



The 42nd Annual Drainage Engineers Conference

The 2010 Drainage Engineers Course and Conference at the Holiday Inn Guelph Hotel and Conference Centre.

- Thursday, October 21, Drainage Seminar
- Friday, October 22, Drainage Engineers Conference

Drainage Seminar Agenda

Challenges and Opportunities of Urban Drainage – Educational Opportunity on the Status of Urban Drainage in Ontario

Chair – Derek G. Graham, OLS (Cadastral) OLIP, Professional Surveyor, Graham Surveys.

Topics include:

- Common Law – Sid Vander Veen, Drainage Coordinator, OMAFRA
- External Water Sheds and Lot Grading – John Kuntze, K. Smart Associates Ltd.
- Grading and Drainage in the Construction and Development of New Subdivision and Infill Sites, Donna Waters, Development Area Supervisor, City of Mississauga
- Urban Drainage Matters as seen by a Municipality's Chief Building Official – Robert Foster, CBO, Centre Wellington
- Qualifications to Plan Urban Drainage – John D'Amico, OLS Professional Surveyor, D'Amico McNeice Harvey Surveyors
- Enforcement – Subdivision Agreements Under the Drainage Act – John E. Morris, Barrister Solicitor Notary Public
- Panel Discussion – Future Directions – Panel Chair, Chris Allen, K. Smart Associates

Drainage Conference Program

Keep it Professional: Working Effectively in Difficult Situations, Elizabeth Pinnington, Pinnington Training & Facilitation

Dealing with challenging situations is part of professional work. In this session, we will discuss 5 practical ideas to develop your skills and ideas on how to respond effectively when interactions or negotiations become difficult.

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Extent and Characteristics of Enclosed Watercourses and their Effects on Downstream Aquatic Ecosystems – Research Update, Katie Stammer, PhD Candidate, University of Western Ontario

Working for Municipalities, Brian Anderson, Coordinator Infrastructure Services, Ontario Good Roads Association

Part I – Project Scoping Meeting, Sid Vander Veen, OMAFRA

Drain construction or improvement projects under the Drainage Act are becoming increasingly complex as the needs of landowners are balanced with societal values and environmental protection legislation. When those interests are competing, the “Project Scoping Meeting” may be a useful tool to chart a course for the project to find the needed balance.

Part II – Meeting Facilitation

Bryan Boyle, Regional Information Coordinator, OMAFRA

Municipal Drain Easements, Delbert O’Brien, QC, Juris D., Huckabone, O’Brien, Instance, Bradley and Lyle Lawyers

DFO’s Risk Management Framework and its Application to Drainage Act Activities, Thomas Hoggarth, Fisheries and Oceans Canada

Fisheries and Oceans Canada has developed a “Risk Management Framework” to manage risk by assessing the potential aquatic affects and assessing the risk of the activity. This session will describe the Risk Management Framework in more detail and will also describe how this will be applied to activities performed by municipalities under the Drainage Act.

Renewing Pelee Island’s Pumped Drainage Schemes – A Case Study, Dan Krutsch, Landmark Engineers

Pelee Island is located in the western basin of Lake Erie and is predominated by low lying, flood prone lands that were dewatered for agricultural purposes in the late 1800’s by constructing an elaborate system of dykes, canals and pump stations. The Island is presently drained by three separate canal systems; Big Marsh, Curry Marsh and Round Marsh. Outlet for the existing drainage canals is provided by four pump stations, which safeguard the Island from flooding caused by heavy precipitation and inundation of lake waters.

An investigation completed in 2008 into the present state of repair of the pump stations revealed significant deficiencies of a structural, mechanical and operational nature. Recognizing the critical importance of this infrastructure, and the catastrophic consequences of failure of one or more of these stations, the Township of Pelee

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initiated a two year planning, design and construction process that culminated with the substantial reconstruction of three of four existing pump stations.