- 16.21 Art suggested that we could have 50 years of pictures for presentation at that conference. This would show where we were and where we are at. Sid suggested that we could ask for ideas at the 2017 Practioners meeting. Pat noted that we can include the question in the evaluation questionnaire. Art suggested that we could consider hats/shirts with logos and possibly sell products. Mark suggested that we could do a retrospective, then look forward to what is coming. This would cover the full spectrum of drainage engineering. Sid suggested that we could talk about biographies of engineers. Pat made the suggestion that we could present old equipment and do a show and tell. Jeff recommended that everyone think about this and we can discuss at the conference call.
- 16.22 Pat asked if we want to book all of the functions at the Holiday Inn for 2018. Jeff noted that this would be Thursday, October 25th and Friday, October 26th in 2018. Pat stated that she will need an invitation list for an engineers' dinner. We could have the dinner at a room in the Holiday Inn that was used previously for the Practioners meeting.
- 16.23 Jeff stated that he can try to set up for the Referee and the Tribunal to attend at the 2017 Practioners meeting. **Action by Jeff.**
- 16.24 John discussed Public Relations action. He attended a wetland restoration presentation at Seneca College. It was done by the Student Club and supported by the alumni. He noted that O.S.P.E. was there too represented by Patrick Sackville. They had a University of Waterloo Professor present and a Stantec EIT. Girls from the Toronto Wildlife Centre also had a presentation.
- 16.25 John discussed the event at the Royal Ontario Museum by Fleming College. He attended with Mike Gerrits. He was glad that he had the brochure to pass out. He suggested that we need to be better prepared in the future. It felt like they had crashed the party. Len Senyshyn did introduce them. He is not sure that we would go back. He noted that Vincent Luke is the program director. It was a good networking event. Norbert Bollard was talked to. We were not picked this time. He emailed John to ask for a specific project and its environmental impact. John suggested that Jeff's culvert might fit the bill.
- 16.26 John circulated a handout labelled Water Tap which discussed a Storm Water Roundtable. He noted that he was unable to attend the presentation. He stated that he would watch for other things like that.
- 16.27 Jeff noted that he had sent our brochure to Patrick Sackville and there were no comments. John commented that we had discussed some topics about contacting universities. We should continue our public relations action and have an item in each meeting. **Action by Jeff.**
- 16.28 Pat noted that she will reach out to the scholarship recipient and ask him for a five minute presentation at the 2017 Conference. **Action by Pat Shaver.**

17.0 Next Meeting

17.1 The next meeting of the L.D.C. will be Thursday October 26th, 2017 commencing at 9:00 a.m. at the Holiday Inn in Guelph. Pat will book a room and advise the Committee members.

Action by Pat Shaver.

17.2 Reminder about the Friday June 16th – 9:00 a.m. conference call.

18.0 Adjournment

18.1 The meeting was adjourned at approximately 3:10 p.m. Moved by John Kuntze and seconded by Mark Hernandez. Carried

Jeff Dickson, Chairman

Gerard Rood, Secretary