

May 2018 Monthly Project Status Report

Project Name:	Stormwater Master Plan Class Environmental Assessment
Branch:	Public Works
Project Manager:	Lucas Kelly, Manager of Capital Infrastructure
Target Completion Date:	March 29, 2019

Project Description

Plan to address existing stormwater system deficiencies and future infrastructure needs as a result of anticipated community growth within the Brighton Urban Area.

Work Completed This Month

- Published and distributed Notice of Commencement.
- Inspected the eight stormwater management ponds in the study area for vegetation composition, debris, inlet/outlet condition, and visual assessment of sediment accumulation.
- Inventoried storm sewer outfalls by field inspection.
- Began survey of storm sewers and ponds.
- Continued review of background information in order to develop the baseline characterization of the study area.
- Reviewed extents of design drawings to identify gaps in storm sewer data.
- Began developing storm sewer model.

Work Planned Next Month

- Complete survey of storm sewers and ponds.
- Complete gap analysis and provide recommended scope of additional data collection, where needed.
- Continue developing storm sewer model using topographic survey.
- Assess capacity of the stormwater management ponds based on the bathymetric survey.
- Draft baseline characterization of the study area.

Issues

After working with staff and previous consultants to seek out all available inventory and mapping of the Municipality's stormwater infrastructure, we confirmed in late April that there are significant gaps throughout the study area which were previously unknown. We are reviewing options to address this gap and will outline these options and our recommendations for Council's consideration as soon as possible. In addition, the Ministry of Natural Resources and Forestry confirmed that they will respond to the Notice of Commencement in late June. Their input will be quickly incorporated into the baseline assessment of the study area as soon as we receive their response.

Milestones (i.e., critical dates to measure progress)

Milestone	Scheduled Date	Actual Date
Kickoff Meeting	April 3, 2018	April 3, 2018
Complete Data Collection & Review of Background Information	June 1, 2018	May 30 th , 2018 (final surveying data QC expected to be finalized June 7 th)
Storm Sewer Model Development & Capacity Analysis	July 31, 2018	
Assessment of Stormwater Retention Ponds	July 31, 2018	
Public Information Centre Meeting	September 5, 2018	
Draft SMP for Municipal and LTC Review	October 1, 2018	
Final Draft SMP Available for Public Comment	December 1 to 31, 2018	

Final SMP Presented to Council	February 18, 2019	
Final SMP	March 29, 2019	
Monthly Cost Variance explanation	Monthly Schedule Variance Explanation	
Is project within budget? Yes If not, why not?	Is project on schedule? Yes If not, why not?	

Additional Notes or Comments on Project Status
<p>Good progress has been made this month by completing the visual inspection and assessment of the eight stormwater management ponds in the study area and conducting much of the survey work. The consulting team has begun developing a storm sewer model focused on the main branches of the system, which have also been the focus of the survey this month. At this time, gaps remain in the available storm sewer mapping data that limit our ability to analyze upper sections of the storm sewer system. We will outline options for addressing this gap and our recommendation for Council's consideration as soon as the initial survey is complete which will assist in scoping the options ahead. We are also waiting for new, more accurate LIDAR data from LIO/OMAFRA. This data is currently being review for accuracy and it is expected to be released June 7th.</p> <p>Additional information has been requested from developers and their consultants regarding the stormwater management ponds in the study area to collect the latest information on built and future conditions of the ponds. The gap in storm sewer data is not expected to affect the analysis of the stormwater management ponds.</p>

Response to Comments and Questions from Stakeholders and Indigenous Communities
<p>Project updates will be available through the project website (https://www.brighton.ca/en/municipal-services/storm-water-masterplan.aspx). We are interested in information from stakeholders regarding stormwater management issues in the Brighton Urban Area and will follow up with specific stakeholders as required. We have received comments from stakeholders regarding the following:</p> <ul style="list-style-type: none"> - How will existing ponds will be modified to accommodate future development? <i>Response: The Stormwater Master Plan will include assessment of how future development will affect existing infrastructure and will evaluate and recommend solutions where needed to mitigate impacts of future development.</i> - Residents have commented on the need for more regular maintenance of stormwater management ponds and issues of high lake levels backing up into the residential areas near Harbour Street and Marina Drive. <i>Response: these issues are being assessed as part of the Stormwater Master Plan.</i> - The County of Northumberland, the Ministry of Environment and Climate Change (MOECC), and the Ministry of Tourism, Culture, and Sport (MTCS) responded to the Notice of Commencement with comments on what should be included in the Stormwater Master Plan and how they would like to be involved moving forward. - The Indigenous communities identified by the MOECC as needing to be consulted as part of this project have been notified of the study commencement and have been contacted by the consulting team. - Multiple residents have noted issues regarding groundwater flowing into their basements and the necessity of running sump pumps to keep basements dry. <i>Response: Recommendations of the Stormwater Master Plan will address issues in overland flow pathways, storm sewers, and ponds. Basement flooding issues are not within the scope of the Master Plan.</i>