



## The Regional Municipality of Durham

### Works Committee Agenda

Lower Level Boardroom (LL-C)  
Regional Headquarters Building  
605 Rossland Road East, Whitby

**Wednesday, January 9, 2019**

**9:30 AM**

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**1. Declarations of Interest**

**2. Adoption of Minutes**

A) Works Committee meeting – [December 12, 2018](#)

4 - 9

**3. Statutory Public Meetings**

There are no statutory public meetings

**4. Delegations**

4.1 George Rocoski, Chair, and Paul Ankrett, Vice-Chair, Energy from Waste-Waste Management Advisory Committee, re: Annual Update Report

**5. Presentations**

5.1 John Presta, Director of Environmental Services, re: 2019 Water Supply and Sanitary Sewerage Business Plans and Budgets (2019-W-7) [Item 7.2 G]

**6. Waste**

6.1 Correspondence

A) Information Report #[2018-INFO-127](#): Single Use Plastics

10 - 18

**Pulled from August 31, 2018 Council Information Package  
by Councillor Joe Neal**

Recommendation: Receive for information

- B) Information Report #[2018-INFO-158](#): Durham York Energy Centre Source Test Update 19 - 22

**Pulled from December 7, 2018 Council Information Package  
by Councillor Joe Neal**

Recommendation: Receive for Information

6.2 Reports

- A) City of Vancouver Single-Use Items Reduction Strategy ([2019-WR-1](#)) 23 - 29

7. Works

7.1 Correspondence

- A) Correspondence dated December 5, 2018 from the City of Oshawa, re: Proposed Community Safety Zones for the U.O.I.T and Durham College Campus Area 30 - 33

Recommendation: Refer to Consideration of Report #2019-W-8

7.2 Reports

- A) Issuance of an Encroachment Agreement within the Road Allowance at the Corner of Westney Road North (Regional Road 31) and Kingston Road West (Regional Highway # 2), in the Town of Ajax ([2019-W-1](#)) 34 - 36
- B) Site Plan Agreement for the Construction of the Newcastle Water Supply Plant, in the Municipality of Clarington ([2019-W-2](#)) 37 - 38
- C) Petition for the Construction of a Watermain on Ontoro Boulevard and Range Road, in the Town of Ajax (2019-W-3) 39 - 45
- D) Extension of Water Services to Replace Private Wells in the Range Road/Ontoro Boulevard Area, in the Town of Ajax ([2019-W-4](#)) 46 - 58
- E) Report on Tenders and Additional Financing for Regional Municipality of Durham Contract D2018-005 for Townline Road (Regional Road 55) and Pebblestone Road Intersection Modifications in the City of Oshawa and Municipality of Clarington ([2019-W-5](#)) 59 - 63

- F) Approval to Award Sole Source Engineering Services for Phase II of the Supervisory Control and Data Acquisition System and Process Optimization Data Integration Services for the York-Durham Duffin Creek Water Pollution Control Plant, in the City of Pickering ([2019-W-6](#)) 64 - 67
- G) Works Department – 2019 Water Supply and Sanitary Sewerage Business Plans and Budgets ([2019-W-7](#)) 68 - 112
- [Link to the 2019 Works Department Detailed Business Plans and Budgets for the Water Supply and Sanitary Sewerage](#)
- H) New Community Safety Zone and Speed Limit Reduction – Simcoe Street Between Niagara Drive/Selleck Lane and the Campus Ice Centre Access – University of Ontario Institute of Technology and Durham College ([2019-W-8](#)) 113 - 120
- I) Purchase of Land Required for the Adelaide Avenue (Regional Road 58) Extension Project, in the Municipality of Clarington ([2019-W-9](#)) 121 - 125

**8. Advisory Committee Resolutions**

There are no advisory committee resolutions to be considered

**9. Confidential Matters**

There are no confidential matters to be considered

**10. Other Business**

**11. Date of Next Meeting**

Wednesday, February 6, 2019 at 9:30 AM

**12. Adjournment**

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## The Regional Municipality of Durham

### MINUTES

#### WORKS COMMITTEE

Wednesday, December 12, 2018

A regular meeting of the Works Committee was held on Wednesday, December 12, 2018 in the Lower Level Boardroom (LL-C), Regional Headquarters Building, 605 Rossland Road East, Whitby, Ontario at 9:30 AM

Present: Councillor Mitchell, Chair  
Councillor Marimpietri, Vice-Chair  
Councillor Barton  
Councillor Crawford  
Councillor McLean left the meeting at 10:45 AM  
Councillor John Neal  
Councillor Smith  
Regional Chair Henry attended the meeting at 10:13 AM and left at 11:53 AM

#### Staff

Present: G. Anello, Manager, Waste Planning and Technical Services, Works Department  
C. Bartlett, Manager, Waste Management, Works Department  
J. Demanuele, Director of Business Services, Works Department  
R. Jagannathan, Director of Transportation and Field Services, Works Department  
M. Januszkiewicz, Director of Waste Management, Works Department  
J. Paquette, Manager (Works), Corporate Communications  
J. Presta, Director of Environmental Services, Works Department  
M. Seppala, Systems Support Specialist, Corporate Services – IT  
S. Siopis, Commissioner of Works  
A. Wakeford, Solicitor, Corporate Services – Legal Services  
S. Penak, Committee Clerk, Corporate Services – Legislative Services

Moved by Councillor Marimpietri, Seconded by Councillor Barton,  
(1) That the Rules of Procedure be suspended in order to add a presentation titled “Durham Water and Sewer Overview” as Item 5.2) of the agenda.

CARRIED on a 2/3rds vote

#### 1. Declarations of Interest

There were no declarations of interest.

## **2. Election of the Works Committee Vice-Chair**

The Chair called for nominations for the position of Vice-Chair of the Works Committee.

Moved by Councillor McLean, Seconded by Councillor Barton,

(2) That Councillor Marimpietri be nominated for the position of Vice-Chair of the Works Committee.

Moved by Councillor McLean, Seconded by Councillor Smith,

(3) That nominations be closed.

CARRIED

The Chair asked if Councillor Marimpietri wished to stand. Councillor Marimpietri indicated he would stand.

Councillor Marimpietri was acclaimed as the Vice-Chair of the Works Committee.

## **3. Statutory Public Meetings**

There were no statutory public meetings.

It was the consensus of the Committee that the agenda be altered in order to consider Item 7.2 A), Report #2018-W-1: Relief from Certain Requirements of the Seaton-Specific Subdivision Agreement for Seaton Plans of Subdivision Located South of Taunton Road (Regional Road 4) next.

## **7. Works**

### **7.2 Reports**

A) Relief from Certain Requirements of the Seaton-Specific Subdivision Agreement for Seaton Plans of Subdivision Located South of Taunton Road (Regional Road 4) (2018-W-1)

Report #2018-W-1 from S. Siopis, Commissioner of Works, was received.

At the request of the Committee, S. Siopis provided a brief overview regarding the land owner agreement and the landowner's responsibility. She noted two previous requests that have been granted for concessions that resulted in homes being occupied south of Taunton Road.

It was the consensus of the Committee to hear Glenn Pitura, Arutip Engineering on this matter. He responded to questions regarding project timelines and priorities; tender submissions; and the front ending agreement. G. Pitura advised that he would provide a project schedule to Regional staff. S. Siopis advised they would work with G. Pitura to receive the schedule on time for Regional Council on

December 19, 2018 and that staff would be coming back to the Works Committee in mid-April 2019 with a report on the progress.

Moved by Councillor McLean, Seconded by Councillor Smith,  
(4) That we recommend to Council:

That relief be provided from certain requirements of the Seaton-Specific Standard Subdivision Agreement to allow plans of subdivision, located south of Taunton Road (Regional Road 4), to proceed by:

- i) Providing the Landowners with the required sanitary sewer and water connection permits for the lots and blocks located within these plans of subdivision and indicated in the schedules provided by the Landowners for closings prior to the end of May 2019, on the condition that the Landowners agree to not submit or request a review by the Region of any of the Alexander Knox Drive designs until such time as the remainder of the Whites Road (Regional Road 38) project is in an executed construction contract.

CARRIED

Moved by Councillor John Neal, Seconded by Councillor Crawford,  
(5) That the Committee recess for 20 minutes.

CARRIED

The Committee recessed at 9:45 AM and reconvened at 10:12 AM.

#### **4. Delegations**

There were no delegations to be heard.

#### **5. Presentations**

- 5.1 Presentation on The Power of Public Works – Meet your Works Department by: Susan Siopis, Commissioner of Works; John Presta, Director, Environmental Services; Ramesh Jagannathan, Director, Transportation and Field Services; Jenni Demanuele, Director, Business Services; and Mirka Januszkiewicz, Director, Waste Management Services
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S. Siopis, Commissioner of Works; J. Presta, Director, Environmental Services; R. Jagannathan, Director, Transportation and Field Services; J. Demanuele, Director, Business Services; and M. Januszkiewicz, Director, Waste Management Services, provided a PowerPoint presentation on The Power of Public Works – Meet your Works Department.

J. Presta, Director of Environmental Services gave an overview on the functions, opportunities and challenges of the Environmental Services Branch.

R. Jagannathan, Director of Transportation & Field Services gave an overview on the functions, opportunities and challenges of the Transportation & Field Services Branch.

J. Demanuele, Director of Business Services gave an overview on the functions, opportunities and challenges of the Support Services Branch.

M. Januszkiewicz, Director of Waste Management gave an overview on the functions, opportunities and challenges of the Waste Management Branch.

S. Siopis also advised the Committee of staff from other Departments such as Corporate Services - Human Resources and Legislative Services, Health, Safety and Wellness and Corporate Communications that are dedicated to the Works Department.

Staff responded to questions regarding future upgrades planned for several Water Supply Plants; concern over the increased amount of traffic on Regional Roads and the need for more turning lanes; road works projects; a preventative maintenance program for older buildings; general outcomes of property acquisitions; the impacts of Chinese National Sword; and mining of local landfills.

J. Presta agreed to provide Councillor Barton with more information regarding upgrades occurring at the Uxbridge Water Pollution Control Plant.

M. Januszkiewicz agreed to contact Councillor Marimpietri regarding concern over the proximity of the Oshawa Waste Management Facility to a local school.

Chair Mitchell vacated the chair from 11:14 AM to 11:19 AM. Vice-Chair Marimpietri assumed the chair in his absence.

The Committee recessed from 11:29 AM to 11:35 AM.

5.2 Durham Water and Sewer Overview Presentation by John Presta, Director, Environmental Services

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In anticipation of the Committee of the Whole meeting being held Thursday, December 13, 2018, J. Presta provided an overview of Durham's Water and Sewer Systems.

Highlights of the presentation included: Where the water for the Region's municipal water supply systems comes from; Durham's water supply operations; Durham's sanitary sewerage operations; Background on user rates; and the value of water.

J. Presta responded to questions regarding comparability of connection fees with other Region's; the 1.8% increase to the user rates and the sustainability of that amount; the percentage of solids being diverted to land applications; grey versus

black water treatment systems; additives to municipal water; and the urbanization of Columbus in the City of Oshawa, and residents that are not connected to the municipal water system.

S. Siopis advised that both PowerPoint presentations will be emailed out to the Committee members.

**6. Waste**

6.1 Correspondence

There were no communications to consider.

6.2 Reports

There were no Waste Reports to consider.

**7. Works**

7.1 Correspondence

There were no communications to consider.

7.2 Reports

- A) Relief from Certain Requirements of the Seaton-Specific Subdivision Agreement for Seaton Plans of Subdivision Located South of Taunton Road (Regional Road 4) ([2018-W-1](#))
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This item was considered earlier in the meeting. Refer to pages 2 and 3 of these minutes.

**8. Advisory Committee Resolutions**

There were no advisory committee resolutions to be considered.

**9. Confidential Matters**

There were no confidential matters to be considered.

**10. Other Business**

There was no other business to be considered.



**11. Date of Next Meeting**

The next regularly scheduled Works Committee meeting will be held on Wednesday, January 9, 2019 at 9:30 AM in the Lower Level Boardroom (LL-C), Regional Headquarters Building, 605 Rossland Road East, Whitby.

**12. Adjournment**

Moved by Councillor Marimpietri, Seconded by Councillor Barton,  
(6) That the meeting be adjourned.

CARRIED

The meeting adjourned at 12:20 PM

Respectfully submitted,

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D. Mitchell, Chair

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S. Penak, Committee Clerk



# The Regional Municipality of Durham Information Report

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From: Commissioner of Works  
Report: [#2018-INFO-127](#)  
Date: August 31, 2018

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**Subject:**

Single Use Plastics

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**Recommendation:**

Receive for information.

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**Report:**

**1. Purpose**

1.1 This report provides an update on actions taken in Canada regarding single use plastics and implications for actions specific to the Regional Municipality of Durham (Region).

**2. Background**

2.1 At its meeting of May 9, 2018, Regional Council supported a motion for Regional staff to report back to the Committee of the Whole on the legal and practical implications of banning certain single-use plastics.

2.2 Staff has previously reported on other aspects of single use plastics. In 2013, Regional Council received Report #2013-WR-10 which concluded that, similar to the threatened legal action against the City of Toronto, the Region would likely face a legal challenge if it imposed non-voluntary measures on retailers to ban or charge for single use plastic bags. In 2007, Regional Council received Report #2007-WR-14 outlining the Region's participation with local retailers to launch a retailer take-back program for single use plastic bags. This program is still in place today. Participating retailers are listed on the Region's website.

**3. Discussion**

3.1 Single use plastics include plastic bags, plastic water bottles, cups and other drink containers, cup lids, drinking straws, stir sticks, cutlery, plates and fast food take-out containers.

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- 3.2 Even with advanced recycling systems, Canada only captures 11 percent of plastic for recycling leaving the rest for disposal. Improper disposal of plastics can result in contamination of waterways. Plastics can end up in the lakes and rivers from storm water runoff through rivers or streams, or litter blown directly into the waterways.
  - 3.3 International efforts to curb plastic waste include the Ocean Plastics Charter (Charter) that was launched at the G7 Leaders' Summit in Quebec in June and signed by five of the G7 countries.
  - 3.4 In support of the Charter, Canada has initiated consultation on a National Zero Plastics Waste Strategy. The federal government is seeking input from all Canadians regarding issues related to plastic waste and marine litter and how to achieve zero plastic waste. Through its involvement in the Regional Public Works Commissioners of Ontario Solid Waste Sub-Committee, the Region participated in the consultation in support of a national extended producer responsibility program for plastics. (See Attachment #1).
  - 3.5 Also, the Canadian Council of Ministers of the Environment (CCME) has launched a consultation on a Draft Framework for Zero Plastic Waste. The focus of the CCME consultation is developing a circular economy for plastics to create a demand for plastic packaging to be collected and reused. A CCME identified action area to support a circular economy is government initiatives to minimize single-use plastics.
  - 3.6 Both of these federal initiatives work toward a national strategy to address plastic use and capture for recycling and to minimize single use plastics.
  - 3.7 In Ontario, the 2016 Waste-Free Ontario Act was intended to move the province toward a full extended producer responsibility program for all paper and packaging. Future regulations under the Act will also drive circular economy actions for plastic packaging.
  - 3.8 The nation-wide and provincial initiatives to reduce plastic waste will be a more effective and well-received approach than individual city or municipal actions given the global scale of business in 2018. A national and provincial approach will also ensure accommodations are in place for people with disabilities who may rely on single use plastics such as drinking straws. The Region should support these initiatives.
  - 3.9 The Region will continue to promote recycling of plastics in the residential blue box program and plastic bag return to retail programs. The Region could also consider encouraging residents to seek out and use alternatives to plastics on a voluntary basis.

**4. Conclusion**

- 4.1 Reducing the prevalence of single use plastics in the environment has gained global attention in 2018 leading many national governments to initiate efforts to reduce the use of single use plastics and increase the capture of plastics for recycling. The Government of Canada has identified plastic waste as a priority issue and is actively consulting on actions.
- 4.2 Rather than take a piece-meal approach that could be challenged legally, the Region will continue to support federal and provincial efforts to develop policies and action plans to curb the use of single-use plastics in Canada and increase the capture and recycling of all plastics in Canada.

**5. Attachments**

Attachment #1: Letter dated June 19, 2018 providing input on a National Zero Plastic Waste Strategy for Canada

Respectfully submitted,

**Original signed by:**

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S. Siopis, P.Eng.  
Commissioner of Works



Sent via email: [ec.plastiques-plastics.ec@canada.ca](mailto:ec.plastiques-plastics.ec@canada.ca)

June 19, 2018

Plastics Consultation  
 Environment and Climate Change Canada  
 351 St. Joseph Blvd., Place Vincent Massey, 9-064  
 Gatineau, QC K1A 0H3

To Whom It May Concern,

Thank you for the opportunity to provide input on a National Zero Plastic Waste Strategy for Canada. We are pleased to support your efforts on this comprehensive federal-provincial-territorial approach to keep plastic within the economy and out of disposal and the environment. We applaud your leadership on this issue in Canada and on the international stage.

We are writing to you on behalf of the Municipal Resource Recovery & Research Collaborative (M3RC). M3RC is comprised of representatives from:

- Association of Municipalities of Ontario (AMO),
- City of Toronto,
- Regional Public Works Commissioners of Ontario (RPWCO), and
- Municipal Waste Association (MWA).

The purpose of M3RC is to develop and promote policies and programs on behalf of all municipalities in Ontario to support the transition to a circular economy. We understand the importance of this transition to protect our environment and support economic growth. M3RC does not usurp or replace the autonomy of individual municipalities, but provides advice and recommendations to staff and municipal councils for consideration and action.

### **Ontario's Municipal Waste Diversion Programs:**

A common focus of all of our organizations is the establishment and effective operation of programs to reduce waste generation and ensure materials (products, packaging and organics) are recaptured at the end-of-life and reutilized. Municipal governments understand both the economic and environmental opportunities associated with driving Ontario towards a circular economy. One of the most significant challenges that we face today is the recycling of plastic and plastic composite products and packaging. We continue to see exponential growth in plastic materials, many of which do not have viable end markets and which often displace recyclable paper, metal and glass packaging that have long been the backbone of the internationally renowned Ontario municipal Blue Box recycling system.

Even with one of the best waste collection and management systems in the world, Canada only recycles 11%<sup>1</sup> of its plastic waste, leaving almost 90% sent to disposal and in some cases reaching our lakes, rivers and ocean basins.<sup>2</sup> This is a critical problem for Ontario and indeed for the country as a whole. Your government is uniquely positioned to set Canada on a path to sustainable use of plastics and to set an inspiring example for other countries which face the very same challenges.

### **A Solution is Available - Producer Responsibility:**

The producers of plastics products and packaging (commonly the brand holder or the first importer into Canada) exert the greatest influence on product design and material selection. The critical mechanism for establishing a circular economy for plastics is regulating full producer responsibility for products and packaging distributed in Canada. International experience has demonstrated a clear linkage between making producers responsible for recovering and managing their used products and creating the necessary market conditions to reduce pollution of the environment and to return valuable resources to the economy.<sup>3</sup> We are asking your support for wider implementation of producer policies and regulations to address growing public demand for more effective management of plastics and other product and packaging materials.

### **The Rationale for Action:**

There are a number of key factors at play that illustrate the need for producers to take the lead responsibility to address pollution from plastics and other materials as we move to a circular economy:

#### **1. More Complex Packaging Stream with Less Value**

Plastics use has increased 620% over the last 40 years, resulting in 8.3 billion metric tonnes produced globally.<sup>4</sup> This significant shift to plastics from other traditional packaging materials has meant substantial cost increases to Canadian municipalities who are forced to pay for the costs of properly managing these materials. The rapid growth of difficult to recycle plastic packaging specifically has led to a \$33 million cost premium to the Ontario Blue Box system compared to the traditional packaging materials and has reduced the value of other recycled commodities. While many new plastic packaging types such as laminates may have other appealing attributes, they

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<sup>1</sup> Includes both residential and IC&I sources.

<sup>2</sup> Jambeck, Jenna. "Identifying Our Main Challenges." Lecture, Informing Canada's G7 Presidency – A Workshop on Global Marine Plastics Solutions, Ottawa, Ontario, Canada, April 25, 2018.

<sup>3</sup> OECD, *Extended Producer Responsibility: Updated Guidance for Efficient Waste Management*, 2016. Available at <http://www.oecd.org/development/extended-producer-responsibility-9789264256385-en.htm>.

<sup>4</sup> Jambeck, Jenna. "Identifying Our Main Challenges." Lecture, Informing Canada's G7 Presidency – A Workshop on Global Marine Plastics Solutions, Ottawa, Ontario, Canada, April 25, 2018.

do not have commercially viable end recycling markets and end up either as pollution in the environment or in over-burdened disposal sites.

## **2. More Waste Products and Packaging Leaking into Our Environment**

Increasing amounts of plastic waste products and packaging are ending up in our oceans, lakes, rivers and other bodies of water and pose a dire threat to sensitive ecosystems, wildlife, communities, and individuals. This is a growing public health and safety issue as well as an environmental concern. It is of particular concern to municipal governments who are forced to deal with plastics at the “end of the pipe” as litter, in the waste stream, through recycling programs, or at wastewater treatment facilities. Recent studies estimate 8 million tonnes of plastics are ending up in our oceans annually.<sup>5</sup> An additional 10,000 tonnes per year is estimated to be entering the Great Lakes.<sup>6</sup> This has profound impacts on marine mammals, fish and birds. In addition, microplastics are increasingly being found in our drinking water with uncertain health impacts.

## **3. Weak End Markets**

The problem with current commodity markets is it is often cheaper to purchase virgin materials than recycled materials. This is especially relevant for plastics which are the fastest growing component of the waste stream. The external costs associated with extracting new resources or properly managing these materials at end of life are currently not taken into account. As a result, a vicious cycle is created whereby more and more virgin materials are used to make products or packaging that end up in our environment and the economics to properly manage them are not there. Commodity markets for recycled materials are exceptionally weak currently. This is putting substantial financial pressure on municipal governments and increasing system costs while they have no ability to affect the necessary change.

## **4. A Level Playing Field Needed for Brand Holders**

Some large brand holders are demonstrating leadership in promoting responsible stewardship of their products and packaging, however many others are not. This produces an unlevel playing field on which these companies compete. Some producers improperly label and advertise about the recyclability and compostability of their products, which undermines the legitimate efforts being made by other companies. These products add unnecessary costs to municipal recycling programs and can degrade the value of recovered materials that have been designed for

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<sup>5</sup> J. R. Jambeck et al., *Plastic waste inputs from land into the ocean* (Science, 13 February 2015).

<sup>6</sup> M. J. Hoffman and E. Hittinger, *Inventory and transport of plastic debris in the Laurentian Great Lakes* (Marine Pollution Bulletin, Vol 115, 15 February 2017).

recycling. This practice also confuses consumers and erodes citizen confidence that the efforts that they have put into separating materials for recycling is helping to protect the environment. The Competition Bureau did release guidance on environmental claims on recycling.<sup>7</sup> The guide notes that to claim recyclability there needs to be accessible collection systems and facilities to process the materials and a market to reutilize them. However, this guidance does not appear to be having its intended impact. Perhaps regulation should be considered to ensure compliance.

## 5. Lack of Disposal Capacity

The capacity to dispose of wastes in Ontario is shrinking. A 2010 Ontario Auditor General's report stated that one in five municipalities surveyed stated that they had insufficient disposal capacity to meet their community's needs. Similar concerns are also being raised in the United States.<sup>8</sup> Ensuring more of these materials are reutilized will help to reduce the need for new disposal sites.

## 6. Municipalities cannot drive systematic change in product design

Municipalities do not have the ability to influence the design of products and packaging nor the material they are made of. These are decisions made solely by producers. Municipalities, however, are forced to plan, manage, operate and help fund the collection and management of the products and packaging that producers choose to sell, usually without any prior consultation or coordination.

## National Zero Plastic Waste Strategy

The key components of a national zero plastic waste strategy developed in partnership with provinces, territories, municipal governments, and Indigenous peoples, would include the following:

1. A focus on making producers fiscally responsible to manage their products and packaging at their end-of-life. Jurisdictions around the world are introducing policies and regulations to require all producers to take full responsibility for the end-of-life management of the products and packaging they introduce into the market. Ontario, through the *Resource Recovery and Circular Economy Act, 2016* is a leading example of this trend. Many elements of this legislation are relevant to all regions of Canada.

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<sup>7</sup> Canadian Standards Association, *Environmental claims: A guide for industry and advertisers*, 2008. Available at [http://www.competitionbureau.gc.ca/eic/site/cb-bc.nsf/vwapj/guide-for-industry-and-advertisers-en.pdf/\\$FILE/guide-for-industry-and-advertisers-en.pdf](http://www.competitionbureau.gc.ca/eic/site/cb-bc.nsf/vwapj/guide-for-industry-and-advertisers-en.pdf/$FILE/guide-for-industry-and-advertisers-en.pdf).

<sup>8</sup> Waste Dive, *US landfill capacity to drop 15% over next 5 years*, May 8, 2018. Available at <https://www.wastedive.com/news/us-landfill-capacity-decrease-SWEEP/523027/>.



2. Establishment of consistent national definitions (e.g. circular economy, resource recovery, recycling), performance standards, and measurement protocols including auditing to gauge progress towards zero plastic waste.
3. Targeted action on reducing single use plastic products and packaging (which could include bans, fees, or recycled content requirements).
4. Targeted action on eliminating the use of problematic types of plastics and plastic additives.
5. Set national mandatory targets that are at a minimum matching those that leading producers have already agreed to<sup>9</sup>: By 2025, Canada should transform the plastic packaging sector by meeting four targets:
  - a. Along with reduction efforts, all plastic packaging should be reusable or recyclable.
  - b. A 70% target for all plastic packaging to be effectively reused or recycled.
  - c. Take actions to eliminate problematic or unnecessary single-use packaging items through redesign, innovation or alternative (reuse) delivery models.
  - d. A target of 50% average recycled content across all plastic packaging.

Note it is not enough to confirm that there are municipal or industry collection systems where the product is sold in order to make a claim of "recyclable" or "compostable." There must also be facilities to process the collected materials and reuse them as an input to another product that can be marketed and used. However, these cannot be an expectation that municipal processing facilities will upgrade for new materials and packaging coming into the marketplace. This is in line with the Canadian Standards Association's Environmental claims: A guide for industry and advertisers, 2008.

6. Support for recyclable commodity markets by incenting the use of secondary materials over virgin material through tax incentives and procurement practices.
7. Public procurement requirements for zero waste plastic products and leasing goods instead of purchases, to spur the transition to a circular economy.
8. Establish permanent, dedicated, and annual adequate funding for cleanup of products and packaging that do not have a responsible producer; community led projects to clean up plastics and debris on shores, banks, beaches and other aquatic peripheries that do not take away from the goals of producer responsibility; and education and outreach campaigns on the root causes and

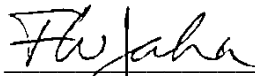
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<sup>9</sup> Information on the Plastic Pact can be found at <http://www.wrap.org.uk/content/the-uk-plastics-pact>.

negative environmental effects of waste products and packaging in and around all bodies of water.

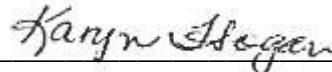
We look forward to continuing to work with the Federal Government on how to ensure that plastics remain in circulation within the economy and out of disposal sites and the environment. We would be happy to assist with discussions on development of a national producer responsibility framework. We encourage you to take bold actions to meet this challenge and to set an international example for other countries to follow.

Sincerely,



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Fred W. Jahn, P.Eng  
Chair, Regional Public Works  
Commissioner of Ontario



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Karyn Hogan, BA, MLIS, MA  
Chair, Municipal Waste Association



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Jim McKay  
General Manager,  
Solid Waste Management Services  
City of Toronto



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Monika Turner  
Director of Policy  
Association of Municipalities of Ontario

cc: Stephen Lucas, Deputy Minister, Environment and Climate Change Canada  
Jim Whitestone, Assistant Deputy Minister, Ontario Ministry of Environment and Climate Change  
Michael Goeres, Executive Director, Canadian Council of Ministers of the Environment  
Matt Gemmel, Acting Manager, Federation of Canadian Municipalities

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# The Regional Municipality of Durham Information Report

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From: Commissioner of Works  
Report: [#2018-INFO-158](#)  
Date: December 7, 2018

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**Subject:**

Durham York Energy Centre Source Test Update

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**Recommendation:**

Receive for information

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**Report:**

**1. Purpose**

1.1 The purpose of this report is to provide an update on the Environmental Compliance Approval (ECA) compliance 2018 Source Test results at the Durham York Energy Centre (DYEC).

**2. Background**

2.1 The ECA requires the Owners to perform annual Source Testing in accordance with the procedures and schedule outlined in Schedule "E" of the ECA. The Source Test is to determine the rate of emission of the Test Contaminants from the Stack.

**3. ECA Compliance Source Test**

3.1 The ECA Source Test was conducted between September 11 and September 14, 2018, for all test contaminants on both Boiler #1 and Boiler #2.

3.2 The results of the ECA Source Test demonstrated that all emissions were within the limits detailed in the ECA (Attachment #1).

3.3 The ECA Source Test Report was sent to the Ministry of the Environment, Conservation and Parks (MECP) and subsequently posted to the project website.

## Distribution Modeling

- 3.4 The DYEC emissions dispersion was modeled utilizing the Source Test data and the MECP approved CALPUFF model. The results of the contaminant concentrations at the maximum point of impingement were then compared to the limits within the Ontario Regulation 419/05 Air Pollution – Local Air Quality. Ontario Regulation 419/05 Air Pollution – Local Air Quality limits are set to be protective of human health and the environment.
- 3.5 All of the calculated impingement concentrations were well below the regulatory limits. Of particular interest is the evaluation of Dioxins and Furans. These values, once modeled for the maximum point of impingement, show that concentrations of 0.0003 PicoGrams (pg) Total Toxic Equivalency Concentration per Reference Cubic Metre (TEQ/Rm<sup>3</sup>) can be attributed to the DYEC emissions. The Ontario Regulation 419/05 Air Pollution – Local Air Quality regulatory standard is 0.1 pg TEQ/Rm<sup>3</sup>.

## **4. Owners' Consultants' Reviews**

- 4.1 Airzone One Ltd., the Source Test peer reviewer, provided a memo on their preliminary findings on the Source Test sampling (Attachment #2), which concludes that:

“Based on the observations made during collection of samples, we are satisfied that Ortech collected all dioxin and furan samples according to standard operating procedures and approved methods, with the deviations from the methods/protocols already noted. Final comments concerning the results of all of the testing and compliance of the facility will be made upon review of the final stack testing report to be issued by Ortech.”

- 4.2 HDR personnel were also present during the Source Test. In Attachment #3, HDR reported that:

“HDR has completed our review of the preliminary results from the DYEC Fall 2018 Compliance Test that was performed during the period between September 11 and September 14, 2018. Representatives from HDR were present to observe the testing procedures and DYEC operations throughout the majority of the Compliance Test period. Overall, ORTECH appeared to follow good stack sampling procedures, and Covanta's plant personnel were observed to be operating the DYEC in accordance with acceptable industry operating standards and to normal operating conditions. Based on the preliminary results summarized in Table 1, the results of the Fall 2018 Compliance Stack Test demonstrated that the DYEC operated below the ECA's Schedule “C” limits.”

**5. Conclusion**

- 5.1 The Owners' technical consultants and peer reviewers have confirmed that the ECA Source Test was conducted in accordance with the MECP's guidelines.
- 5.2 All results of the Source Test were in compliance with the ECA limits.

**6. Attachments**

Attachment #1: DYEC fall 2018 Compliance Test – Source Test Results

Attachment #2: [AirZone One Ltd. Source Tests: Preliminary Findings Memo](#)  
(Attachment #2 is listed under What's New at [www.durhamyorkwaste.ca/Home/Home.aspx](http://www.durhamyorkwaste.ca/Home/Home.aspx))

Attachment #3: [HDR Inc. Source Test Assessment Memo](#)  
(Attachment #3 is listed under What's New at [www.durhamyorkwaste.ca/Home/Home.aspx](http://www.durhamyorkwaste.ca/Home/Home.aspx))

Respectfully submitted,

**Original signed by:**

---

Susan Siopis, P.Eng.  
Commissioner of Works

## Summary of Compliance Source Test Results

Parameter	Units	Environmental Compliance Approval Limit	Boiler #1 Result	Boiler #2 Result
Particulate Matter (PM) <sup>(1)</sup>	mg/Rm <sup>3</sup>	9	0.34	0.32
Mercury (Hg) <sup>(1)</sup>	µg/Rm <sup>3</sup>	15	0.30	0.13
Cadmium (Cd) <sup>(1)</sup>	µg/Rm <sup>3</sup>	7	0.14	0.035
Lead (Pb) <sup>(1)</sup>	µg/Rm <sup>3</sup>	50	0.18	0.22
Hydrochloric Acid (HCl) <sup>(2)(3)</sup>	mg/Rm <sup>3</sup>	9	2.9	4.1
Sulphur Dioxide (SO <sub>2</sub> ) <sup>(2)(3)</sup>	mg/Rm <sup>3</sup>	35	0.0	0.1
Nitrogen Oxides (NO <sub>x</sub> ) <sup>(2)(3)</sup>	mg/Rm <sup>3</sup>	121	109	111
Carbon Monoxide (CO) <sup>(2)(4)</sup>	mg/Rm <sup>3</sup>	40	13.0	13.4
Total Hydrocarbons (THC) <sup>(5)</sup>	ppm	50	0.7	1.0
Dioxins and Furans <sup>(6)</sup>	pg TEQ/Rm <sup>3</sup>	60	5.05	3.22

(1) dry at 25 degree Celsius and one atmosphere, adjusted to 11 per cent oxygen by volume

(2) based on process data or Continuous Emissions Monitoring (CEM) data provided by Covanta

(3) maximum calculated rolling arithmetic average of 24 hours of data measured by the Durham York Energy Centre (DYEC) Continuous Emissions Monitors (CEMS), dry at 25 degrees Celsius and one atmosphere, adjusted to 11 per cent oxygen by volume

(4) maximum calculated rolling arithmetic average of 4 hours of data measured by the DYEC CEMS, dry at 25 degrees Celsius and one atmosphere, adjusted to 11 per cent oxygen by volume

(5) average of three one-hour tests measured at an undiluted location, reported on a dry basis expressed as equivalent methane

(6) calculated using the North Atlantic Treaty Organization (NATO)/ Committee on the Challenges of Modern Society (CCMS) (1989) toxicity equivalence factors and the full detection limit for those isomers below the analytical detection limit, dry at 25 degrees Celsius and one atmosphere, adjusted to 11 per cent oxygen by volume



# The Regional Municipality of Durham Report

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To: Works Committee  
From: Commissioner of Works  
Report: [#2019-WR-1](#)  
Date: January 9, 2019

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**Subject:**

City of Vancouver Single-Use Items Reduction Strategy

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**Recommendations:**

That the Works Committee recommends to Regional Council that this report be received for information.

---

**Report:**

**1. Purpose**

- 1.1 On September 12, 2018, Regional Municipality of Durham (Region) Council directed staff to prepare an information report on the City of Vancouver's (Vancouver) Strategy for Single-Use Items Reduction (Strategy).
- 1.2 This report provides Regional Council with information on the Strategy that was approved by Vancouver Council on June 5, 2018 and builds on the Region's previous [Information Report #2018-INFO-127 on Single Use Plastics](#) issued August 31, 2018.
- 1.3 Vancouver is responsible for delivering collection services to residents. Industrial, commercial, and institution (ICI) waste services are provided privately. As such, the Strategy focuses primarily on influencing the ICI community with a goal of preventing single-use item waste generation, as opposed to disposal restrictions.

**2. Background**

In May 2016, Vancouver Council directed staff to develop a strategy to achieve Vancouver's long-term goal of zero waste. Zero Waste 2040 Plan (Plan) was

created in response to that direction and serves as a long-term strategic waste management plan to guide future decisions relating to waste. Zero Waste 2040 Plan (Plan) establishes a vision, strategic framework, objectives, target, and priorities for action. The development of a Strategy was recommended as a priority action within the Plan. Even though single-use items are predominately made of plastic, this Strategy targets several single-use items not made of plastic. This Strategy was adopted and approved by Vancouver Council on June 5, 2018. This report provides an outline of Vancouver's strategy to reduce single-use plastics.

### **3. Phase one – Development of Strategy (2018)**

#### Plastic and paper shopping bags

- 3.1 Vancouver will create behavioural change campaigns to promote and educate the public about shopping bag waste. The action plan focuses on the impact of shopping bag waste and is intended to apply equally to all plastic and paper shopping bags and to all businesses using bags.

#### Expanded polystyrene foam cups and take-out containers

- 3.2 The plan intends to ban the use of expanded polystyrene foam cups and take-out containers. Once details of the new by-laws have been finalized, Vancouver will work with businesses and other organizations to stop using polystyrene foam cups and containers. The campaign will:

- Develop language-appropriate educational resources about substitute materials for polystyrene cups and containers for business.
- Work with organizations, charitable organizations, and others to raise awareness of recyclable or compostable substitute materials.
- Execute a social media campaign to align with bylaw amendments to educate the public and businesses about the ban.

#### Disposable hot and cold drink cups

- 3.3 The Plan targets the impact from disposable hot and cold drink cups including polycoat paper cups (such as coffee cups) and plastic cups. The Strategy will:
- Investigate options to reduce public space collection costs and recover these costs from the businesses that generate disposable drink cup waste.
  - Promote and amplify education and behaviour change programs led by industry organizations, non-profits, and community groups.



- Investigate and report back on an increased business license fee for large businesses in which distribution of single-use items is pervasive.
- Execute a social media campaign to align with bylaw amendments to educate the public and businesses about the ban.

#### Take-out food containers

3.4 The action plan is aimed at reducing the disposal of quick-serve and take-out food containers used by restaurants. Vancouver's program will:

- Investigate opportunities to recover the costs of collecting take-out containers in public spaces from the businesses that generate this waste.
- Launch a Bring Your Own Container pilot in partnership with Vancouver Coastal Health.
- Investigate and report back on an increased business license fee for large businesses in which distribution of single-use items is pervasive.

### **4. Phase Two - Implementation of the Strategy (2019 to 2020)**

#### Plastic and paper shopping bags

4.1 In January 2019, Vancouver plans to set annual shopping bag waste reduction targets with an accompanying reduction plan by-law. The following are planned components of the reduction strategy:

A) Businesses in the region will be given the following reduction choices:

- No plastic or paper shopping bags to be distributed.
- Plastic or paper shopping bags cannot be distributed for free.
- Other mechanisms that achieve a reduction target to be proposed and finalized through consultation.

B) Vancouver will execute a social media campaign to educate the public and businesses and develop material for businesses to help educate customers

C) The Strategy indorses the development by-law amendments in 2019 to 2020 to require compostable single-use items used in Vancouver be tested and approved by local composting facilities and paper-based shopping bags to contain a minimum 40 per cent post-consumer content.

### Polystyrene foam cups and take-out containers

- 4.2 Subject to Regional Council enactment of the proposed by-law in 2019, businesses will be prohibited from serving prepared food in polystyrene foam cups and take-out containers effective June 1, 2019. The Strategy recommends the fostering of a collective purchasing program for small businesses to purchase recyclable and compostable containers at reduced costs.

### Disposable hot and cold drink cups

- 4.3 Business license holders must have reduction plans for disposable cups and must report to Vancouver on the number of cups they distribute. These reduction plans must include one of the below options:

- No disposable cups to be distributed.
- Disposable cups cannot be distributed for free.
- Other mechanisms that achieve a reduction target to be proposed and finalized through consultation.

- 4.4 The Strategy endorses the development by-law amendments in 2019-2020 to require compostable single-use items used in Vancouver be tested and approved by local composting facilities and paper-based disposable cups to contain a minimum 40 per cent post-consumer content. The proposed by-law amendments would be accompanied by the following programs:

#### A) Education and outreach program:

- Execute a social media campaign to educate the public and businesses.
- Develop display material for businesses to help educate customers.

#### B) Infrastructure and programs:

- Explore the need and feasibility for requiring commercial dishwashers to support the use of reusable cups on site.
- Explore opportunities to support the development of sharing and exchange programs for a city-wide travel mug exchange program.

- 4.5 Vancouver will also evaluate the need for a by-law amendment to require single-use cups to be recyclable or compostable, with clear guidelines for acceptable materials in recycling and composting facilities. Finally, Vancouver will mandate in-store collection of recyclable and compostable cups.

### Take-out food containers

- 4.6 The Strategy proposes by-law amendments requiring compostable single-use items used in Vancouver to be approved by local composting facilities and that paper-based disposable containers to contain a minimum 40 per cent post-consumer content. The Strategy for disposable containers also includes the following elements:
- Explore opportunities to develop a sharing exchange program for reusable items such as a city-wide reusable take-out container exchange program.
  - Explore the need and feasibility for requiring commercial dishwashers to support the use of reusable items on-site.
  - Engage food delivery and food vendors that offer delivery to identify opportunities to reduce single-use take-out containers and packaging.

### Disposable straws and utensils

- 4.7 The Strategy aims to reduce the impact that plastic straws and utensils have on the back end of the recycling/composting recovery process.
- 4.8 In 2019, Vancouver will prohibit businesses from distributing single-use plastic straws (with exemptions for health care needs) effective June 1, 2019. Vancouver intends to introduce by-law amendments to prohibit business license holders from providing single-use utensils unless requested by customers and develop by-law amendments which will also require compostable utensils used in Vancouver to be approved by local composting facilities and that paper-based disposable containers to contain a minimum 40 per cent post-consumer content. This strategy will:
- Introduce a social media campaign to educate the public and businesses.
  - Develop display material for businesses to help educate customers.

## **5. Phase Three - Long Term Implementation and Program Optimization Strategy (2021 to 2025)**

### Plastic and paper shopping bags

- 5.1 Vancouver aims to accomplish the following long-term goals:
- Office buildings will be required to provide plastic bag recycling.
  - Vancouver will evaluate the amount of fees that business must charge for

plastic and paper bags, or introduce a ban.

- Vancouver will implement a full distribution ban on single-use plastic bags if annual reduction targets are not consistently met by 2021.

#### Disposable hot and cold drink cups

5.2 The Strategy includes the following actions:

- Require office buildings to provide a recycling program for disposable cups.
- Evaluate the need for the City to specify the amount of fees that business must charge on disposable cups to drive further reduction.
- Implement a full distribution ban on disposable cups if annual reduction targets are not consistently met by 2021.

#### Take-out food containers

5.3 The Strategy includes the following actions:

- Evaluate the need for by-law amendments to require take-out containers to be recyclable or compostable, with clear guidelines for acceptable materials that can be processed in local recycling and composting facilities.
- Require in-store collection and recycling/composting of take-out containers.
- Require office buildings to provide recycling/compost for take-out containers.
- Evaluate the need to introduce reduction plans for take-out containers once sufficient reusable alternatives and infrastructure have been established.

#### Disposable straws and utensils

5.4 Vancouver's Strategy recommends the following actions:

- Evaluate the need for by-law amendments to require single-use straws and utensils to be recyclable or compostable, with clear guidelines for acceptable materials that can be processed in local recycling and composting facilities.
- Require in-store collection of recyclable and compostable straws and utensils where distributed.
- Evaluate the need for Vancouver to set fees to be charged on single-use straws and utensils.

**6. Conclusion**

- 6.1 In May 2016, City of Vancouver Council directed staff to develop a comprehensive single-use item strategy. This Single-Use Item Reduction Strategy outlines progressive steps aimed at helping the City of Vancouver to reach its long-term waste management plan. The common component of the strategy outlined in this report are by-law amendments and comprehensive education programs.
- 6.2 The City of Vancouver's Single-Use Item Reduction Strategy was initiated as part of a long-term waste management plan and similar strategies for the Regional Municipality of Durham would be identified as part of the Regional Municipality of Durham's long-term waste management plan.
- 6.3 If Ontario municipalities are to embark on similar waste reduction strategies, existing education programs and by-law will also need to be evaluated and enhanced.
- 6.4 For additional information, please contact Craig Bartlett, Manager, Waste Operations, at 905-666-7711, extension 3561.

Respectfully submitted,

**Original signed by:**

---

Susan Siopis, P.Eng.  
Commissioner of Works

Recommended for Presentation to Committee

**Original signed by:**

---

Elaine C. Baxter-Trahair  
Chief Administrative Officer

**Maria Flammia**

**From:** Felicia Bianchet <FBianchet@oshawa.ca>  
**Sent:** Wednesday, December 05, 2018 12:37 PM  
**To:** Clerks; connect@uoit.ca; dccares@durhamcollege.ca; 1344@drps.ca; alongo@drps.ca; durham@trentu.ca  
**Subject:** Oshawa City Council Resolution - Proposed Community Safety Zones for the U.O.I.T. and Durham College Campus Area  
**Attachments:** Correspondence\_Community Safety.pdf  
**Categories:** Insurance Claims

Oshawa City Council considered the matter 'Proposed Community Safety Zones for the U.O.I.T. and Durham College Campus Area' at its meeting of December 3, 2018 and adopted the attached resolution.

Thank you,



Felicia Bianchet, Council and Committee Coordinator | City of Oshawa  
 905-436-3311 ext. 2212 | 1-800-667-4292  
**FBianchet@oshawa.ca** | **www.oshawa.ca**  
 "Dedicated to serving our community."



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C.S. - LEGISLATIVE SERVICES

Original
To: <i>Agenda Works</i>
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To: <i>S. Lopez</i>
<i>E. Baxter - Travail</i>
C.C. <u>S.C.C.</u> File
Take Appr. Action



DEC 5 11:18 PM 2018



Corporate Services Department  
City Clerk Services

File: A-2100

December 5, 2018

Region of Durham  
Email: clerks@durham.ca

Re: Proposed Community Safety Zones for the U.O.I.T. and Durham College Campus Area

Oshawa City Council considered the above matter at its meeting of December 3, 2018 and adopted the following recommendation:

“Whereas community safety is a key priority of the City of Oshawa for both pedestrians and drivers; and,

Whereas community safety zones are sections of a roadway where public safety is of special concern such as areas near schools and where penalties for matters such as speeding and careless driving are increased; and,

Whereas it is important to work collaboratively with other stakeholders such as the Region of Durham, Durham Regional Police Service, U.O.I.T., Durham College and Trent University Durham GTA to improve community safety in the U.O.I.T. and Durham College campus area near Simcoe Street North and Conlin Road; and

Whereas Conlin Road is under the City’s jurisdiction and Simcoe Street North in this area is under the Region of Durham’s jurisdiction; and

Whereas addressing this community safety concern in this area is a time sensitive matter;

Therefore be it resolved:

1. That the City’s Traffic By-law be appropriately amended to establish a community safety zone along Conlin Road generally between Bridle Road/Oshawa Creek east of Simcoe Street North and the Oshawa Creek/Founders Drive west of Simcoe Street North for all times throughout the year (24/7, 365 days a year) and that the Commissioner of Community Services be delegated the authority to pass the amending by-law and to install appropriate signage and Speed Boards in appropriate locations.

2. That the Region of Durham be requested to pass a bylaw to establish a community safety zone along Simcoe Street North generally between the intersection at Niagara Drive/Selleck Lane on the south and the Campus Ice Centre driveway on the north applicable to all times throughout the year and to install appropriate signage and Speed Boards along Simcoe Street North in appropriate locations.
3. That the Region of Durham be requested to reduce the 60 km/hr speed limit between Conlin Road and Britannia Avenue to 50 km/hr which is within the proposed community safety zone and leading up to the community safety zone and to reduce the 80 km/hr speed limit between Britannia Avenue and Highway 407 to 60 km/hr.
4. That Durham Regional Police Service be requested to strongly and consistently enforce the community safety zones in this area including the use of regular enforcement blitzes, especially during the university/college school year.
5. That City staff work with the Region of Durham, Durham Regional Police, U.O.I.T., Durham College, Trent University Durham GTA to prepare and implement a communication plan to make the public aware of the community safety zones and the importance of pedestrian and driver safety.
6. That the Region of Durham be requested to install at its sole cost both a temporary asphalt sidewalk on the east side of Simcoe Street North between Britannia Avenue East and Northern Dancer Drive and a temporary asphalt sidewalk on the west side of Simcoe Street North between Britannia Avenue West and the existing multi use sidewalk north of Conlin Road West as soon as possible before Simcoe Street North is reconstructed.
7. That Community Services staff continue to review ways with the Region of Durham, Durham Regional Police Services, U.O.I.T. and Durham College to improve public safety along the arterial roads in this area including reviewing matters in accordance with the City's Neighbourhood Traffic Management Guide and that, as appropriate, signage such as radar message boards be used as a safety management tool and further that as part of this review staff be directed to review community safety issues along Conlin Road generally between Thornton Road North and Ritson Road North.
8. That the cost to install any signage/Speed Boards on Conlin Road be paid from an appropriate reserve/account as determined by the Commissioner of Finance/Treasurer.
9. That a copy of this resolution be forwarded to U.O.I.T., Durham College, Trent University Durham GTA, the Region of Durham, the Durham Regional Police Services Board and the Police Chief."

By copy of this letter, I am forwarding this resolution to U.O.I.T., Durham College, Trent University Durham GTA, the Region of Durham, the Durham Regional Police Services Board and the Police Chief requesting their support for proposed community safety zones for the U.O.I.T. and Durham College campus area.



If you need further assistance concerning the above matter, please contact Ron Diskey, Commissioner, Community Services Department at the address listed below or by telephone at 905-436-3311.



Andrew Brouwer  
City Clerk

/fb

- c. Community Services Department  
U.O.I.T.  
Durham College  
Trent University Durham GTA  
Durham Regional Police Services Board  
Police Chief



# The Regional Municipality of Durham Report

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To: Works Committee  
From: Commissioner of Works  
Report: [#2019-W-1](#)  
Date: January 9, 2019

---

## **Subject:**

Issuance of an Encroachment Agreement within the Road Allowance at the Corner of Westney Road North (Regional Road 31) and Kingston Road West (Regional Highway # 2), in the Town of Ajax

---

## **Recommendations:**

That the Works Committee recommends to Regional Council:

- A) That an Encroachment Agreement with Durham Condominium Corporation 102 permitting the encroachment of a walkway located at 2 Westney Road North, in the Town of Ajax extending 7.5 metres (24.6 feet) within the Kingston Road (Regional Highway # 2) road allowance be approved; and
  - B) That the Regional Chair and Clerk be authorized to execute all documents associated with this agreement.
- 

## **Report:**

### **1. Purpose**

- 1.1 The purpose of this report is to seek approval to grant an encroachment agreement to Durham Condominium Corporation 102 located at 2 Westney Road North, in the Town of Ajax for a walkway extending 7.5 metres (24.6 feet) within the Kingston Road (Regional Highway # 2) road allowance.

### **2. Background**

- 2.1 The subject property, known as 2 Westney Road North, in the Town of Ajax, is located on the north side of the Kingston Road (Regional Highway # 2) road allowance west of Westney Road (Regional Road No. 31). The applicant has requested that an encroachment agreement be permitted allowing the owner to build a walkway that extends within the road allowance owned by the Regional

Municipality of Durham (Region) from the property line to the sidewalk on Kingston Road. The walkway will extend approximately 7.5 metres (24.6 feet) into the road allowance with the area of the encroachment being approximately 11.25 square metres (36.9 square feet).

- 2.2 The applicant has agreed to indemnify and save the Region harmless against any costs, claims for damages, charges, actions, suits or demands or expenses incurred by the Region that may occur as a result of this encroachment.

### **3. Conclusion**

- 3.1 Works Department staff has reviewed this request and recommend the issuance of an Encroachment Agreement, subject to the removal of the encroachments at the cost of the applicant, when the road allowance is required for Regional purposes.
- 3.2 For additional information, please contact Jeremy Harness, Manager, Financial Services and Corporate Real Estate, at 905-666-7711, extension 3475.

### **4. Attachments**

Attachment #1: Location Map – Encroachment – Walkway, 2 Westney Road, in the Town of Ajax

Respectfully submitted,

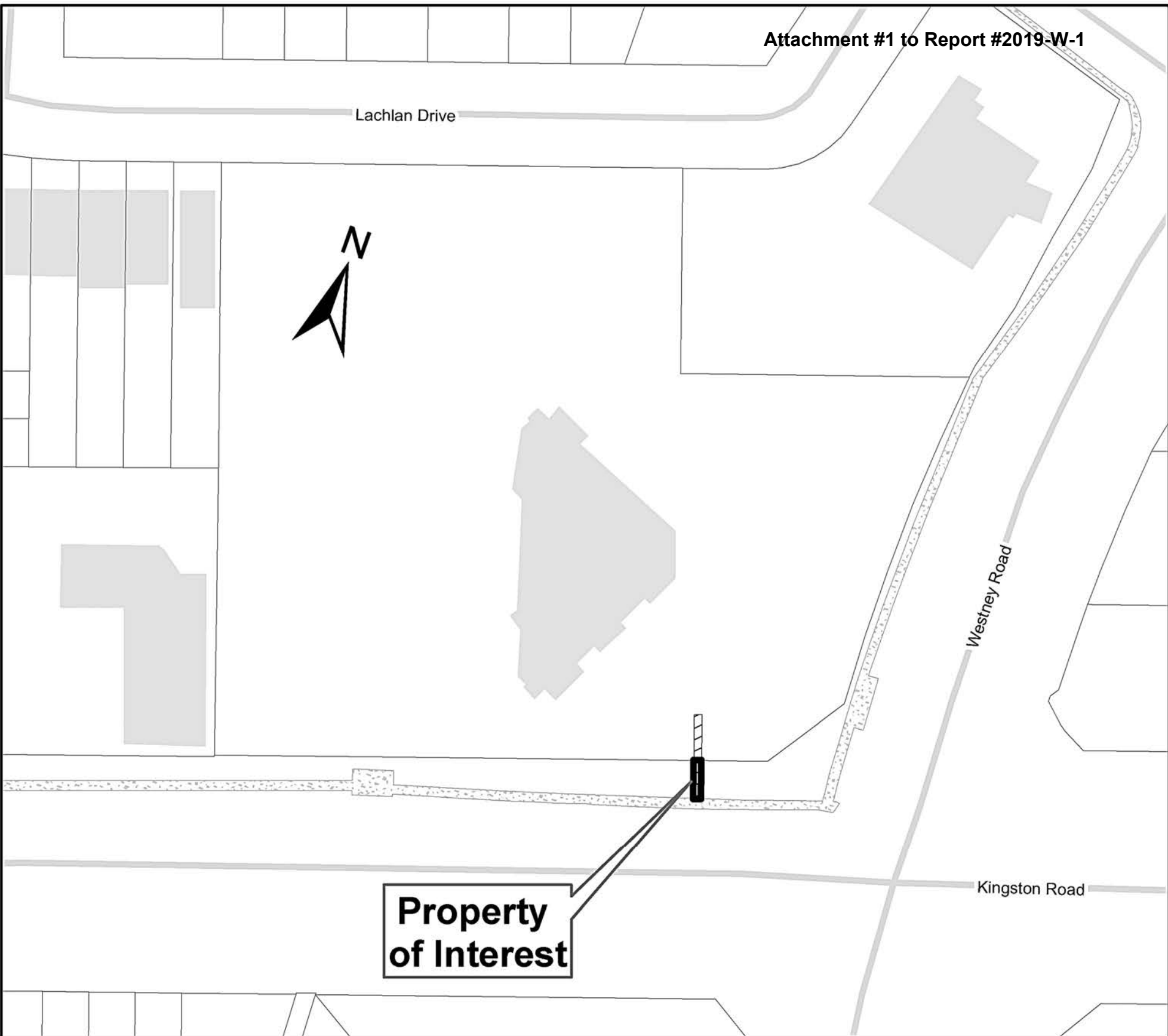
Original signed by: \_\_\_\_\_

Susan Siopis, P.Eng.  
Commissioner of Works

Recommended for Presentation to Committee

Original signed by: \_\_\_\_\_


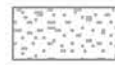
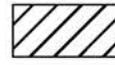

Elaine C. Baxter-Trahair  
Chief Administrative Officer

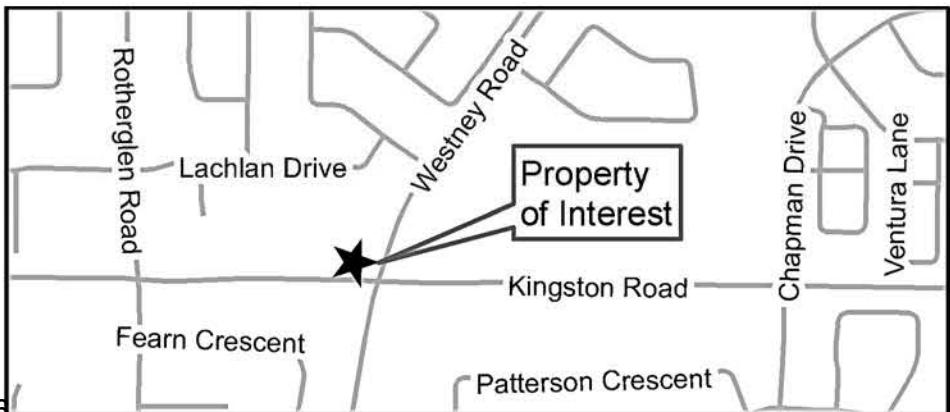
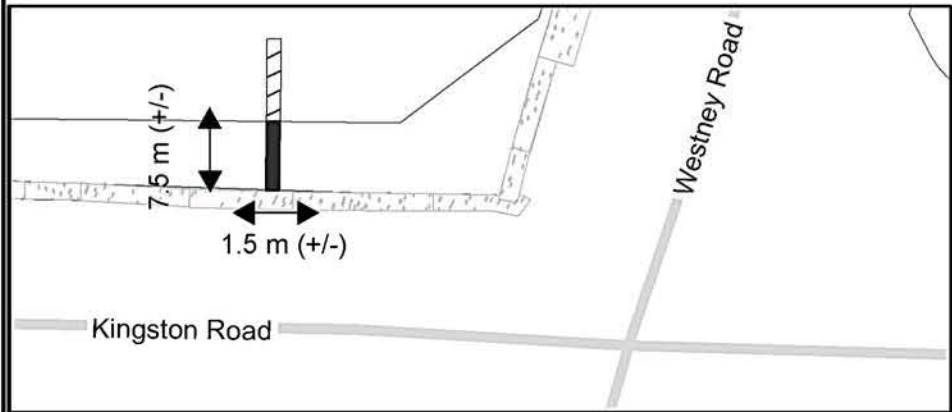


**Attachment #1: Location Map  
Encroachment-Walkway  
2 Westney Road, Town of Ajax**



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GIS Data: Produced by Durham Region GIS Services, 2012.  
This map has been produced from a variety of sources. The Region of Durham does not make any representations concerning the accuracy, likely results, or reliability of the use of the materials. The Region hereby disclaims all representations and warranties.  
© MPAC and its suppliers. All rights reserved. Not a plan of Survey;

-  Proposed Encroachment
-  Sidewalk
-  Proposed Walkway
-  Assessment Parcels





# The Regional Municipality of Durham Report

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To: Works Committee  
From: Commissioner of Works  
Report: [#2019-W-2](#)  
Date: January 9, 2019

---

**Subject:**

Site Plan Agreement for the Construction of the Newcastle Water Supply Plant, in the Municipality of Clarington

---

**Recommendations:**

That the Works Committee recommends to Regional Council that the Regional Chair and Clerk be authorized to execute all documents associated with the site plan agreement and building permit process for the construction of the new Newcastle Water Supply Plant, in the Municipality of Clarington.

---

**Report:**

**1. Purpose**

1.1 This report seeks authorization for the Regional Municipality of Durham (Region) to enter into a site plan agreement with the Municipality of Clarington (Clarington) to permit the Region to construct the new Newcastle Water Supply Plant (WSP), in Clarington.

**2. Background**

2.1 The Regional Water Supply System Business Plan and Budget includes the construction of a new Newcastle WSP at the site of the existing Newcastle WSP.

2.2 In order to construct the new Newcastle WSP, the Region will need to enter into a Site Plan Agreement and obtain building permits from Clarington.

**3. Discussion**

3.1 The detailed design for the construction of the new Newcastle WSP is progressing towards construction tendering in 2019.

3.2 Regional Council approval is required to give the Regional Chair and Clerk authority to enter into a site plan agreement and apply for a building permit.

#### **4. Financial Implications**

4.1 Financing for the permit fees for the site plan application and the building permit will be provided from within the approved project budget for the Newcastle WSP (Project D1117).

#### **5. Conclusion**

5.1 In order for the Works Department to obtain approvals for the construction of the new Newcastle Water Supply Plant, it is recommended that the Regional Chair and Clerk be given authority to execute all documents associated with the site plan agreement and building permit process.

5.2 For additional information, please contact Jim McGilton, Manager, Environmental Services Design, at 905-666-7711, extension 3485.

Respectfully submitted,

Original signed by: \_\_\_\_\_

Susan Siopis, P.Eng.  
Commissioner of Works

Recommended for Presentation to Committee

Original signed by: \_\_\_\_\_

Elaine C. Baxter-Trahair  
Chief Administrative Officer



# The Regional Municipality of Durham Report

---

To: Works Committee  
From: Commissioner of Works  
Report: [#2019-W-3](#)  
Date: January 9, 2019

---

**Subject:**

Petition for the Construction of a Watermain on Ontoro Boulevard and Range Road, in the Town of Ajax

---

**Recommendation:**

That the Works Committee recommends to Regional Council that this report be received for information.

---

**Report:**

**1. Purpose**

1.1 The purpose of this report is to provide Works Committee and Regional Council with the results of a petition for the construction of a watermain on Ontoro Boulevard and Range Road, in the Town of Ajax, as shown on Attachment #1.

**2. Background**

2.1 On June 13, 2018, Regional Council directed staff to initiate a petition process for water supply servicing, host an information session for residents, and to explore any potential grants and financing options.

2.2 An Information Session was held by the Regional Municipality of Durham (Region) on August 16, 2018. Approximately 35 property owners attended the meeting. A presentation was provided and a question and answer period followed. Property owners were advised that at the time, there was no grant funding being offered by the Province of Ontario.

- 2.3 In August 2018, the Region sent out a petition to the residents along Ontoro Boulevard and Range Road. A sample of the typical letter sent to residents is included in Attachment #2. The results of the petition were that 59 per cent of the property owners (26 out of 44) were in favour of the water supply service.
- 2.4 The governing legislation, Ontario Regulation 586/06 requires that 2/3 (67 per cent) of the property owners representing 50 per cent of the value of the lands, be in favour of the project for the petition to be successful. The Regional Clerk has certified that the property owners are not in favour of the petition.
- 2.5 The Region received three responses from property owners after the October 15, 2018 deadline.

### 3. Results

- 3.1 Forty-four (44) individual property owners were sent letters with a request to respond if each is “in favour” or “not in favour” of the construction of the watermain. The results were as follows:

In favour of the construction of the watermain	26
Not in favour of the construction of the watermain	6
No response received by the October 15, 2018 deadline	<u>12</u>
<b>Total</b>	<b>44</b>

- 3.2 As all non-responses are considered to be “not in favour”, the petition minimum requirements have not been met with only 59 per cent of the owners in support of the construction.

### 4. Conclusion

- 4.1 The petition for the construction of a watermain on Ontoro Boulevard and Range Road, in the Town of Ajax, has not met the minimum requirements in order to proceed as set out in Ontario Regulation 586/06.
- 4.2 For additional information, please contact John Presta, Director, Environmental Services, at 905-668-7711, extension 3520.



**5. Attachments**

Attachment #1: Location Plan – Range Road and Ontoro Boulevard Limits of Petition, Town of Ajax

Attachment #2: Petition Plan – Letter dated August 30, 2018 regarding petition for watermain construction on Range Road and Ontoro Boulevard, in the Town of Ajax

Respectfully submitted,

**Original signed by:**

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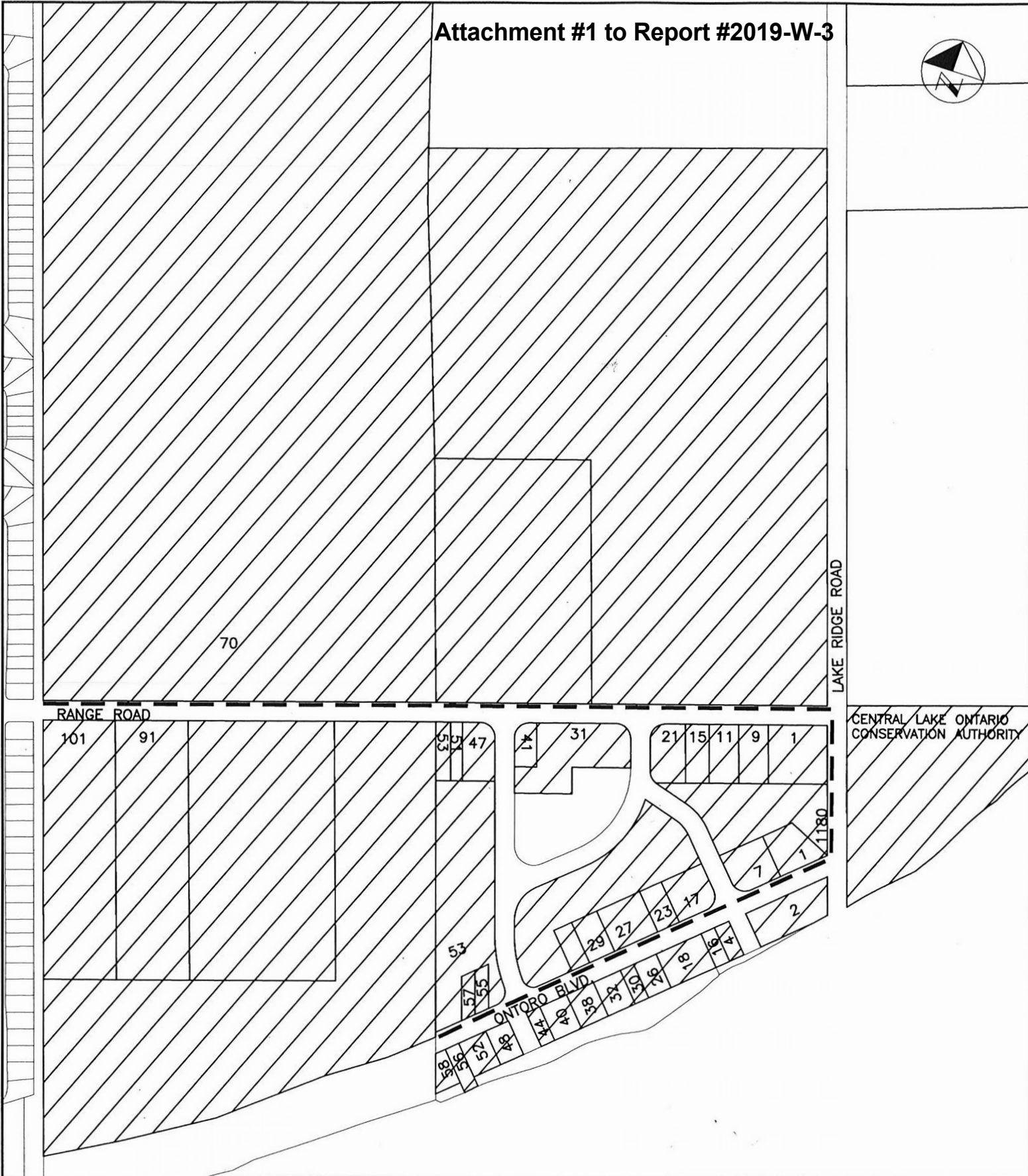
Susan Siopis, P.Eng.  
Commissioner of Works

Recommended for Presentation to Committee



**Original signed by:**

---

Elaine C. Baxter-Trahair  
Chief Administrative Officer



RANGE ROAD AND ONTORO BOULEVARD  
LIMITS OF PETITION  
TOWN OF AJAX

PROPERTY SUBJECT TO FRONTAGE CHARGES   
PROPOSED 200 mm WATERMAIN 

August 30, 2018

*Owners Address*  
*Range Road and Ontoro Boulevard*  
*Ajax, Ontario L1Z 1X2*

Dear (Owner's Name) :

**Re: Petition for Watermain construction on Range Road  
and Ontoro Boulevard, In the Town of Ajax**

---

Regional Council have directed staff to conduct a petition for a watermain on Range Road and Ontoro Boulevard, in order to service approximately 44 properties, in the Town of Ajax.

It is important to note that should the watermain construction proceed based on a successful petition, the actual project cost of the watermain will be fully recovered from the benefitting property owners through collection of area specific frontage charges. Please be advised that frontage charges are payable by all property owners following completion of the work, regardless of whether or not that property owner chooses to connect to the watermain. The water service connection charge remains payable only when and if a property owner chooses to connect.

The Region requests that you, as the property owner, respond by the date outlined on the attached form indicating whether or not you are in favour of proceeding with the construction of the watermain across the frontage of your property. Regulation 586/06 of the Municipal Act requires the support of at least 67 percent of the owners representing a minimum of 50 percent of the assessed property value of the benefitting lands in order to proceed with the design and construction of the watermain. Once the Region receives the petition results, the results of the petition will be filed with the Regional Clerk, and the Regional Clerk will then certify the sufficiency of the petition. Certified petition results are final, and will be reported to Regional Council.

In the event that the petition is successful, one water service connection will be provided to each property with a dwelling on it. All of the property owners abutting the new watermain will be responsible for their share of the cost. The share to be borne by each property owner will consist of the following:

**Frontage Charge** - This charge will be imposed on each owner following completion of the work. Alternatively, each owner may elect to pay in installments over a 10 year period at an annual interest rate of 6%. Owners will be required to pay the frontage charge whether connection is made to the water system or not.

**Connection Charge** - The owner will be required to pay for the water service connection from the watermain to the property line at the time of connection to the water system.

Specific costs for your property are included on the attached form.

- A) The current property has a residential dwelling on it. Should the petition be successful, a 19mm diameter water service will be provided to the property line during construction for the use of the existing residence. The property owner will be responsible for the actual cost of connecting the water service at the time of connection.
  
- B) The current property has a residential dwelling on it. Should the petition be successful, a 25mm diameter water service will be provided to the property line during construction for the use of the existing residence. The property owner will be responsible for the actual cost of connecting the water service at the time of connection.

**OR**

- C) The current property does not have a dwelling on it, and as such is not being provided with a water service to the property line. Should the petition be successful, one will be provided by the Region once the property owner pays the current (as of the time of connection) water service connection fees in advance of the issuance of a building permit to construct a dwelling.

Please note that all works on private property (works outside of the municipal right-of-way including, but not limited to, underground piping, internal and external plumbing, the abandonment of unused wells, etc.) are the responsibility of the property owner.

Once connected to the water system, each customer will pay a water user charge to contribute toward the operation and maintenance of the water system based on the water consumed.

Please complete the attached form indicating whether or not you support the project, understanding the timing for the payment of the required charges described above.

If you have any questions or comments on the above, please contact myself or Tracey Reid (extension 3516) at your convenience.

Yours truly,

---

Mike Hubble, P.Eng.  
Development Approvals

Attach.

If this information is required in an accessible format, please contact the Accessibility Co-ordinator at 1-800-372-1102, ext. 2009.

**Petition for watermain construction on Range Road and Ontoro Boulevard, in the Town of Ajax**

**Costs specific to (Address & the last revised assessment roll number)**

I, \_\_\_\_\_ as owner of the above noted property, have  
(please print)  
reviewed the information supplied and acknowledge that I will be responsible for the following costs to be paid to the Regional Municipality of Durham should this petition for water services be successful:

**Frontage Charges**

Frontage: (specific frtg) m  
Current Estimated Rate = \$555.74 per m

**Total Estimated Frontage Charge = \$**

Notes:

- (i) Frontage Charges are payable upon completion of construction regardless of whether a connection to the watermain is made or not.
- (ii) The actual project cost will be recovered through the frontage charges at the time they are payable. Estimates are provided above for example purposes only.

**Connection Charge**

19 mm Connection Charge = **\$7,000.00**

25 mm Connection Charge = **\$12,000.00**      **OR**

No dwelling unit = to be determined when dwelling unit is constructed.

Notes:

- (i) Connection Charges are payable if and when the property owner chooses to connect.
- (ii) Actual costs will be used to determine the connection charge. Estimated rates are provided above for example purposes only.

**Based on the above (please indicate your preference with an X):**

I am in favour of the construction of the watermain     

I am not in favour of the construction of the watermain     

\_\_\_\_\_  
(Signature)

Please complete this form and mail it to Tracey Reid in the addressed envelope provided on or before October 15, 2018.



# The Regional Municipality of Durham Report

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To: Works Committee  
From: Commissioner of Works  
Report: [#2019-W-4](#)  
Date: January 9, 2019

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**Subject:**

Extension of Water Services to Replace Private Wells in the Range Road/Ontoro Boulevard Area, in the Town of Ajax

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**Recommendations:**

That the Works Committee recommends to Regional Council that this report be received for information.

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**Report:**

**1. Purpose**

1.1 This report provides an overview regarding water quality issues and the requests to provide municipal water supply to Range Road/Ontoro Boulevard area, in the Town of Ajax (Ajax). Works Committee Report #2019-W-3 (also on this agenda) summarizes the results of the August 2018 petition for the construction of a watermain in the area.

**2. Background**

2.1 The Range Road/Ontoro Boulevard community is located in the rural south eastern portion of Ajax, generally along the waterfront. There are approximately 35 rural residential dwellings in the subject area.

2.2 The Urban Area Boundary is on the east side of the existing residential community. Municipal sanitary sewer and water services terminate at the intersection of Ashbury Boulevard and Hoile Drive, next to Range Road.

- 2.3 All properties within the Range Road/Ontoro Boulevard community are located outside of the designated Urban Area Boundary of the Regional and local Official Plans. The residential properties are within the Protected Countryside Area of the provincial Greenbelt Plan. The majority of the dwellings within this area are 400 metres to 800 metres east of the designated Urban Area boundary. Each dwelling is serviced with a private well and sewage disposal system.
- 2.4 Section 4.2.2.2 of the Greenbelt Plan, 2017 indicates the following:
- The extension of *municipal or private communal sewage or water services* outside of a *settlement area* boundary shall only be permitted in the case of health issues or to service *existing uses* and the expansion thereof adjacent to the *settlement area*.
- 2.5 In July 2005, the Region received an initial request for petition for services from residents of twenty-three (23) homes. Based on the prevailing provincial and Regional planning policies in place, the extension of water services could not be extended in the absence of an identified health issue. While historic testing available indicated that the water had some quality parameters that were outside of the health-related objectives for potable water, these could be addressed through private on-site treatment systems.
- 2.6 In 2011, the Region received correspondence addressed to Ajax Mayor Parish from Ms. T. M. Mason regarding water quality in the private wells in the Range Road/Ontoro Boulevard area of Ajax followed by a request for petition signed by residents of Range Road and Ontoro Boulevard requesting that municipal water and sanitary sewer service be extended to the area. The residents were advised that municipal water could not be extended to the area because there was no evidence of an identified health issue.
- 2.7 At its meeting on June 13, 2018, Regional Council declared that the water quality on Ontoro Boulevard and Range Road constitutes a health issue and directed Regional staff to start the petition process for water supply to the affected residents.
- 2.8 Upon review, the previous initial petition requests did not meet the requirements under the Ontario Regulation 586/06. Report #2018-INFO-80 prepared by Corporate Services – Legal provides more information on this subject.

### **3. Municipal Servicing and Financing**

- 3.1 As the most recent petition for services to this community failed, the extension of municipal services to the subject area has not been planned within the Region's Water Supply and Sanitary Sewerage Servicing and Financing Study.
- 3.2 In the event a petition is successful and then certified by the Regional Clerk, the requested municipal water supply would be constructed from the existing serviced residential community, easterly along Range Road to Lake Ridge Road, then southerly to Ontoro Boulevard, and then westerly for approximately 1,450 metres. The preliminary conceptional cost estimate for this watermain extension is in the order of \$1.4 million (total cost is \$1.8 million including connection costs), subject to engineering for site specific conditions.
- 3.3 As per the approved 2019 Listing of Fees and Charges, costs related to the installation of a water service resulting from a successful petition will be recovered at the actual cost (i.e. full cost recovery). The charges are imposed on each owner following completion of the work. Each owner has the option to pay in installments of a 10-year period at an annual interest rate of 6%. All owners will be required to pay the frontage charges upon completion of the watermain construction whether a connection is made to the service or not.
- 3.4 In addition, owners connecting to the services will be required to pay the actual connection cost from the property line at the time they choose to connect, and the homeowner is responsible for all works on private property.



- 3.5 There is approximately 2,606 metres of frontage applicable to the recent petition on Ontoro Boulevard. Staff were asked to consider the potential implications of 'grandfathering' an installation of a watermain on Ontoro Boulevard based on the date of the first request for petition submitted to the Region (i.e. the rates in effect in 2005 for frontage and connection charges). The following table depicts the recovery of costs based on the 2005 rates and the shortfall related to this approach:

<u>A. Frontage Charges</u>	<u>Rate</u>	<u>Frontage Charge</u>
Estimated Frontage: 2,606 metres		
Recovery based on 2005 Rates	\$135/metre	(\$351,810)
Estimated cost of Watermain (full cost recovery based on estimated cost of \$1,448,683 in 2018 petition)	\$555/metre	\$1,448,683
Variance that would be funded through User Rates		<u>\$1,096,873</u>
<u>B. Connection Charges</u>		<u>Connection Recovery</u>
Recovery based on 2005 Connection Rates		(\$62,820)
Recovery based on Petition (full cost recovery based on estimated costs of \$322,000 in 2018 petition)		\$322,000
Lost Connection Recovery		<u>\$259,180</u>

- 3.6 Based on the above analysis, Regional funding of approximately \$1.36 million would be required if the 2005 frontage and connection rates were used. This funding shortfall cannot be financed from development charges and would have to be financed from water user revenue through higher user rates (an increase of nearly 1.3 per cent for water supply) or a draw from the water supply treatment plant/rate stabilization reserve fund.

- 3.7 The impact of this additional increase to the average residential user would be \$6 per year (based on 220 cubic metres of annual usage) for this specific situation. For a large water user the impact would be approximately \$1,800 per year (based on 227,272 cubic metres of annual usage).
- 3.8 A draw from the reserve fund would utilize funding from a reserve fund that was built up from existing ratepayers and is intended to address future asset management needs and to provide contribution towards major plant capital projects.
- 3.9 Given that earlier requests for petitions were examined and did not meet the requirements under the Ontario Regulation 586/06, grandfathering charges at historical rates should not be considered in this particular situation. In addition, due to the absence of a declared health issue in 2005, the Region could not extend services at that time in accordance with existing provincial and Regional planning policies even with a valid petition.
- 3.10 At Regional Council's direction, staff reviewed available funding opportunities in 2018 to assist the residents of Ontoro Boulevard with the financing of the watermain installation. As previously disclosed, at this time there are no funding opportunities available to which this project would be applicable. Regional staff are not aware of any approved funding from the Town of Ajax in order to share in the cost of the extension of a watermain for the residents in this area.
- 3.11 The residential lots in the Ontoro Boulevard/Range Road area are in a unique setting, however, there are hundreds of properties within the Region with private water and sanitary disposal services which have or have the potential to experience water quality and quantity issues. Any actions the Region may take to provide relief will likely set a precedent for other situations across the Region.

#### **4. Regional Well Interference Policy**

- 4.1 The Region's Well Interference Policy (Policy) was established to provide relief to residential property owners in situation where their private well has been negatively impacted by the construction of Regional services. The construction of Regional services does not include local servicing impacts such as but not limited to grading, stormwater management ponds, storm sewers and foundation drain collectors.

- 4.2 The Policy uses development charge revenues to provide a temporary supply of water during construction of Regional Services to the affected homeowner and the construction of watermains and water services to the property line. Any work on private property remains at the homeowner's expense.
- 4.3 In cases where services cannot be extended due to Provincial Legislation, well interference is resolved with the drilling and commissioning of new wells.
- 4.4 The Region has previously reviewed this area to determine if the provisions of the Well Interference Policy should be applied. The residential subdivision to the west of Ontoro Boulevard and Range Road is located within the Carruthers Creek Watershed. Private wells along Ontoro Boulevard and Range Road are located within the Warbler Creek Watershed. The servicing of the subdivision to the west could not have impacted the private wells along Ontoro Boulevard and Range Road, as shallow groundwater flow does not cross watershed boundaries. There is no new development immediately north of Ontoro Boulevard and Range Road.
- 4.5 In a letter from the Ministry of Environment and Climate Change (MOECC) (now Ministry of Conservation and Parks (MECP)) dated January 18, 2018, the MECP noted that "factors that make wells susceptible to microbiological contamination include well construction, maintenance, or siting near sources of contamination" and "all of the parameters found in excess of the Ontario Drinking Water Standards are naturally occurring...". Regarding the sources of the parameters exceeding aesthetic or operational objectives, the MECP stated that "the sources of these substances in the water are natural mineral deposits in the shale bedrock".

- 4.6 Given that Provincial legislation prohibits the extension of services to this community and that the analysis of water undertaken by the MECP indicates that the aesthetic and microbiological contamination are naturally occurring, the Region's Well Interference Policy would not provide a resolution to the concerns.

## **5. Conclusion**

- 5.1 Applying grandfathered frontage and connection rates to the extension of water services to this community is not applicable given that the petition requests initiated in 2005 and 2011 were not completed and certified in accordance with the requirements of Ontario Regulation 586/06. The financial implications and lost cost recovery would be significant and would require user rate financing to bridge the gap.
- 5.2 There are hundreds of properties within the Regional Municipality of Durham with private water and sanitary disposal services which have or have the potential to experience water quality and quantity issues. Any actions the Regional Municipality of Durham may take to provide relief will likely set a precedent for other situations across the Regional Municipality of Durham. Regional staff recommend that the full cost be borne by the property owners who will receive the benefit of the service.
- 5.3 This report has been reviewed by the Finance Department.
- 5.4 For additional information, please contact John Presta, Director, Environmental Services, at 905-668-7711, extension 3520.

**6. Attachments**

Attachment #1: 2018-INFO-80: Petition - Range Road/Ontoro Boulevard Area  
Construction of Watermain

Respectfully submitted,

**Original signed by:**

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Susan Siopis, P.Eng.  
Commissioner of Works

Recommended for Presentation to Committee

**Original signed by S. Siopis for:**

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Elaine C. Baxter-Trahair  
Chief Administrative Officer

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2166



## The Regional Municipality of Durham Information Report

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From: Director of Corporate Services – Legal Services  
Report: #2018-INFO-80  
Date: May 18, 2018

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**Subject:**

Petition - Range Road/Ontoro Boulevard Area Construction of Watermain

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**Recommendation:**

Receive for information

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**Report:**

**1. Purpose**

- 1.1 The purpose of this report is to provide a response to the question from Council as to whether the petition signed by 23 residents of the Range Road/Ontoro Boulevard area in 2005 with regards to the construction of a watermain to service their properties is still valid.

**2. Background**

- 2.1 Report 2018-INFO-29 included a petition that appears to be from 2011 and signed by 27 owners, in contrast to the 2005 petition signed by 23 owners, which was not available to be reviewed.
- 2.2 A valid petition with respect to a local improvement by-law must be in the form prescribed by Ontario Regulation 586/06 made under the *Municipal Act, 2001*. For example, the 2011 petition appears to have been sent to the Regional Chair and not filed with the Regional Clerk as required by the Regulation, and it does not appear to sufficiently describe the work proposed to be carried out. Based on the response from the Commissioner of Works to the 2005 petition, it appears that owner support for the works was insufficient to comply with the Regulation.

- 2.3 Moreover, The Regional Clerk may not be in a position to certify the results of either the 2005 or the 2011 petitions given the passage of time and dating of the information contained in the petitions. Accordingly, given the passage of time (13 years, 7 years, respectively) it would be advisable to do a fresh petition, containing up-to-date information, in connection with these proposed works to account for changes in ownership, opinion, and financial circumstances, among other matters.
- 2.4 Regardless of any issues with the form of the 2005 petition, the 2011 petition, or any forthcoming current, valid petition there remains the issue with conformity to the Greenbelt Plan. In the Commissioner of Works response to the 2005 petition, issues with respect to conformity with both the Greenbelt Plan and the Regional Official Plan were identified.

### **3. Conclusion**

- 3.1 The 2005 petition does not appear to be a valid petition for the purposes of Ontario Regulation 586/06.

### **4. Attachments**

Attachment #1: Correspondence from the Commissioner of Works, dated July 20, 2006

Respectfully submitted,

Original signed by

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Jason Hunt  
Director of Legal Services



July 20, 2006

JUL 24 2006

HEALTH DEPARTMENT

See attached mailing list

Dear Sir or Madam,

Re: Update on the Status of the Petition for Extension of Municipal Water to Range Road, Lakeridge Road, Ontoro Boulevard and Dawncrest Road, Town of Ajax

The Regional  
Municipality  
of Durham

Works Department

605 ROSSLAND RD. E.  
P.O. BOX 623  
WHITBY ON L1N 6A3  
CANADA  
905-668-7711  
Fax: 905-668-2051

E-mail:  
works@region.durham.on.ca

www.region.durham.on.ca

C. R. Curtis, P. Eng., MBA  
Commissioner of Works

First, please let me apologize for not getting back to everyone sooner with an update on the status of a petition for extension of municipal water service to Range Road, Lakeridge Road, Ontoro Boulevard and Dawncrest Road.

The Region of Durham Works Department received the petition in July 2005 from residents of twenty-three (23) homes. Staff subsequently generated a preliminary design and budget cost estimate for the works. The estimated cost of construction, including the provision of hydrants to provide fire protection is \$815,000.

I did not discuss the petition with the Ajax politicians as there were outstanding planning issues that needed to be resolved.

The properties are all located outside of the existing urban area of the Town of Ajax and there are provincial and regional planning policies which must be considered prior to the approval of extension of water services.

The Provincial Greenbelt Plan has designated the area "protected countryside" and the homes are not identified as a "settlement area" within the Greenbelt Plan. The Greenbelt Plan also indicates that the extension of services outside of a settlement area shall only be permitted in the case of a health issue. The province does not envision any amendment to the Greenbelt Plan before the Plan's ten (10) year review by the province.

.2





-2-

The proposed service would also not conform to the Regional Official Plan (ROP). The lands are designated "Major Open Space" in Durham's Official Plan and are located outside the Ajax Urban Area. The ROP generally provides that rural areas will be privately serviced and that the extension of services will only be permitted where mitigating solutions to health issues cannot be found. In the absence of a health issue, the proposed municipal water service connection does not meet the intent of the ROP.

The Region of Durham Health Department reviewed some results of previous water quality analysis of the wells of some of the properties in the area. These results did not indicate the water supply was a health risk. The historic tests indicated that the water had some quality parameters that are outside of the health-related objectives for potable water, but these could be rectified using on-site treatments systems. There was no evidence of any significant bacteriological contamination.

Staff of the Works and the Health Departments recently met with Mr. Healy (as spokesperson for the petitioning group) to discuss the status of the petition and provided Mr. Healy with a number of bacteriological water sampling kits to distribute in the community. The results of these water samples will identify bacterial contamination (Total Coliform and/or E. coli) in the private wells/water supplies in the area. We encourage each of you to have your well water tested and the Public Health Lab will advise both the person submitting the sample and the local health department of the results. No results will be released which identify any specific property or owner.

**In the absence of an identified health issue municipal water can not be extended to the area in the near term.**

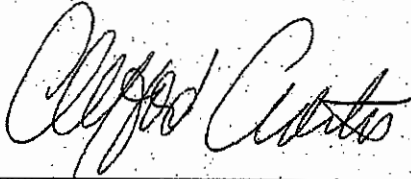
Therefore I suggest that we await the results of the well testing to determine whether or not a bacteriological health issue may exist. If such a possibility is indicated, the Region will do some additional investigation to verify the health risk. The Health Department also provides advice and suggestions/options to owners of private drinking water supplies on adverse sample results (e.g. presence of Total Coliform and/or E. coli). This could include disinfection of the well and information on well integrity information. If the Health Department determines that a risk is present that is best corrected by extension of municipal water we will put forward the necessary funding for consideration in budget deliberations.

..3

-3-

We will update you as more information becomes available. In the meantime, please don't hesitate to give me a call or send me an email.

Yours truly,



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Clifford Curtis, P. Eng., MBA  
Commissioner of Works

/cb

cc: Roger Anderson, Regional Chair  
Mayor Steve Parrish, Mayor, Town of Ajax  
Councillor Colleen Jordan, Town of Ajax  
Councillor Pat Brown, Town of Ajax  
Alex Georgieff, Commissioner of Planning  
Dr. Robert Kyle, Commissioner of Medical Officer of Health  
Ken Gorman, Director Environmental Health



# The Regional Municipality of Durham Report

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To: Works Committee  
From: Commissioner of Works  
Report: #2019-W-5  
Date: January 9, 2019

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**Subject:**

Report on Tenders and Additional Financing for Regional Municipality of Durham Contract D2018-005 for Townline Road (Regional Road 55) and Pebblestone Road Intersection Modifications in the City of Oshawa and Municipality of Clarington

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**Recommendations:**

The Works Committee recommends to Regional Council:

- A) That the low compliant bid of Hard-Co Construction Ltd., in the amount of \$1,166,186\*, be awarded for Regional Municipality of Durham Contract D2018-005 resulting in a total estimated project cost of \$2,124,000;
- B) That the previously approved project budget of \$1,662,000 be increased by \$462,000 to a revised total project budget of \$2,124,000;
- C) That the funding for the additional project commitments in the amount of \$462,000 be provided from the following source:

Reallocation from Contingencies within Project R1402 Taunton Road and Enfield Road Intersection Modifications:

Residential Development Charges	\$282,744
Commercial Development Charges	\$ 41,580
Roads Capital Reserve	<u>\$137,676</u>
<b>Total Reallocated Financing</b>	<b><u>\$462,000</u></b>

- D) That the Regional Chair and Clerk be authorized to execute Regional Municipality of Durham Contract D2018-005.
-

**Report:****1. Purpose**

- 1.1 The purpose of this report is to obtain approval for additional financing and to award Regional Municipality of Durham (Region) Contract D2018-005 for the Townline Road (Regional Road 55) and Pebblestone Road Intersection Modifications in the City of Oshawa (Oshawa) and Municipality of Clarington (Clarington). Dollar amounts followed by an asterisk (\*) are before applicable taxes.

**2. Project Background**

- 2.1 The Region completed detail design for intersection modifications at Townline Road (Regional Road 55) and Pebblestone Road in Oshawa and Clarington. The proposed work will include a new southbound left turn lane onto Pebblestone Road, a new northbound right turn taper onto Pebblestone Road and new street lighting. The proposed modifications are necessary to improve the traffic operations of the intersection. It is anticipated that construction will start in the spring of 2019.

**3. Tender Information**

- 3.1 Tenders were received for Regional Contract D2018-005 for Townline Road (Regional Road 55) and Pebblestone Road Intersection Modifications in Oshawa and Clarington on November 13, 2018, as follows:

<b><u>Bidder</u></b>	<b><u>Total Tender Amount*</u></b>
Hard-Co Construction Ltd.	\$1,166,186
Coco Paving Inc.	\$1,189,145
KAPP Infrastructure Inc.	\$1,235,533
Elirpa Construction & Materials Ltd.	\$1,384,550
Brennan Paving & Construction Ltd.	\$1,395,190
CSL Group Ltd.	\$1,664,739
Esposito Bros. Construction Ltd.	\$1,741,090

- 3.2 The difference between the tendered and budget amount is a result of inflationary construction cost increases in the industry, increases in the tender quantities during the detailed design stage and additional traffic control measures recently added to the project to maintain both lanes on Townline Road during construction for enhanced safety.
- 3.3 It is recommended that the low compliant bidder, Hard-Co Construction Ltd., be awarded Regional Contract D2018-005.

#### 4. Financial Implications

- 4.1 Section 9.4 of the Region's Budget Management Policy requires approval of the applicable Standing Committee and Regional Council for approval of additional financing prior to the award of the contract.
- 4.2 The proposed changes to the project costs are as follows:

Project Component	Approved Project Budget R1622	Proposed Change	Recommended Revised Project Budget R1622
Tender (excluding taxes)	\$885,508	\$280,678	\$1,166,186
Net HST	14,881	5,644	20,525
Engineering	150,000	210,499	360,499
Property Acquisition and Utility Relocation	400,000	(107,549)	292,451
Pre-tender Tree Removal and Dig-Ups		91,500	91,500
Sundry and Miscellaneous	28,087	(18,772)	9,315
Contingencies	183,524	0	183,524
<b>Total Costs</b>	<b><u>\$1,662,000</u></b>	<b><u>\$462,000</u></b>	<b><u>\$2,124,000</u></b>

- 4.3 Funding in the amount of \$1,662,000 was approved in the 2018 Roads Capital Program (R1622) and includes \$12,000 cost share for illumination from Clarington. The recommended revised project budget of \$2,124,000, including the reallocation of \$462,000 from Contingencies within Project R1402 Taunton Road and Enfield Road Intersection Modifications, can be financed as follows:

<b>Year</b>	<b>Total Financing \$</b>	<b>Residential Development Charges \$</b>	<b>Commercial Development Charges \$</b>	<b>Roads Capital Reserve \$</b>	<b>Municipality of Clarington \$</b>
2016	100,000	61,200	9,000	29,800	0
2017	300,000	183,600	27,000	89,400	0
2018	1,262,000	765,000	112,500	372,500	12,000
Sub-Total	1,662,000	1,009,800	148,500	491,700	12,000
Proposed Reallocation (R1402)	462,000	282,744	41,580	137,676	0
<b>Total Funding</b>	<b>2,124,000</b>	<b>1,292,544</b>	<b>190,080</b>	<b>629,376</b>	<b>12,000</b>

## 5. Conclusion

- 5.1 It is recommended that the low compliant bidder, Hard-Co Construction Ltd., be awarded Regional Contract D2018-005 for Townline Road (Regional Road 55) and Pebblestone Road Intersection Modifications in the City of Oshawa and Municipality of Clarington.

- 5.2 It is also recommended that the additional financing, in the amount of \$462,000, be provided by the reallocation of funds as detailed in this report.
- 5.3 This report has been reviewed by the Finance Department and the Commissioner of Finance concurs with the financial recommendations.
- 5.4 For additional information, please contact Dan Waechter, Manager, Construction Management, at 905-666-7711, extension 3550.

Respectfully submitted,

**Original signed by:**

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Susan Siopis, P.Eng.  
Commissioner of Works

Recommended for Presentation to Committee

**Original signed by:**

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Elaine C. Baxter-Trahair  
Chief Administrative Officer



# The Regional Municipality of Durham Report

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To: Works Committee  
From: Commissioner of Works  
Report: [#2019-W-6](#)  
Date: January 9, 2019

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**Subject:**

Approval to Award Sole Source Engineering Services for Phase II of the Supervisory Control and Data Acquisition System and Process Optimization Data Integration Services for the York-Durham Duffin Creek Water Pollution Control Plant, in the City of Pickering

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**Recommendations:**

That the Works Committee recommends to Regional Council:

- A) That the Works Department be provided approval to award a sole source engineering agreement to Eramosa Engineering Inc. to provide Phase II of the Supervisory Control and Data Acquisition System and Process Optimization Data Integration Services for the York-Durham Duffin Creek Water Pollution Control Plant at an upset limit not to exceed \$125,000\* to be contingent on approval of funding within the 2019 Duffin Creek Water Pollution Control Plant Budget; and
  - B) That the Commissioner of Finance be authorized to execute the necessary engineering services agreement.
- 

**Report:**

**1. Purpose**

- 1.1 The purpose of this report is to obtain approval to sole source engineering services provided by Eramosa Engineering Ltd. (Eramosa) for Phase II of the Supervisory Control and Data Acquisition System (SCADA) and Process Optimization Data Integration Services for the Duffin Creek Water Pollution Control Plant (WPCP). Dollar amounts followed by an asterisk (\*) are before applicable taxes.



## **2. Background**

- 2.1 Committee of the Whole Report #2017-COW-50 provided approval for Phase I of the data integration work flow process. The initial phase was completed in 2018. The initial phase provided the ability to collect data from existing, independent data warehouses such as power monitoring, the Regional Environmental Laboratory Information System (LIMS), Watertrax, utility providers such as Veridian Connections (electricity), Enbridge (natural gas), and Environment Canada, etc. This work also included the development of high level performance reports that allow plant operations to summarize information for analysis to ensure compliance and operational efficiency.
- 2.2 Operational logbooks, which are a compliance reporting requirement under the plant's existing Environmental Compliance Approval, were converted from a paper format to an electronic format as part of the initial phase. The new electronic logbook was demonstrated to Ministry of the Environment, Conservation and Parks (MECP) staff, who endorsed its use.
- 2.3 Building upon the success of the initial work, Phase II will see the conversion of existing paper-based process area logsheets to electronic format, development of process area reporting dashboards, work flow management and approval, and preliminary work on alarm management functionality

## **3. Sole Source Justification**

- 3.1 Based on their extensive involvement and experience to date with the SCADA network at the Duffin Creek WPCP, along with their extensive experience at over 50 municipalities across North America, it is recommended that Eramosa be retained to provide continued services for Phase II at Duffin Creek. The success of the project team will allow for future works to build upon the foundations created in Phase I and ensure continuity in work flow development.
- 3.2 The use of Eramosa will ensure the work is expedited in an efficient manner and mitigate any operational risks related to data management.

#### 4. Financial Implications

- 4.1 Section 9.4.2. of the Region's Purchasing By-Law 68-2000 (Amended) requires that where the project or annual value of a consulting or professional service assignment is expected to be more than \$60,000, the approval of the appropriate Standing Committee and Regional Council is required to obtain approval to acquire the services through a sole source negotiation.
- 4.2 The cost of engineering services for the York-Durham Duffin Creek WPCP to provide SCADA and Process Optimization Data Integration Services is to be shared between the Regional Municipalities of York and Durham.
- 4.3 Funds for the recommended engineering assignment in the amount of \$125,000\* have been included in the proposed 2019 Duffin Creek WPCP Budget, Tangible Capital Assets which is cost shared with York as follows:

Durham Region's (22.58%) Share	\$ 28,225*
York Region's (77.42%) Share	<u>\$ 96,775*</u>
<b>Total Upset Limit</b>	<b><u>\$125,000*</u></b>

#### 5. Conclusion

- 5.1 It is recommended that Regional Council approve the sole source award to Eramosa Engineering Inc. in order to provide Phase II Supervisory Control and Data Acquisition System and Process Optimization Data Integration Services at an upset limit not to exceed \$125,000\* subject to Regional Council approval of funding in the 2019 Sanitary Sewerage System Business Plans and Budgets.
- 5.2 This report has been reviewed by the Finance Department.

5.3 For additional information, please contact John Presta, Director, Environmental Services, at 905-666-7711, extension 3520.

Respectfully submitted,

**Original signed by:**

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Susan Siopis, P.Eng.  
Commissioner of Works

Recommended for Presentation to Committee

**Original signed by:**

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Elaine C. Baxter-Trahair  
Chief Administrative Officer



# The Regional Municipality of Durham Report

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To: Works Committee  
From: Commissioner of Works  
Report: [#2019-W-7](#)  
Date: January 9, 2019

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**Subject:**

Works Department - 2019 Water Supply and Sanitary Sewerage Business Plans and Budgets

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**Recommendation:**

That the Works Committee recommends to Regional Council:

- A) That the Works Department's portion of the proposed 2019 Budget for the Water Supply System be approved, representing a net program cost of \$92.423 million inclusive of the proposed 2019 Water Supply Capital Program (gross proposed program totalling \$110.0 million);
  - B) That the Works Department's portion of the proposed 2019 Budget for the Sanitary Sewerage System be approved, representing a net program cost of \$75.963 million inclusive of the proposed 2019 Sanitary Sewerage Capital Program (gross proposed program totalling \$106.4 million); and
  - C) That the Works Department Water Supply and Sanitary Sewerage Business Plans and Budgets be referred to the Finance & Administration Committee for consideration during deliberations of the 2019 Consolidated Water Supply and Sanitary Sewerage Systems Business Plans and Budgets.
- 

**Report:**

**1. Purpose**

- 1.1 The purpose of this report is to obtain Works Committee concurrence of the 2019 Business Plans and Budgets for the Works Department Water Supply and Sanitary Sewerage Systems. The Works Department Water Supply and Sanitary Sewerage Business Plans and Budgets will be referred to the Finance and

Administration Committee for consideration during deliberations of the 2019 Consolidated Water Supply and Sanitary Sewerage Systems Business Plans and Budgets.

## 2. Summary

2.1 The following tables, A and B, provide a summary of the proposed net cost of the various expenditure programs included in the Works Department's portion of the Water Supply and Sanitary Sewerage Systems Budgets for 2019.

2.2 Attachments No. 1 and No. 2 provide the 2019 Program Summaries for the Works Department Water Supply System and Sanitary Sewerage System respectively, including a comparison with 2018 budget amounts and estimated 2018 expenditures.

**Table A**  
**Net Expenditure Programs 2019 Water Supply System**

	<b>2018 <u>Approved</u> (000's)</b>	<b>2019 <u>Proposed</u> (000's)</b>	<b>% <u>Change</u></b>
<b><u>Water Supply Budget</u></b>			
Net Operating Programs	\$48,881	\$50,025	2.34%
Net Capital Programs	<u>43,399</u>	<u>42,398</u>	(2.31%)
<b>Total</b>	<b><u>\$92,280</u></b>	<b><u>\$92,423</u></b>	
<b>Net Increase</b>		<b>\$143</b>	<b>0.15%</b>

**Table B**  
**Net Expenditure Programs 2019 Sanitary Sewerage System**

	<b>2018 <u>Approved</u> (000's)</b>	<b>2019 <u>Proposed</u> (000's)</b>	<b>% <u>Change</u></b>
<b><u>Sanitary Sewerage Budget</u></b>			
Net Operating Programs	\$50,616	\$51,595	1.93%
Net Capital Programs	<u>22,965</u>	<u>24,368</u>	6.11%
<b>Total</b>	<b><u>\$73,581</u></b>	<b><u>\$75,963</u></b>	
<b>Net Increase</b>		<b>\$2,382</b>	<b>3.24%</b>

- 2.3 The proposed 2019 Business Plans and Budgets for the Works Department Water Supply and Sanitary Sewerage Systems as presented meet the available revenue from the approved User Rates, Asset Management Reserve and Development Charge Reserve Funds for both the Water Supply and Sanitary Sewerage Systems. The programs, as proposed, are balanced to address needs related to the operation, maintenance and repair of the existing infrastructure and the design and construction of new capital works to meet growth related requirements.
- 2.4 Attachment No. 3 provides a detailed listing of all projects contained in the proposed 2019 Capital Budget for Construction of Municipal Water Supply and Sanitary Sewerage Services.

### 3. Capital Programs

- 3.1 The proposed 2019 Capital Budget for Construction of Municipal Water Supply and Sanitary Sewerage Services includes the following expenditures:

**Table C**

<b>Project Description</b>	<b>Proposed 2019 Water Supply (\$ Millions)</b>	<b>Proposed 2019 Sanitary Sewerage (\$ Millions)</b>
Linear Infrastructure – Road Related Projects	12.3	5.2
Betterment/Repair/Replacement of Existing Facilities	8.7	12.8
Linear and Vertical Betterments/Repairs/Replacements:		
Funded through the Asset Management Reserves	5.0	8.2
Funded by York Region		0.5
System Expansion	57.8	42.7
Buildings	17.0	24.7
Machinery and Equipment	6.3	9.4
IT Infrastructure	0	0
Allowances and Other Provisions	2.9	2.9
<b>Proposed Capital Program Expenditures</b>	<b>110.0</b>	<b>106.4</b>

- 3.2 The proposed 2019 Works Water Supply and Sanitary Sewerage Capital Programs can be financed as follows:

**Table D**  
**Proposed 2019 Financing**  
**(\$ millions)**

	<b>Water Supply</b>	<b>Sanitary Sewerage</b>
<b>Development Charges</b>		
Upfront <sup>(1)</sup>	\$ 59.2	\$ 14.1
Debenture	-	25.9
<b>sub-total</b>	<b>59.2</b>	<b>40.0</b>
<b>User Rate</b>		
Upfront	39.0	21.6
Asset Management Reserve Fund	5.0	8.2
Treatment Plant/Rate Stabilization Reserve Fund <sup>(2)</sup>	2.0	-
<b>sub-total</b>	<b>46.0</b>	<b>29.8</b>
<b>Other Financing</b>		
York Region (Share of York Durham Sewage System)	0.3	23.5
Developer Contribution (Seaton Landowners)	4.5	13.1
<b>sub-total</b>	<b>4.8</b>	<b>36.6</b>
<b>Total Financing</b>	<b>\$ 110.0</b>	<b>\$ 106.4</b>

Note:

1. Includes residential and non-residential development charges.
2. To upfront a portion of the expansion / replacement of the Newcastle Water Supply Plant.

#### 4. Conclusion

- 4.1 It is recommended that the Works Committee approve the 2019 Business Plans and Budgets for the Works Department's portion of the proposed 2019 Budget for the Water Supply System indicating a net expenditure of \$92.423 million, and the Works Department's portion of the 2019 Budget for the Sanitary Sewerage System, indicating a net expenditure of \$75.963 million.
- 4.2 It is further recommended that this report be forwarded to the Finance and Administration Committee for consideration during the budget deliberations for the 2019 Consolidated Water Supply and Sanitary Sewerage Systems Business Plans and Budgets.

4.3 This report has been reviewed by the Finance Department and the Commissioner of Finance concurs with the recommendation.

**5. Attachments**

5.1 Detailed 2019 Business Plans and Budgets for Works Water Supply and Sanitary Sewerage are available on-line through the link provided on the January 9, 2019 Works Committee Agenda or in hard copy by contacting Jenni Demanuele, Director, Business Services, Works Department at (905) 668-7711 ext. 3456.

Attachment #1: 2019 Water Supply Program Summary for Business Plan and Budget

Attachment #2: 2019 Sanitary Sewerage Program Summary for Business Plan and Budget

Attachment #3: Detailed listing of all Projects contained in the Proposed 2019 Capital Budget for Construction of Municipal Water Supply and Sanitary Sewerage Services

Respectfully submitted,

**Original signed by:**

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Susan Siopis, P.Eng.  
Commissioner of Works

Recommended for Presentation to Committee

**Original signed by:**

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Elaine Baxter-Trahair  
Chief Administrative Officer



## PROGRAM SUMMARY



## 2019 Business Plan

## Works - Water Supply System

By Program (\$,000's)	2018		2019		
	Estimated Actuals	Approved Budget	Base Budget	Program Change	Proposed Budget
<b>Expense Programs</b>	\$	\$	\$	\$	\$
<b>OPERATIONS:</b>					
1 Watermain Cleaning and Repairs	3,845	3,649	3,666	(94)	3,572
2 Valves and Hydrants	2,589	2,837	2,863	(103)	2,760
3 Water Connections	4,126	3,783	3,813	155	3,968
4 Water Meters	567	599	604	(65)	539
5 Depot Operations	5,447	5,550	5,754	(80)	5,674
<b>Subtotal</b>	<b>16,574</b>	<b>16,418</b>	<b>16,700</b>	<b>(187)</b>	<b>16,513</b>
<b>PLANTS:</b>					
6 Plants East	2,657	2,691	2,722	115	2,837
7 Plants Central	12,816	12,937	12,796	289	13,085
8 Plants North	2,720	2,792	2,816	110	2,926
9 Sunvalley	-	-	-	-	-
10 SCADA Systems	-	-	-	-	-
<b>Subtotal</b>	<b>18,193</b>	<b>18,420</b>	<b>18,334</b>	<b>514</b>	<b>18,848</b>
<b>COMMON SERVICES:</b>					
11 Engineering and Staff Support	5,707	6,186	6,342	360	6,702
12 Facilities Management	6,262	6,503	6,361	213	6,574
13 Administration	302	304	316	(1)	315
Headquarters Shared Cost	1,050	1,050	1,073	-	1,073
<b>Subtotal</b>	<b>13,321</b>	<b>14,043</b>	<b>14,092</b>	<b>572</b>	<b>14,664</b>
<b>Total Operating Program Expenses</b>	<b>48,088</b>	<b>48,881</b>	<b>49,126</b>	<b>899</b>	<b>50,025</b>

## PROGRAM SUMMARY



## 2019 Business Plan

## Works - Water Supply System

By Program (\$,000's)	2018		2019		
	Estimated Actuals	Approved Budget	Base Budget	Program Change	Proposed Budget
<b>14 Tangible Capital Assets:</b>					
1W Facilities Management - New	246	246	-	82	82
2W - Replacement	1,211	1,211	261	1,355	1,616
3W Fleet/Equipment - New	134	134	-	687	687
4W - Replacement	761	761	966	-	966
5W Construction of Municipal Services	41,047	41,047	41,047	(2,000)	39,047
<b>Net Tangible Capital Assets</b>	<b>43,399</b>	<b>43,399</b>	<b>42,274</b>	<b>124</b>	<b>42,398</b>
<b>Net Program Expenses</b>	<b>91,487</b>	<b>92,280</b>	<b>91,400</b>	<b>1,023</b>	<b>92,423</b>
<b>Summary of Increase (Decrease)</b>			<b>(\$880)</b>	<b>-0.95%</b>	<b>\$143</b> <b>0.15%</b>

## Summary of Base Budget Changes

	\$	Comments
Salaries & Benefits	466	Economic increases
Salaries & Benefits	103	Annualization (1.765 positions)
Salaries & Benefits	45	2019 Position upgrade (1.000 position)
Operating Expenses	(73)	Remove one-time items
Operating Expenses	(152)	Utility savings
Operating Expenses	209	Inflationary adjustments
Fees & Services	(4)	Inflationary adjustments
Minor Assets & Equipment	(7)	Remove one-time items (various)
Major Repairs & Renovations	(342)	Remove one-time items (various)
Tangible Capital Assets	(1,125)	Remove one-time items (various)
	<b>(880)</b>	

## PROGRAM SUMMARY



## 2019 Business Plan

## Works - Sanitary Sewerage System

By Program (\$,000's)	2018		2019		
	Estimated Actuals	Approved Budget	Base Budget	Program Change	Proposed Budget
<b>Expense Programs</b>	\$	\$	\$	\$	\$
<b>OPERATIONS:</b>					
1 Cleaning, Repairs and Maintenance Holes	2,059	2,025	2,036	76	2,112
2 Sewer Connections	2,472	2,399	2,411	(48)	2,363
3 Depot Operations	2,870	3,016	3,122	55	3,177
<b>Subtotal</b>	<b>7,401</b>	<b>7,440</b>	<b>7,569</b>	<b>83</b>	<b>7,652</b>
<b>PLANTS:</b>					
4 WPCPs and Pumping Stations	22,962	22,584	22,563	476	23,039
5 Duffin Creek WPCP					
(a) Management Committee	2,830	3,094	2,904	-	2,904
(b) Duffin Creek Plant	23,119	25,731	25,991	250	26,241
(c) Duffin Creek Tech Support	273	269	280	(61)	219
(d) Duffin Creek Administration	2,682	2,682	2,762	-	2,762
(e) Duffin Creek Facility	2,013	1,819	1,592	3	1,595
(f) York Contributions	(24,826)	(26,964)	(26,938)	(171)	(27,109)
(g) Phosphorous Reduction Field Study (Durham Portion)	39	39	-	-	-
Total Duffin Creek WPCP	6,130	6,670	6,591	21	6,612
<b>Subtotal</b>	<b>29,092</b>	<b>29,254</b>	<b>29,154</b>	<b>497</b>	<b>29,651</b>
<b>COMMON SERVICES:</b>					
6 Regional Environmental Laboratory	(155)	-	-	-	-
7 Engineering and Staff Support	5,271	5,760	5,937	(106)	5,831
8 Facilities Management	6,676	6,805	6,843	227	7,070
9 Administration	304	307	319	(1)	318
Headquarters Shared Cost	1,050	1,050	1,073	-	1,073
<b>Subtotal</b>	<b>13,146</b>	<b>13,922</b>	<b>14,172</b>	<b>120</b>	<b>14,292</b>
<b>Total Operating Program Expenses</b>	<b>49,639</b>	<b>50,616</b>	<b>50,895</b>	<b>700</b>	<b>51,595</b>

## PROGRAM SUMMARY



## 2019 Business Plan

## Works - Sanitary Sewerage System

By Program (\$,000's)	2018		2019		
	Estimated Actuals	Approved Budget	Base Budget	Program Change	Proposed Budget
<b>10 Tangible Capital Assets:</b>					
1S Duffin Creek WPCP - New	566	566	-	585	585
2S - Replacement	1,313	1,313	895	-	895
3S Environmental Lab - New	-	-	-	12	12
4S - Replacement	480	480	160	-	160
5S Facilities Management - New	523	523	-	110	110
6S - Replacement	1,391	1,391	-	1,058	1,058
7S Fleet/Equipment - New	191	191	-	570	570
8S - Replacement	470	470	371	290	661
9S Construction of Municipal Services	19,959	19,959	19,959	1,625	21,584
<b>Tangible Capital Assets Subtotal</b>	<b>24,893</b>	<b>24,893</b>	<b>21,385</b>	<b>4,250</b>	<b>25,635</b>
<b>Tangible Capital Assets Revenue &amp; Recoveries:</b>					
10S Duffin Creek WPCP TCA Revenue from York	(1,458)	(1,458)	(678)	(435)	(1,113)
11S Environmental Lab - TCA Revenue from York	(10)	(10)	(13)	(6)	(19)
12S Environmental Lab - Recovery Reserve/Reserve Fund	(460)	(460)	(135)	-	(135)
<b>Tangible Capital Assets Revenue &amp; Recoveries Subtotal</b>	<b>(1,928)</b>	<b>(1,928)</b>	<b>(826)</b>	<b>(441)</b>	<b>(1,267)</b>
<b>Net Tangible Capital Assets</b>	<b>22,965</b>	<b>22,965</b>	<b>20,559</b>	<b>3,809</b>	<b>24,368</b>
<b>Net Program Expenses</b>	<b>72,604</b>	<b>73,581</b>	<b>71,454</b>	<b>4,509</b>	<b>75,963</b>
<b>Summary of Increase (Decrease)</b>			<b>(\$2,127)</b>	<b>-2.89%</b>	<b>\$2,382</b> <b>3.24%</b>

## PROGRAM SUMMARY



## 2019 Business Plan

## Works - Sanitary Sewerage System

## Summary of Base Budget Changes

	\$	Comments
Salaries & Benefits	385	Economic increases
Salaries & Benefits	80	Annualization (1.313 positions)
Salaries & Benefits	18	2019 Position upgrades (2.000 positions)
Operating Expenses	(31)	Remove one-time items
Operating Expenses	182	Inflation - Utilities
Operating Expenses	244	Inflationary adjustments
Fees & Service Charges	(6)	Inflationary adjustments
Minor Assets & Equipment	(38)	Remove one-time items (various)
Major Repairs & Renovations	(555)	Remove one-time items (various)
Tangible Capital Assets	(2,406)	Remove one-time items (various)
	<u>(2,127)</u>	

**ATTACHMENT # 3**



**REGION OF DURHAM  
WORKS DEPARTMENT**

**SANITARY SEWERAGE  
AND  
WATER SUPPLY**

**2019 CAPITAL BUDGET**

**FOR DETAILED DESIGN & CONSTRUCTION OF MUNICIPAL SERVICES**

**SUMMARY OF 2019 CONSTRUCTION OF MUNICIPAL SERVICES PROGRAM**

2-Jan-19

FOR

**SANITARY SEWERAGE AND WATER SUPPLY**

<b>A.</b>	<b><u>ROAD RELATED PROJECTS AND CORRECTION OF SYSTEM DEFICIENCIES</u></b>	<b><u>SEWER</u></b>	<b><u>WATER</u></b>	<b><u>TOTAL</u></b>	<b><u>PAGE</u></b>
1	REGIONAL ROAD PROGRAM	780,000	2,150,000	2,930,000	3
2	WORKS TO RECTIFY IDENTIFIED DEFICIENCIES (In conjunction with area municipality road programs and independent of road programs in various locations)	4,406,100	9,517,693	13,923,793	4
3	M.T.O ROAD PROGRAM & GO TRANSIT PROJECTS	70,000	600,000	670,000	5
	<b>TOTAL - ROAD RELATED PROJECTS AND CORRECTION OF SYSTEM DEFICIENCIES</b>	<b>5,256,100</b>	<b>12,267,693</b>	<b>17,523,793</b>	
<b>B.</b>	<b><u>NON-ROAD RELATED PROJECTS</u></b>				
1	BETTERMENTS/ REPLACEMENTS	12,805,000	4,085,000	16,890,000	6
2	UNSERVICED AREAS	0	0	0	9
3	SYSTEM EXPANSIONS	42,735,000	57,750,000	100,485,000	10-14
4	OTHER LINEAR INFRASTRUCTURE	0	4,760,000	4,760,000	15
5	BUILDINGS	24,670,872	16,990,000	41,660,872	16-20
6	MACHINERY AND EQUIPMENT	9,350,000	6,260,000	15,610,000	21-24
	<b>TOTAL NON-ROAD RELATED PROJECTS</b>	<b>89,560,872</b>	<b>89,845,000</b>	<b>179,405,872</b>	
<b>C.</b>	<b><u>IT INFRASTRUCTURE</u></b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25</b>
<b>D.</b>	<b><u>ALLOWANCES AND OTHER PROVISIONS</u></b>	<b>2,925,000</b>	<b>2,875,000</b>	<b>5,800,000</b>	<b>26</b>
<b>E.</b>	<b><u>ASSET MANAGEMENT RESERVE FUND</u></b>	<b>8,695,400</b>	<b>4,985,000</b>	<b>13,680,400</b>	<b>27-32</b>
	<b><u>APPENDIX 'A'</u></b>				<b>33-35</b>
	<b>GROSS COST</b>	<b>106,437,372</b>	<b>109,972,693</b>	<b>216,410,065</b>	

A. ROAD RELATED PROJECTS

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>1. REGIONAL ROAD PROGRAM</b>						
1	R.R. 14 (Liberty St.) from Baseline Rd. to King St., Bowmanville Oshawa	D	350,000	200,000	1	1
			<u>Sewer</u>	<u>Water</u>		
	2019 Budget provision - D	\$	350,000	200,000		
	2022 Budget forecast - C	\$	<u>1,400,000</u>	<u>1,500,000</u>		
	Total project cost -	\$	<u>1,750,000</u>	<u>1,700,000</u>		
2	R.R. 22 (Victoria St.)/R.R. 46 (Brock St.) intersection from 50 m north of Victoria St. to 50 m south of Victoria St., Whitby	D,C	110,000		2	N.A.
			<u>Sewer</u>			
	2019 Budget provision - D,C	\$	<u>110,000</u>			
	Total project cost -	\$	<u>110,000</u>			
3	R.R. 46 (Brock St.) from Water St. to Front St., Whitby	D,C		450,000	N.A.	5
				<u>Water</u>		
	2019 Budget provision - D,C	\$		<u>450,000</u>		
	Total project cost -	\$		<u>450,000</u>		
4	R.R. 52 (Thornton Rd.) from Champlain Ave. to Consumers Dr., & Champlain Ave. from Consumers Dr. to Thornton Rd., Whitby	C		200,000	N.A.	6
				<u>Water</u>		
	Financing prior to 2019 - D,C	\$		370,000		
	2019 Budget provision - C	\$		<u>200,000</u>		
	Total project cost -	\$		<u>570,000</u>		
5	R.R. 56 (Farewell St.) Marwood Rd. to Wentworth St., Oshawa	D		200,000	N.A.	9
				<u>Water</u>		
	2019 Budget provision - D	\$		200,000		
	2020 Budget forecast - C	\$		<u>540,000</u>		
	Total project cost -	\$		<u>740,000</u>		
6	Highway 12 (Brock St.) from 300 m South of Manning Rd. to Rossland Rd., Whitby	D,C	320,000	1,100,000	9	15
			<u>Sewer</u>	<u>Water</u>		
	Financing prior to 2019 - D	\$	30,000	15,000		
	2019 Budget provision - D,C	\$	<u>320,000</u>	<u>1,100,000</u>		
	Total project cost -	\$	<u>350,000</u>	<u>1,115,000</u>		
<b>Total</b>			780,000	2,150,000		
<b>Regional Road Program</b>						

EA=Environmental Assessment, D=Design, C=Construction, L=Land Acquisition, S=Study



**A. ROAD RELATED PROJECTS****2. WORKS TO RECTIFY IDENTIFIED DEFICIENCIES**

<b>AREA MUNICIPALITY ROAD PROGRAMS</b>	<b>NO. OF ITEMS</b>		<b>SEWER</b>	<b>WATER</b>	<b>SEWER BUDGET ITEM NO.</b>	<b>WATER BUDGET ITEM NO.</b>
	<b>SEWER</b>	<b>WATER</b>				
PICKERING	0	1	0	600,000	11A	17A
AJAX	5	5	850,000	2,500,000	11B	17B
WHITBY	1	1	1,260,000	1,350,000	11C	17C
OSHAWA	0	4	0	500,000	11D	17D
CLARINGTON	4	2	1,200,000	1,500,000	11E	17E
SCUGOG	0	0	0	0	11F	17F
UXBRIDGE	1	1	200,000	240,000	11G	17G
BROCK	0	0	0	0	11H	17H
Allowance for unknown requirements in conjunction with area municipality road programs	1	1	200,000	200,000	11i	17i
Works to rectify identified deficiencies independent of road programs in various locations	5	5	696,100	627,693	14	21
Rehabilitation of watermains in various locations	0	1		2,000,000		22
<b>TOTAL WORKS TO RECTIFY IDENTIFIED DEFICIENCIES</b>	<b>17</b>	<b>21</b>	<b>4,406,100</b>	<b>9,517,693</b>		
<b>TOTAL</b>	<b>38 Items</b>					

**Refer to Appendix "A" for list of projects**

**A. ROAD RELATED PROJECTS**

		<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>3. M.T.O. ROAD PROGRAM &amp; GO TRANSIT PROJECTS</b>					
1	Watermain replacement in conjunction with the bridge work and ramp realignment at Brock St., Whitby C		400,000	N.A.	19
			<u>Water</u>		
	Financing prior to 2019 - D	\$	400,000		
	2019 Budget provision - C	\$	<u>2,350,000</u>		
	Total project cost -	\$	2,750,000		
2	Sanitary sewer and watermain replacement in conjunction with the bridge work at Simcoe St., Albert St. and Highway 401, Oshawa D	70,000	200,000	13	20
			<u>Sewer</u>		
	Financing prior to 2019 - D	\$	100,000		
	2019 Budget provision - D	\$	70,000		
	2020 Budget forecast - C	\$	<u>300,000</u>		
	Total project cost -	\$	370,000		
				<u>Water</u>	
<b>TOTAL</b>					
<b>M.T.O. AND GO TRANSIT PROGRAMS</b>		70,000	600,000		

**B. NON-ROAD RELATED PROJECTS**

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>1. BETTERMENTS/ REPLACEMENTS</b>						
<b>PICKERING / AJAX SYSTEM</b>						
1	Durham York Primary Trunk Sanitary Sewer - condition assessment and rehabilitation requirements (CCTV inspection minor repairs and rehabilitation works on Chamber 4 to 7) York Region Cost sharing	D,C	10,000,000		16	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D	\$	2,037,600			
	2019 Budget provision - D,C	\$	10,000,000			
	2020 Budget forecast - C	\$	<u>66,600,000</u>			
	Total project cost -	\$	<u>78,637,600</u>			
2	Replacement of watermain on Kingston Rd. (Highway No. 2) from 240 m east of Delta Blvd. to Merritton Dr. and Dixie Rd. to Liverpool Rd., Pickering	D,C		1,500,000	N.A.	23
				<b><u>Water</u></b>		
	Financing prior to 2019 - D	\$		130,000		
	2019 Budget provision - D,C	\$		<u>1,500,000</u>		
	Total project cost -	\$		<u>1,630,000</u>		
3	Southwood Park Area System improvements and investigation works Phase 1: sanitary sewer maintenance hole repairs and modification Phase 2: Sanitary sewer system investigation	D,C	1,200,000		22	N.A.
				<b><u>Sewer</u></b>		
	2019 Budget provision - D,C	\$	<u>1,200,000</u>			
	Total project cost -	\$	<u>1,200,000</u>			
3	Hunt St./Kings Cres. And Harwood Ave. sanitary sewer diversion, Ajax	D,C	265,000		23	N.A.
				<b><u>Sewer</u></b>		
	2019 Budget provision - D,C	\$	<u>265,000</u>			
	Total project cost -	\$	<u>265,000</u>			
4	Replacement of watermain on Pickering Beach Rd. from Foord Rd. to Hewitt Cres., Ajax	D		120,000	N.A.	28
				<b><u>Water</u></b>		
	2019 Budget provision - D	\$		120,000		
	2020 Budget forecast - C	\$		<u>450,000</u>		
	Total project cost -	\$		<u>570,000</u>		

## B. NON-ROAD RELATED PROJECTS

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>1. BETTERMENTS/ REPLACEMENTS</b>						
5	Replacement of watermain on Achilles Rd. from Salem Rd. to 100 m west, Ajax	D		50,000	N.A.	29
				<u>Water</u>		
	2019 Budget provision - D	\$		50,000		
	2020 Budget forecast - C	\$		<u>150,000</u>		
	Total project cost -	\$		200,000		
<b>WHITBY/ OSHAWA/ CLARINGTON (COURTICE) SYSTEM</b>						
6	Replacement of sanitary sewer on Bloor St. from Ortono Ave. to Wilson Rd., Oshawa	D,C	1,100,000		33	N.A.
				<u>Sewer</u>		
	2019 Budget provision - D,C	\$	<u>1,100,000</u>			
	Total project cost -	\$	1,100,000			
7	Replacement of watermain on Harmony Rd. from Adelaide Ave. to 200 m north of Adelaide, Oshawa	D,C		200,000	N.A.	43
				<u>Water</u>		
	2019 Budget provision - D,C	\$		<u>200,000</u>		
	Total project cost -	\$		200,000		
8	Replacement of sanitary sewer and watermain on Olive Ave. from Simcoe St. to Drew St., Oshawa	D	240,000	250,000	30	57
				<u>Sewer</u>		
	2019 Budget provision - D	\$	240,000	250,000		
	2020 Budget forecast - C	\$	<u>1,030,000</u>	<u>930,000</u>		
	Total project cost -	\$	1,270,000	1,180,000		
9	Replacement of feedermain on Ritson Rd. from the Oshawa Water Supply Plant valve Chamber to Kawartha Ave., Oshawa	D		500,000	N.A.	58
				<u>Water</u>		
	2019 Budget provision - D	\$		500,000		
	2021 Budget forecast - C	\$		<u>3,500,000</u>		
	Total project cost -	\$		4,000,000		
10	Replacement of watermain on Grassmere Ave. from West limits to Ritson Rd., Oshawa	D,C		645,000	N.A.	60
				<u>Water</u>		
	2019 Budget provision - D,C	\$		<u>645,000</u>		
	Total project cost -	\$		645,000		

**B. NON-ROAD RELATED PROJECTS**

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>1. BETTERMENTS/ REPLACEMENTS</b>						
11	Replacement of watermain on Grenfell St. from 60 m south of Mariland Ave. to Gibb St, Oshawa	D,C		420,000	N.A.	64
	2019 Budget provision - D,C	\$		<u>420,000</u>		
	Total project cost -	\$		420,000		
12	Replacement of watermain on Mariland Ave. from Grenfell St. to Park Rd. South, Oshawa	D,C		400,000	N.A.	65
	2019 Budget provision - D,C	\$		<u>400,000</u>		
	Total project cost -	\$		400,000		
<b>Total Betterments/Replacement</b>			12,805,000	4,085,000		

EA=Environmental Assessment, D=Design, C=Construction, L=Land Acquisition, S=Study

**B. NON-ROAD RELATED PROJECTS**

<b>2. <u>CONSTRUCTION OF SERVICES IN UNSERVICED AREAS IN RESPONSE TO REQUESTS OR PETITONS</u></b>	<b><u>SEWER</u></b>	<b><u>WATER</u></b>	<b><u>SEWER BUDGET ITEM NO.</u></b>	<b><u>WATER BUDGET ITEM NO.</u></b>
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**Total**

**Construction of services in unserviced**

**Areas in Response to Requests or Petitions**

_____	_____
0	0

EA=Environmental Assessment, D=Design, C=Construction, L=Land Acquisition, S=Study

## B. NON-ROAD RELATED PROJECTS

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>3</b>	<b><u>SYSTEM EXPANSION</u></b>					
<b>PICKERING/ AJAX SYSTEM</b>						
1	Central Duffin Collector (CDC) trunk sanitary sewer from Fourth Concession Rd. to Taunton Rd., Pickering	D,C	1,860,000		38	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D	\$	200,000			
	2019 Budget provision - D,C	\$	<u>1,860,000</u>			
	Total project cost -	\$	2,060,000			
2	Central Duffin Collector (CDC) Brock St. trunk sanitary sewer Taunton Rd. to south of the employment lands, Pickering	D,C	9,900,000		39	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D	\$	1,000,000			
	2019 Budget provision - D,C	\$	<u>9,900,000</u>			
	Total project cost -	\$	10,900,000			
3	Duffin Heights sanitary sewer on future street from Dersan St. to Zents Dr., Pickering	D,C	725,000		40	N.A.
			<b><u>Sewer</u></b>			
	2019 Budget provision - D,C	\$	<u>725,000</u>			
	Total project cost -	\$	725,000			
4	Twinning of existing 450 mm sanitary sewer on easement from Southwood Sanitary Sewage Pumping Station to approximately 500 m North, Ajax	D	150,000		42	N.A.
			<b><u>Sewer</u></b>			
	2019 Budget provision - D	\$	150,000			
	2020 Budget forecast - C	\$	<u>1,250,000</u>			
	Total project cost -	\$	1,400,000			
5	Zone 1 feedermain on Rossland Rd. from Church St. to Westney Rd., Ajax	D,C		8,350,000	N.A	96
			<b><u>Water</u></b>			
	Financing prior to 2019 - D	\$		200,000		
	2019 Budget provision - D,C	\$		<u>8,350,000</u>		
	Total project cost -	\$		8,550,000		

**B. NON-ROAD RELATED PROJECTS**

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>3</b>	<b><u>SYSTEM EXPANSION</u></b>					
6	Zone 1 feedermain on Harwood Ave. from Kerrison Dr. to Rossland Rd., Ajax	C		4,100,000	N.A	97
				<u>Water</u>		
	Financing prior to 2019 - D	\$		400,000		
	2019 Budget provision - D,C	\$		<u>4,100,000</u>		
	Total project cost -	\$		4,500,000		
7	Zone 2 feedermain on William Jackson Dr. & Taunton Rd. from Earl Grey Ave. to Ravencroft Rd., Pickering/Ajax	D		400,000	N.A	99
				<u>Water</u>		
	2019 Budget provision - D,C	\$		400,000		
	2021 Budget forecast - C	\$		<u>5,800,000</u>		
	Total project cost -	\$		6,200,000		
<b>WHITBY/ OSHAWA/ CLARINGTON (COURTICE) SYSTEM</b>						
8	Zone 1 feedermain from Whitby Water Supply Plant to Thornton Rd., Whitby/Oshawa Whitby	C		3,000,000	N.A.	101
				<u>Water</u>		
	Financing prior to 2019 - D	\$		1,700,000		
	2019 Budget provision - C	\$		3,000,000		
	2021 Budget forecast - C	\$		12,500,000		
	2022 Budget forecast - C	\$		<u>25,200,000</u>		
	Total project cost -	\$		42,400,000		
9	Zone 4 feedermain from Thicksen Rd. Zone 4 pumping station to Zone 4 reservoir, Whitby	D		1,600,000	N.A.	107
				<u>Water</u>		
	2019 Budget provision - D	\$		1,600,000		
	2021 Budget forecast - C	\$		<u>15,900,000</u>		
	Total project cost -	\$		17,500,000		
10	Zone 4 feedermain from Brawley Rd. from Duffs Rd. to Ashburn Rd., Whitby	D		600,000	N.A.	108
				<u>Water</u>		
	2019 Budget provision - D	\$		600,000		
	2021 Budget forecast - C	\$		<u>5,300,000</u>		
	Total project cost -	\$		5,900,000		



## B. NON-ROAD RELATED PROJECTS

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>3</b>	<b><u>SYSTEM EXPANSION</u></b>					
11	Zone 1 feedermain on Bloor St. from Ritson Rd. to Wilson Rd., Oshawa Phase 3 (including new valve chamber east of Albert St.)	D,C		5,500,000	N.A.	112
				<u>Water</u>		
	Financing prior to 2019 - D	\$		500,000		
	2019 Budget provision - D,C	\$		<u>5,500,000</u>		
	Total project cost -	\$		6,000,000		
12	Zone 3 feedermain on Conlin Rd. from Garrard Rd. Zone 3 Pumping Station to Ritson Rd., Oshawa	D,C		18,300,000	N.A.	114
				<u>Water</u>		
	Financing prior to 2019 - D	\$		1,100,000		
	2019 Budget provision - D,C	\$		<u>18,300,000</u>		
	Total project cost -	\$		19,400,000		
13	Zone 3 feedermain on Harmony Rd. from Coldstream Dr. to 400 m south of Conlin Rd., Oshawa	D,C		3,460,000	N.A.	116
				<u>Water</u>		
	Financing prior to 2019 - D	\$		60,000		
	2019 Budget provision - D,C	\$		<u>3,460,000</u>		
	Total project cost -	\$		3,520,000		
14	Zone 4 feedermain on Harmony Rd. from Greenhill Ave. to 400 m south of Conlin Rd., Oshawa	D,C		640,000	N.A.	118
				<u>Water</u>		
	Financing prior to 2019 - D	\$		60,000		
	2019 Budget provision - D,C	\$		<u>640,000</u>		
	Total project cost -	\$		700,000		
15	Zone 4 feedermain from Proposed Zone 4 Pumping Station at Harmony Reservoir to Proposed Oshawa Zone 4 Reservoir, Oshawa	D		1,000,000	N.A.	120
				<u>Water</u>		
	2019 Budget provision - D	\$		1,000,000		
	2021 Budget forecast - D,C	\$		<u>15,000,000</u>		
	Total project cost -	\$		16,000,000		
16	Zone 2 feedermain on Bloor St. from Townline Rd. to Trulls Rd., Courtice	D,C		6,250,000	N.A.	123
				<u>Water</u>		
	Financing prior to 2019 - D	\$		750,000		
	2019 Budget provision - D,C	\$		<u>6,250,000</u>		
	Total project cost -	\$		7,000,000		

**B. NON-ROAD RELATED PROJECTS**

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>3</b>	<b><u>SYSTEM EXPANSION</u></b>					
17	Courtice Trunk Sanitary Sewer Phase 3 Baseline Rd. from Courtice Rd. to Trulls Rd. & Trulls Rd. from Baseline Rd. to Bloor St., Oshawa/ Courtice	C	25,900,000		66	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D,C		27,539,000			
	2019 Budget provision - C	\$	25,900,000			
	2021 Budget forecast - C	\$	43,400,000			
	2023 Budget forecast - C	\$	<u>14,500,000</u>			
	Total project cost -	\$	111,339,000			
18	Courtice Zone 1 feedermain Phase 1 400 m south of Energy Dr. to 100 m north of Energy Dr. Phase 2 100 north of Energy Dr. to intersection of Baseline Rd. and Courtice Rd. Phase 3 Baseline Rd. from Trulls Rd. to Courtice Rd. & Trulls Rd. from Baseline Rd. to Bloor St., Courtice	C		4,200,000	N.A.	124
				<b><u>Water</u></b>		
	Financing prior to 2019 - D,C	\$		5,850,000		
	2019 Budget provision - C	\$		<u>4,200,000</u>		
	Total project cost -	\$		10,050,000		
19	Zone 1 feedermain on Prestonvale Rd. from Baseline Rd. to 950 m north of Baseline Rd., Courtice	D		350,000	N.A.	126
				<b><u>Water</u></b>		
	2019 Budget provision - D	\$		350,000		
	2020 Budget forecast - C	\$		<u>1,500,000</u>		
	Total project cost -	\$		1,850,000		
<b>CLARINGTON (BOWMANVILLE) SYSTEM</b>						
20	Baseline Rd. Trunk System Sewer from Simpson Ave. to Bennett Rd., Bowmanville	D,C	3,000,000		70	N.A.
			<b><u>Sewer</u></b>			
	2019 Budget provision - D,C	\$	3,000,000			
	2020 Budget forecast - D	\$	200,000			
	2022 Budget forecast - C	\$	<u>3,800,000</u>			
	Total project cost -	\$	7,000,000			

**B. NON-ROAD RELATED PROJECTS**

				<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>3</b>	<b><u>SYSTEM EXPANSION</u></b>						
<b>CLARINGTON (NEWCASTLE) SYSTEM</b>							
21	Foster Creek Trunk Sanitary Sewer on Sunset Blvd./Lakeview Rd. from Rudell Rd. to Church St., Newcastle		C	1,200,000		75	N.A.
				<b><u>Sewer</u></b>			
	Financing prior to 2019 - D,C	\$		2,331,400			
	2019 Budget provision - C	\$		<u>1,200,000</u>			
	Total project cost -	\$		3,531,400			
 <b>Total System Expansions</b>					<u>42,735,000</u>	<u>57,750,000</u>	

EA=Environmental Assessment, D=Design, C=Construction, L=Land Acquisition, S=Study

**B. NON-ROAD RELATED PROJECTS**

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>4</b>	<b><u>OTHER LINEAR INFRASTRUCTURE</u></b>					
1	Replacement of meters	C		3,100,000	N.A.	137
2	Depots - Replacement of polybutylene water service connections in various locations	C		300,000	N.A.	138
3	Depots - Replacement of lead water service connections in various locations	D,C		1,000,000	N.A.	139
4	Replacement of valves	C		200,000	N.A.	140
5	Replacement of hydrants	C		160,000	N.A.	141
	<b>Total</b>		<u>0</u>	<u>4,760,000</u>		
	<b>Other Linear Infrastructure</b>					

EA=Environmental Assessment, D=Design, C=Construction, L=Land Acquisition, S=Study

**B. NON-ROAD RELATED PROJECTS**

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>5</b>	<b><u>BUILDINGS</u></b>					
<b>PICKERING/ AJAX SYSTEM</b>						
1	Duffin Creek WPCP - Stage III Solids expansion, Pickering Cost Sharing with York Region	C	13,000,000		81	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D,C	\$	318,947,368			
	2019 Budget provision - C	\$	<u>13,000,000</u>			
	Total project cost -	\$	331,947,368			
2	Seaton Sanitary Sewage Pumping Station 4 and forcemain Pickering	C	4,000,000		82	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D	\$	700,000			
	2019 Budget provision - C	\$	<u>4,000,000</u>			
	Total project cost -	\$	4,700,000			
3	Carruthers Sanitary Sewage Pumping Station - Chemical evaluation, Ajax	C	600,000		85	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D,C	\$	440,000			
	2019 Budget provision - C	\$	<u>600,000</u>			
	Total project cost -	\$	1,040,000			
4	Ajax Water Supply Plant - expansion joint rehabilitation work, Ajax	D		340,000	N.A.	143
			<b><u>Water</u></b>			
	Financing prior to 2019 - D	\$	60,000			
	2019 Budget provision - D	\$	340,000			
	2020 Budget forecast - C	\$	<u>4,000,000</u>			
	Total project cost -		4,400,000			
5	Proposed Ajax Zone 1 Storage facility 11 ML, Ajax	S		200,000	N.A.	144
			<b><u>Water</u></b>			
	2019 Budget provision - S	\$	200,000			
	2020 Budget forecast - EA	\$	600,000			
	2022 Budget forecast - D	\$	600,000			
	2024 Budget forecast - C	\$	<u>10,800,000</u>			
	Total project cost -	\$	12,200,000			

**B. NON-ROAD RELATED PROJECTS**

<b>5 BUILDINGS</b>			<b><u>SEWER</u></b>	<b><u>WATER</u></b>	<b><u>SEWER BUDGET ITEM NO.</u></b>	<b><u>WATER BUDGET ITEM NO.</u></b>
<b>WHITBY/ OSHAWA/ CLARINGTON (COURTICE) SYSTEM</b>						
6	Corbett Creek Water Pollution Control Plant - works to rectify existing deficiencies	D,C	2,000,000		86	N.A.
			<b><u>Sewer</u></b>			
	2019 Budget provision - D,C	\$	2,000,000			
	2020 Budget forecast - C	\$	<u>5,500,000</u>			
	Total project cost -	\$	7,500,000			
7	Corbett Creek Water Pollution Control Plant - New headworks building	D	500,000		87	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - S,D	\$	800,000			
	2019 Budget provision - D	\$	500,000			
	2020 Budget forecast - C	\$	<u>4,900,000</u>			
	Total project cost -	\$	6,200,000			
8	Garrard Rd. Zone 3 Water Pumping Station - upgrades, Whitby	D		260,000	N.A.	148
			<b><u>Water</u></b>			
	2019 Budget provision - D	\$		260,000		
	2020 Budget forecast - C	\$		<u>1,140,000</u>		
	Total project cost -	\$		1,400,000		
9	Proposed Zone 4 Pumping Station at the Thickson Rd. Reservoir, Whitby	D		500,000	N.A.	150
			<b><u>Water</u></b>			
	Financing prior to 2019 - EA	\$		600,000		
	2019 Budget provision - D	\$		500,000		
	2021 Budget forecast - C	\$		<u>6,400,000</u>		
	Total project cost -	\$		7,500,000		
10	Proposed Whitby Zone 4 Storage Facility - 11 ML, Whitby	D		500,000	N.A.	151
			<b><u>Water</u></b>			
	Financing prior to 2019 - EA	\$		500,000		
	2019 Budget provision - D	\$		500,000		
	2021 Budget forecast - C	\$		<u>11,500,000</u>		
	Total project cost -	\$		12,500,000		
11	Harmony Creek Water Pollution Control Plant upgrades, Oshawa	C	230,000		90	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D,C	\$	23,166,564			
	2019 Budget provision - C	\$	<u>230,000</u>			
	Total project cost -	\$	23,396,564			

**B. NON-ROAD RELATED PROJECTS**

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>5 BUILDINGS</b>						
12	Proposed Zone 4 Pumping Station at the Harmony Rd. Reservoir, Oshawa	D		500,000	N.A.	157
				<u>Water</u>		
	Financing prior to 2019 - EA	\$		500,000		
	2019 Budget provision - D	\$		500,000		
	2021 Budget forecast - C	\$		<u>6,500,000</u>		
	Total project cost -	\$		<u>7,500,000</u>		
13	Proposed Zone 4 Storage Facility at the Harmony Rd. Reservoir, Oshawa	D		500,000	N.A.	158
				<u>Water</u>		
	Financing prior to 2019 - EA	\$		500,000		
	2019 Budget provision - D	\$		500,000		
	2021 Budget forecast - D,C	\$		<u>6,500,000</u>		
	Total project cost -	\$		<u>7,500,000</u>		
<b>CLARINGTON (BOWMANVILLE) SYSTEM</b>						
14	Concession St. Water Pumping Station Expansion, Bowmanville	EA/D		600,000	N.A.	163
				<u>Water</u>		
	2019 Budget provision - EA/D	\$		600,000		
	2020 Budget forecast - C	\$		<u>5,000,000</u>		
	Total project cost -	\$		<u>5,600,000</u>		
15	Proposed Zone 2 Pumping Station at the Zone 1 Reservoir, Bowmanville	D		550,000	N.A.	164
				<u>Water</u>		
	2019 Budget provision - D	\$		550,000		
	2020 Budget forecast - C	\$		<u>8,000,000</u>		
	Total project cost -	\$		<u>8,550,000</u>		

**B. NON-ROAD RELATED PROJECTS**

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>5</b>	<b><u>BUILDINGS</u></b>					
<b>CLARINGTON (NEWCASTLE) SYSTEM</b>						
16	Newcastle Water Pollution Control Plant Capacity Re-rating 4 MLD to 7 MLD to include sludge storage, Newcastle	C	1,214,000		99	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - S,D,C	\$	3,700,000			
	2019 Budget provision - C	\$	1,214,000			
	2020 Budget forecast - C	\$	<u>4,900,000</u>			
	Total project cost -	\$	9,814,000			
17	Rudell Rd. Sanitary Sewerage Pumping Station - decommissioning, Newcastle	D	60,000		101	N.A.
			<b><u>Sewer</u></b>			
	2019 Budget provision - D	\$	60,000			
	2020 Budget forecast - C	\$	<u>540,000</u>			
	Total project cost -	\$	600,000			
18	Expansion of Newcastle Water Supply Plant from 8.2 MLD to 16.4 MLD and demolish the existing plant	C		10,240,000	N.A.	166
			<b><u>Water</u></b>			
	Financing prior to 2019 - D,C	\$	43,900,000			
	2019 Budget provision - C	\$	<u>10,240,000</u>			
	Total project cost -	\$	54,140,000			
19	Proposed Zone 1 Reservoir 7 ML and feedermain, Newcastle	D		900,000	N.A.	167
			<b><u>Water</u></b>			
	Financing prior to 2019 - EA	\$	300,000			
	2019 Budget provision - D	\$	900,000			
	2021 Budget forecast - C	\$	<u>7,900,000</u>			
	Total project cost -	\$	9,100,000			
20	Proposed Zone 2 Water Pumping Station, Newcastle	D		500,000	N.A.	168
			<b><u>Water</u></b>			
	Financing prior to 2019 - EA	\$	500,000			
	2019 Budget provision - D	\$	500,000			
	2021 Budget forecast - C	\$	<u>3,800,000</u>			
	Total project cost -	\$	4,800,000			
<b>UXBRIDGE (UXBRIDGE) SYSTEM</b>						
21	Uxbridge Water Pollution Control Plant - Optimization Study, upgrades and rehabilitation works based on the condition assessment.	D,C	2,500,000		103	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D	\$	600,000			
	2019 Budget provision - D,C	\$	2,500,000			
	2020 Budget forecast - C	\$	<u>1,800,000</u>			
	Total project cost -	\$	4,900,000			



**B. NON-ROAD RELATED PROJECTS**

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>5</b>	<b><u>BUILDINGS</u></b>					
<b>SCUGOG (PORT PERRY) SYSTEM</b>						
22	Water St. Sanitary Sewage Pumping Station - expansion / replacement	D,C	566,872		105	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D	\$	908,350			
	2019 Budget provision - D,C	\$	1,667,272			
	2020 Budget forecast - C	\$	<u>5,430,300</u>			
	Total project cost -	\$	8,005,922			
<b>BROCK (SUNDERLAND) SYSTEM</b>						
23	New Well and Pumphouse with standby power, Sunderland	D,C		600,000	N.A.	176
				<b><u>Water</u></b>		
	Financing prior to 2019 - S,EA	\$		1,050,000		
	2019 Budget provision - D,C			600,000		
	2020 Budget forecast - C	\$		500,000		
	2021 Budget forecast - C	\$		<u>3,300,000</u>		
	Total project cost -	\$		5,450,000		
<b>REGION WIDE</b>						
24	Wellhead protection at Regional well sites	D,C		800,000	N.A.	185
				<b><u>Water</u></b>		
	2019 Budget provision - D,C	\$		800,000		
	2020 Budget forecast - D,C	\$		800,000		
	2021 Budget forecast - D,C	\$		800,000		
	2022 Budget forecast - D,C	\$		800,000		
	2023 Budget forecast - D,C	\$		<u>800,000</u>		
	Total project cost -	\$		4,000,000		
	<b>Total Buildings</b>			<u>24,670,872</u>		<u>16,990,000</u>

EA=Environmental Assessment, D=Design, C=Construction, L=Land Acquisition, S=Study

## B. NON-ROAD RELATED PROJECTS

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>6 MACHINERY AND EQUIPMENT</b>						
<b>PICKERING/AJAX SYSTEM</b>						
1	Duffin Creek WPCP - Replacement of Reactor No. 1 & 2, Pickering Cost Sharing with York Region	D	6,000,000		117	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D	\$	15,000,000			
	2019 Budget provision - D	\$	6,000,000			
	2020 Budget forecast - C	\$	10,000,000			
	2021 Budget forecast - C	\$	29,700,000			
	2022 Budget forecast - C	\$	40,300,000			
	2023 Budget forecast - C	\$	29,700,000			
	2025 Budget forecast - C	\$	<u>40,300,000</u>			
	Total project cost -	\$	171,000,000			
2	Duffin Creek WPCP - Regional Environmental Laboratory Upgrades, Pickering Cost Sharing with York Region	C	650,000	650,000	118	186
			<b><u>Sewer</u></b>		<b><u>Water</u></b>	
	Financing prior to 2019 - D,C	\$	3,550,000	3550000		
	2019 Budget provision - C	\$	<u>650,000</u>	<u>650,000</u>		
	Total project cost -	\$	4,200,000	4,200,000		
3	Duffin Creek WPCP - Phosphorous Optimization Implementation Plan Pickering Cost Sharing with York Region	D	1,550,000		119	N.A.
			<b><u>Sewer</u></b>			
	2019 Budget provision - D	\$	1,550,000			
	2020 Budget forecast - C	\$	<u>3,450,000</u>			
	Total project cost -	\$	<u>5,000,000</u>			
4	Finch Ave. Elevated Tank - recoating Pickering	D		120,000	N.A.	187
			<b><u>Water</u></b>			
	2019 Budget provision - D	\$		120,000		
	2020 Budget forecast - C	\$		<u>500,000</u>		
	Total project cost -	\$		620,000		
5	Bayly St. Sanitary Sewage Pumping Station - Mechanical Screen Replacement, Motor Control Centre (MCC) review and upgrades, Ajax	D,C	1,000,000		121	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D	\$	350,000			
	2019 Budget provision - D,C	\$	1,000,000			
	2020 Budget forecast - C	\$	<u>1,400,000</u>			
	Total project cost -	\$	2,750,000			

## B. NON-ROAD RELATED PROJECTS

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>6</b>	<b><u>MACHINERY AND EQUIPMENT</u></b>					
	<b>WHITBY / OSHAWA / CLARINGTON (COURTICE) SYSTEM</b>					
6	Thickson Rd. Water Pumping Station replacement of the Motor Control Centre (MCC)	D,C		250,000	N.A.	190
	2019 Budget provision - D,C	\$		<u>250,000</u>		
	Total project cost -	\$		<u>250,000</u>		
7	Oshawa Water Supply Plant - Valve Chamber upgrades, Oshawa	D		100,000	N.A.	193
	2019 Budget provision - D	\$		100,000		
	2021 Budget forecast - C	\$		<u>570,000</u>		
	Total project cost -	\$		<u>670,000</u>		
8	Oshawa Water Supply Plant - Header & Backwash valve replacement and associated piping rehabilitation/ replacement, Oshawa	D		400,000	N.A.	194
	2019 Budget provision - D	\$		400,000		
	2020 Budget forecast - C	\$		<u>1,600,000</u>		
	Total project cost -	\$		<u>2,000,000</u>		
9	Oshawa Water Supply Plant - Plant No. 1 Filter Rehabilitation, Oshawa	C		2,500,000	N.A.	196
	Financing prior to 2019 - D,C	\$		4,200,000		
	2019 Budget provision - C	\$		<u>2,500,000</u>		
	Total project cost -	\$		<u>6,700,000</u>		
10	Hortop Reservoir - replacement of Fill and Check Valves at the reservoir, Oshawa	D,C		150,000	N.A.	199
	2019 Budget provision - D,C	\$		<u>150,000</u>		
	Total project cost -	\$		<u>150,000</u>		

**B. NON-ROAD RELATED PROJECTS**

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>6</b>	<b><u>MACHINERY AND EQUIPMENT</u></b>					
11	Courtice Water Pollution Control Plant - Capacitor Bank replacement, Courtice	D,C	150,000		126	N.A.
	2019 Budget provision - D,C	\$	<u>150,000</u>			
	Total project cost -	\$	150,000			
<b>CLARINGTON (BOWMANVILLE) SYSTEM</b>						
12	Bowmanville Water Supply Plant - condition assessment and process Study	S		300,000	N.A.	200
	2019 Budget provision - S	\$		<u>300,000</u>		
	Total project cost -	\$		300,000		
13	Bowmanville Water Supply Plant - disinfection upgrades	D		100,000	N.A.	201
	2019 Budget provision - D	\$		100,000		
	2020 Budget forecast - C	\$		<u>570,000</u>		
	Total project cost -	\$		670,000		
14	Bowmanville Water Supply Plant - Header and pump replacement with associated piping rehabilitation/ replacement	D,C		450,000	N.A.	202
	2019 Budget provision - D,C	\$		<u>450,000</u>		
	Total project cost -	\$		450,000		
<b>CLARINGTON (ORONO) SYSTEM</b>						
15	Orono Water Supply System - Storage Tank recoating	C		400,000	N.A.	206
	Financing prior to 2019 - D	\$		60,000		
	2019 Budget provision - C	\$		<u>400,000</u>		
	Total project cost -	\$		460,000		
<b>SCUGOG (BLACKSTOCK) SYSTEM</b>						
16	Blackstock Water Supply System - header replacement and associated piping rehabilitation/replacement	D,C		100,000	N.A.	211
	2019 Budget provision - D,C	\$		<u>100,000</u>		
	Total project cost -	\$		100,000		

**B. NON-ROAD RELATED PROJECTS**

<b>6</b>	<b><u>MACHINERY AND EQUIPMENT</u></b>		<b><u>SEWER</u></b>	<b><u>WATER</u></b>	<b><u>SEWER</u></b>	<b><u>BUDGET</u></b>	<b><u>WATER</u></b>
	<b>BROCK (BEAVERTON) SYSTEM</b>				<b>ITEM NO.</b>	<b>ITEM NO.</b>	
17	Beaverton Water Supply Plant - Chlorine line replacement	D,C		300,000	N.A.	214	
			<b><u>Water</u></b>				
	2019 Budget provision - D,C	\$		<u>300,000</u>			
	Total project cost -	\$		300,000			
<b>REGION WIDE</b>							
18	Automatic bulk water dispensing system	D,C		440,000	N.A.	215	
			<b><u>Water</u></b>				
	Financing prior to 2019 - D,C	\$		900,000			
	2019 Budget provision -D,C	\$		440,000			
	2020 Budget forecast - D,C	\$		440,000			
	2021 Budget forecast - D,C	\$		440,000			
	2022 Budget forecast - D,C	\$		300,000			
	2023 Budget forecast - D,C	\$		<u>300,000</u>			
	Total project cost -	\$		2,820,000			
<b>Total Machinery and Equipment</b>				9,350,000		6,260,000	

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**C. NON ROAD RELATED PROJECTS**

<b>IT INFRASTRUCTURE</b>			<b>SEWER BUDGET ITEM NO.</b>	<b>WATER BUDGET ITEM NO.</b>
<b>PICKERING/AJAX SYSTEM</b>	<b><u>SEWER</u></b>	<b><u>WATER</u></b>		
<b>TOTAL</b>	<hr/>	<hr/>		
<b>IT Infrastructure</b>	<b>0</b>	<b>0</b>		

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**NON-ROAD RELATED PROJECTS (CONT'D)**

D.	<b><u>ALLOWANCES AND OTHER PROVISIONS</u></b>			<b>SEWER</b>	<b>WATER</b>	<b>SEWER BUDGET ITEM NO.</b>	<b>WATER BUDGET ITEM NO.</b>
1	Allowance for acquisition of easements	L		150,000	150,000	135	222
				<b><u>Sewer</u></b>	<b><u>Water</u></b>		
	2019 Budget provision - L		\$	150,000	150,000		
	2020 Budget forecast - L		\$	150,000	150,000		
	2021 Budget forecast - L		\$	150,000	150,000		
	2022 Budget forecast - L		\$	150,000	150,000		
	2023 Budget forecast - L		\$	<u>150,000</u>	<u>150,000</u>		
	Total project cost -		\$	750,000	750,000		
2	Allowance for engineering studies	S		250,000	150,000	136	223
				<b><u>Sewer</u></b>	<b><u>Water</u></b>		
	2019 Budget provision - S		\$	250,000	150,000		
	2020 Budget forecast - S		\$	150,000	300,000		
	2021 Budget forecast - S		\$	150,000	150,000		
	2022 Budget forecast - S		\$	150,000	300,000		
	2023 Budget forecast - S		\$	<u>150,000</u>	<u>150,000</u>		
	Total project cost -		\$	850,000	1,050,000		
3	Preliminary Engineering			100,000	100,000	138	225
4	Allowance for Sundry Extensions as per Council Policy			15,000	15,000	139	226
5	Allowance for unknown requirements			100,000	100,000	140	227
6	Allowance for land severance review and drawing requirements			100,000	100,000	141	228
7	Allowance for Regional share for works in conjunction with residential subdivision development			1,460,000	1,460,000	142	229
8	Allowance for Regional share for works in conjunction with non-residential development			400,000	400,000	143	230
9	Allowance for intensification			350,000		143	N.A.
10	Well Interference works				400,000	N.A.	231
	<b>TOTAL</b>			2,925,000	2,875,000		
	<b>Allowance and Other Provisions</b>						

EA=Environmental Assessment, D=Design, C=Construction, L=Land Acquisition, S=Study

**SUMMARY OF ASSET MANAGEMENT RESERVE FUND  
PROJECTS**



**E. ASSET MANAGEMENT RELATED PROJECTS**

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>PICKERING/AJAX SYSTEM</b>						
1	Replacement and improvements to the Central Duffin Collector siphon (1200 mm and 800 mm) on Valley Farm Rd., 670 m north of Finch Ave., Pickering	D,C	1,000,000		17	N.A.
			<b><u>Sewer</u></b>			
	Financing prior to 2019 - D,C	\$	800,000			
	2019 Budget provision - D,C	\$	<u>1,000,000</u>			
	Total project cost -	\$	1,800,000			
2	Rehabilitation of sanitary sewer on Kingston Rd. (Highway No. 2) from 240 m east of Delta Blvd. to Merritton Dr., Pickering	D,C	370,000		18	N.A.
			<b><u>Sewer</u></b>			
	2019 Budget provision - D,C	\$	<u>370,000</u>			
	Total project cost -	\$	370,000			
3	Replacement of sanitary sewer on Zator Ave. from Bem Ave. to Krosno Blvd., Pickering	D,C	1,000,000		19	N.A.
			<b><u>Sewer</u></b>			
	2019 Budget provision - D,C	\$	<u>1,000,000</u>			
	Total project cost -	\$	1,000,000			
4	Replacement of sanitary sewer on Miriam Rd. from Zator Ave. S/L to N/L, Pickering	D,C	600,000		20	N.A.
			<b><u>Sewer</u></b>			
	2019 Budget provision - D,C	\$	<u>600,000</u>			
	Total project cost -	\$	600,000			
5	Duffin Creek WPCP - Condition Assessment Pickering Cost Sharing with York Region	S	600,000		80	N.A.
			<b><u>Sewer</u></b>			
	2019 Budget provision - S	\$	<u>600,000</u>			
	Total project cost -	\$	600,000			
6	Replacement of watermain on Linton Ave. from Kearney Dr. to Old Kingston Rd., Ajax	D		40,000	N.A.	31
			<b><u>Water</u></b>			
	2019 Budget provision - D	\$		40,000		
	2020 Budget forecast - C	\$		<u>410,000</u>		
	Total project cost -	\$		450,000		



**E. ASSET MANAGEMENT RELATED PROJECTS**

			<b>SEWER</b>	<b>WATER</b>	<b>SEWER BUDGET ITEM NO.</b>	<b>WATER BUDGET ITEM NO.</b>
14	Replacement of watermain on Montrave Ave. from Pacific Ave. to 49 m north of Pacific Ave. & Pacific Ave. from 50 m west of Cormwell Ave. to dead-end, Oshawa	C		410,000	N.A.	55
				<u>Water</u>		
	Financing prior to 2019 - D	\$		125,000		
	2019 Budget provision - C	\$		410,000		
	Total project cost -	\$		535,000		
15	Courtice Water Pollution Control Plant - remediation work at digester No. 1, performance improvements for the grit tank and refurbishment of the mixers	D,C	1,700,000		124	N.A.
				<u>Sewer</u>		
	2019 Budget provision - D,C	\$	1,700,000			
	Total project cost -	\$	1,700,000			
<b>UXBRIDGE (UXBRIDGE) SYSTEM</b>						
16	Replacement of sanitary sewer on Mechanic St. from Victoria Dr. to Church St., Uxbridge	D,C	170,000		34	N.A.
				<u>Sewer</u>		
	2019 Budget provision -D,C	\$	170,000			
	Total project cost -	\$	170,000			
<b>SCUGOG (PORT PERRY) SYSTEM</b>						
17	Valve replacement on the forcemain outside the Water St. Sanitary Sewage Pumping Station, Port Perry	D,C	200,000		35	N.A.
				<u>Sewer</u>		
	2019 Budget provision -D,C	\$	200,000			
	Total project cost -	\$	200,000			
18	Water St. Sanitary Sewage Pumping Station - expansion / replacement	D,C	1,100,400		105	N.A.
				<u>Sewer</u>		
	Financing prior to 2019 - D	\$	908,350			
	2019 Budget provision - D,C	\$	1,667,272			
	2020 Budget forecast - C	\$	5,430,300			
	Total project cost -	\$	8,005,922			
19	Replacement of watermain on Caleb St. from Clarke St. to Queen St., Port Perry	D,C		350,000	N.A.	71
				<u>Water</u>		
	2019 Budget provision -D,C	\$	350,000			
	Total project cost -	\$	350,000			
20	Replacement of watermain on Bigelow St. from 30 m north of Kellett St. to 100 m north of Kellett St., Port Perry	D,C		150,000	N.A.	73
				<u>Water</u>		
	2019 Budget provision -D,C	\$	150,000			
	Total project cost -	\$	150,000			

## E. ASSET MANAGEMENT RELATED PROJECTS

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
21	Replacement of watermain on Kellett St./ Beech St. from Bigelow St. to 100 m east of Kent St., Port Perry	D		60,000	N.A.	74
				<u>Water</u>		
	2019 Budget provision -D	\$		60,000		
	2020 Budget forecast - C	\$		<u>405,000</u>		
	Total project cost -	\$		<u>465,000</u>		
<b>BROCK (BEAVERTON) SYSTEM</b>						
22	Replacement of watermain on Simcoe St. from Union St. to 480 m south of Union St., Beaverton	D		100,000	N.A.	82
				<u>Water</u>		
	2019 Budget provision -D	\$		100,000		
	2020 Budget forecast - C	\$		<u>660,000</u>		
	Total project cost -	\$		<u>760,000</u>		
23	Replacement of watermain on Bay St. from Union St. to Osborne St., Beaverton	D		80,000	N.A.	84
				<u>Water</u>		
	2019 Budget provision -D	\$		80,000		
	2020 Budget forecast - C	\$		<u>480,000</u>		
	Total project cost -	\$		<u>560,000</u>		
24	Replacement of watermain on Bay St. from Osborne St. to Mill St., Beaverton	D		60,000	N.A.	85
				<u>Water</u>		
	2019 Budget provision -D	\$		60,000		
	2020 Budget forecast - C	\$		<u>310,000</u>		
	Total project cost -	\$		<u>370,000</u>		
25	Replacement of watermain on Church St. from Osborne St. to Mill St., Beaverton	D		70,000	N.A.	86
				<u>Water</u>		
	2019 Budget provision -D	\$		70,000		
	2021 Budget forecast - C	\$		<u>430,000</u>		
	Total project cost -	\$		<u>500,000</u>		
26	Replacement of watermain on Mill St. from Church St. to Bay St., Beaverton	D		60,000	N.A.	87
				<u>Water</u>		
	2019 Budget provision -D	\$		60,000		
	2021 Budget forecast - C	\$		<u>300,000</u>		
	Total project cost -	\$		<u>360,000</u>		
27	Replacement of watermain on Bay St. from Mill St. to Main St., Beaverton	D		70,000	N.A.	88
				<u>Water</u>		
	2019 Budget provision -D	\$		70,000		
	2021 Budget forecast - C	\$		<u>480,000</u>		
	Total project cost -	\$		<u>550,000</u>		

E. ASSET MANAGEMENT RELATED PROJECTS

			<u>SEWER</u>	<u>WATER</u>	<u>SEWER BUDGET ITEM NO.</u>	<u>WATER BUDGET ITEM NO.</u>
<b>REGION WIDE</b>						
28	Rehabilitation of existing sanitary sewers in various locations	C	300,000		15	N.A.
			<u>Sewer</u>			
	2019 Budget provision - C		\$ 300,000			
	2020 Budget forecast - C		\$ 300,000			
	2021 Budget forecast - C		\$ 500,000			
	2022 Budget forecast - C		\$ 500,000			
	2023 Budget forecast - C		\$ <u>500,000</u>			
	Total project cost -		\$ 2,100,000			
29	Water Storage Facilities condition assessment and rehabilitation works	D,C		150,000	N.A.	184
				<u>Water</u>		
	2019 Budget provision - D,L,C		\$ 150,000			
	2021 Budget forecast - D,L,C		\$ 150,000			
	2022 Budget forecast - D,L,C		\$ 150,000			
	2023 Budget forecast - D,L,C		\$ <u>150,000</u>			
	Total project cost -		\$ 600,000			
30	Asset Condition Assessment/investigation on trunk sanitary sewer system and transmission pipe	S	200,000	200,000	133	220
			<u>Sewer</u>		<u>Water</u>	
	2019 Budget provision -S		\$ 200,000	200,000		
	2020 Budget forecast - S		\$ 200,000	100,000		
	2021 Budget forecast - S		\$ 200,000	195,000		
	2022 Budget forecast - S		\$ 200,000	209,000		
	2023 Budget forecast - S		\$ <u>200,000</u>	<u>200,000</u>		
	Total project cost -		\$ 1,000,000	904,000		
	<b>Total Asset Management</b>		<u>8,695,400</u>	<u>4,985,000</u>		

EA=Environmental Assessment, D=Design, C=Construction, L=Land Acquisition, S=Study

# **Appendix "A"**

## **SUMMARY OF WORKS TO RECTIFY IDENTIFIED DEFICIENCIES**

**Part 1 - Summary of road reconstruction locations  
proposed by area municipalities**

**Part 2 - Summary of locations for sanitary sewer and watermain  
deficiency projects independent of road reconstruction  
projects**

**PART 1 - SUMMARY OF ROAD RECONSTRUCTION LOCATIONS PROPOSED BY  
AREA MUNICIPALITIES**

**CITY OF PICKERING ROAD PROGRAM (1 Project)**

- 1 Sandy Beach Rd. from 300 m north of Alyssum St. to 210 m south of Alyssum St.

**TOWN OF AJAX ROAD PROGRAM (5 Projects)**

- 1 Dreyer Dr. from Harwood Ave. to Pickering Beach Rd.
- 2 Graham Crt. from Dreyer Dr. to dead-end
- 3 Farley Ct. from Dreyer Dr. to dead-end
- 4 Admiral Rd. from Roosevelt Ave. to Parry Rd.
- 5 Hunt St. from 340 m west of Mackenzie Ave. to Harwood Ave. (Design only)

**TOWN OF WHITBY ROAD PROGRAM (1 Project)**

- 1 Centre St. from Miller St. to Dunlop St.

**CITY OF OSHAWA ROAD PROGRAM (2 Projects)**

- 1 Hillside Ave. from Laval St. to Park Rd. S.
- 2 Bermuda Ave. Culvert Replacement

**MUNICIPALITY OF CLARINGTON ROAD PROGRAM (4 Projects)**

- 1 Prospect St. from Odell St. to Fourth St.
- 2 Second St. from Prospect St. to Lambs Lane
- 3 Veterans Ave. from Prospect St. to Lambs Lane
- 4 Brown St. from Queen St. to Victoria St.

**TOWNSHIP OF SCUGOG ROAD PROGRAM (0 Projects)**

No new proposed work in 2019

**TOWNSHIP OF UXBRIDGE ROAD PROGRAM (1 Project)**

- 1 Planks Lane from Main St. to Third Ave.

**TOWNSHIP OF BROCK ROAD PROGRAM (0 Projects)**

No new proposed work in 2019

**PART 2 - WORKS TO RECTIFY IDENTIFIED SYSTEM DEFICIENCIES  
INDEPENDENT OF ROAD PROGRAMS**

**Water Supply (5 Projects)**

**Allowance for:**

- 1 Erosion protection for watermains in various locations
- 2 Final restoration for remedial works constructed in prior years
- 3 Remedial works in various locations (Locations and priorities under review)
- 4 Preliminary engineering/surveys for future construction of remedial works

627,693

5 Rehabilitation (cement mortar lining) of existing watermains

2,000,000

**Total**

**2,627,693**

**Sanitary Sewerage (5 Projects)**

- 1 Erosion protection for sanitary sewer
- 2 Krosno Creek Crossing - Trunk Sanitary Sewer erosion protection

**Allowance for:**

- 3 Final restoration for remedial works constructed in prior years
- 4 Remedial works in various locations (Locations and priorities under review)
- 5 Preliminary engineering/surveys for future construction of remedial works

**Total**

**696,100**





# The Regional Municipality of Durham Report

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To: Works Committee  
From: Commissioner of Works  
Report: [#2019-W-8](#)  
Date: January 9, 2019

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**Subject:**

New Community Safety Zone and Speed Limit Reduction – Simcoe Street Between Niagara Drive/Selleck Lane and the Campus Ice Centre Access – University of Ontario Institute of Technology and Durham College

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**Recommendation:**

That the Works Committee recommends to Regional Council:

- A) That Corporate Services – Legal Services be directed to prepare an amending by-law to amend By-Law 44-2006, generally in the form included as Attachment #2 to this report, for presentation to Regional Council for passage; and
  - B) That staff be authorized to take all steps required and necessary to give effect to the amendments contemplated to By-Law 44-2006 as indicated in the form included as Attachment #2.
- 

**Report:**

**1. Purpose**

- 1.1 The purpose of this report is to seek Regional Municipality of Durham (Region) Council approval to amend the Region's Traffic and Parking By-law #44-2006 to implement a new Community Safety Zone on Simcoe Street between Niagara Drive/Selleck Lane and the Campus Ice Centre Access in the vicinity of the University of Ontario Institute of Technology (UOIT) and Durham College (DC).
- 1.2 When signed and by-lawed, Community Safety Zones enable Section 128 (14) of the Highway Traffic Act (HTA) which prescribes double fines for specific HTA offences within these zones. Attachment #1 indicates the location of the proposed

Community Safety Zone.

- 1.3 In addition, this report recommends a further amendment to the Region's Traffic and Parking By-law #44-2006 to reduce the posted speed limit from 60 km/hr to 50 km/hr on Simcoe Street between Conlin Road and the Campus Ice Centre Access, to coincide with the limits of the proposed Community Safety Zone.

## **2. Background**

- 2.1 Traffic and Parking By-Law #44-2006 was last consolidated on July 5, 2006. It has been updated several times since its introduction to combine additional changes in traffic regulations and amend the appropriate schedules within the by-law. The last such update was By-Law #13-2018 which was passed on March 21, 2018.

## **3. Analysis**

- 3.1 The following amendments to Traffic and Parking By-Law #44-2006 are proposed, for which authority is being sought pursuant to this report.

- a. Community Safety Zone – Simcoe Street (Regional Road 2), City of Oshawa

An addition to Schedule XXI is required to designate a Community Safety Zone (CSZ) in Oshawa. This CSZ is located on Simcoe Street in the vicinity of UOIT/DC. The limits of the proposed CSZ are from Niagara Drive/Selleck Lane (in the south) to the Campus Ice Centre Access north of Conlin Road, in order to address safety concerns with respect to the university and college students crossing in the area.

- b. Reduced Speed Limit – Simcoe Street (Regional Road 2), City of Oshawa

An addition to Bylaw 44-2006 Schedule XVI (Maximum Rate of Speed) is required to implement a reduced speed limit (from 60 km/hr to 50 km/hr) on Simcoe Street between Conlin Road and the Campus Ice Centre Access. This would result in a uniform speed limit of 50 km/hr over the length of the proposed CSZ between Niagara Drive/Selleck Lane and the Campus Ice Centre Access.

- 3.2 In November 2017, the Provincial Legislature passed Bill 65 – The Safer School Zones Act which amended the Highway Traffic Act to permit municipalities to use Automated Speed Enforcement (ASE) in all School Zones and any Community Safety Zone with a posted speed limit less than 80 km/hr. Designating the proposed section of Simcoe Street as a Community Safety Zone will make this road segment a candidate for ASE implementation if a program is introduced for Regional roads.
- 3.3 Recently, Regional staff met with City of Oshawa staff to discuss potential measures to enhance traffic safety in the UOIT/DC area (along Simcoe Street and Conlin Road), including:
- Designation of Community Safety Zones;
  - Lowering speed limits;
  - Constructing a temporary asphalt walkway on the east side between Britannia Avenue and Northern Dancer Drive (to close the “gap”) that could align with the Region’s planned reconstruction of Simcoe Street between Conlin and Winchester;
  - Increased enforcement in the Simcoe/Conlin area (by Durham Regional Police Services); and
  - Active engagement of UOIT/DC and other local stakeholders in raising awareness of the importance of pedestrian and driver safety.
- 3.4 City staff advised that a CSZ is being designated on Conlin Road between Bridle Road/Oshawa Creek and Founders Drive. It was acknowledged that a coordinated approach involving all stakeholders would be most effective in improving road safety in the UOIT/DC campus area near Simcoe Street and Conlin Road.
- 3.5 As a result of a recent review of the existing posted speed limits on Simcoe Street, the Region has slightly modified the existing 50 km/hr zone to extend to the northern limit of Conlin Road, and as well installed an advance sign advising southbound motorists of the reduced speed limit zone ahead. Upon Council approval of this report and the by-law amendment, speed limit posting(s) on Simcoe Street will be modified as necessary.
- 3.6 Regional staff are also closely monitoring the area along Simcoe Street between Conlin Road and Highway 407 for further consideration of future posted speed limit reductions. The planned 2019 construction at the intersection of Simcoe and Winchester Road and subsequent (2020/21) roadworks planned southerly between Winchester Road and Conlin Road will require implementing reduced

work zone speed limits being implemented in this area. Regional staff have delegated authority to implement work zone speed limit reductions. As construction is completed and development progresses, with the roadside environment becoming conducive to lower operating speeds, it is expected the reduced speed limits will come to remain in place with supporting by-laws.

- 3.7 Regional staff are examining feasibility to construct a temporary asphalt walkway on the east side between Britannia Avenue and Northern Dancer Drive, in early 2019. This would provide pedestrians with a continuous walkway between Britannia Avenue and Conlin Road. The City of Oshawa would be responsible for maintaining this temporary walkway.
- 3.8 Regional staff have requested increased enforcement in the area from Durham Region Police Services. Staff also plan to install a radar speed feedback sign (“speed board”) on Simcoe Street in the southbound direction approaching Conlin Road.

#### **4. Conclusion**

- 4.1 The proposed amendments to Traffic and Parking By-Law #44-2006 reflect the legislative change to traffic regulations on Regional roads to implement a new Community Safety Zone and reduced Speed Limit on Simcoe Street near UOIT and DC. Regional staff will continue to work with City staff and other stakeholders towards improving road safety in the UOIT/DC campus area.
- 4.2 This report has been reviewed by the Legislative Services and Legal Services Divisions of the Corporate Services Department.
- 4.3 For additional information, contact Steven Kemp, Manager of Traffic Engineering and Operations at 905-668-7711, extension 4701.

**5. Attachments**

Attachment #1: Proposed Community Safety Zone – Simcoe Street

Attachment #2: Amendments to Regional Traffic and Parking Bylaw 44-2006

Respectfully submitted,

**Original signed by:**

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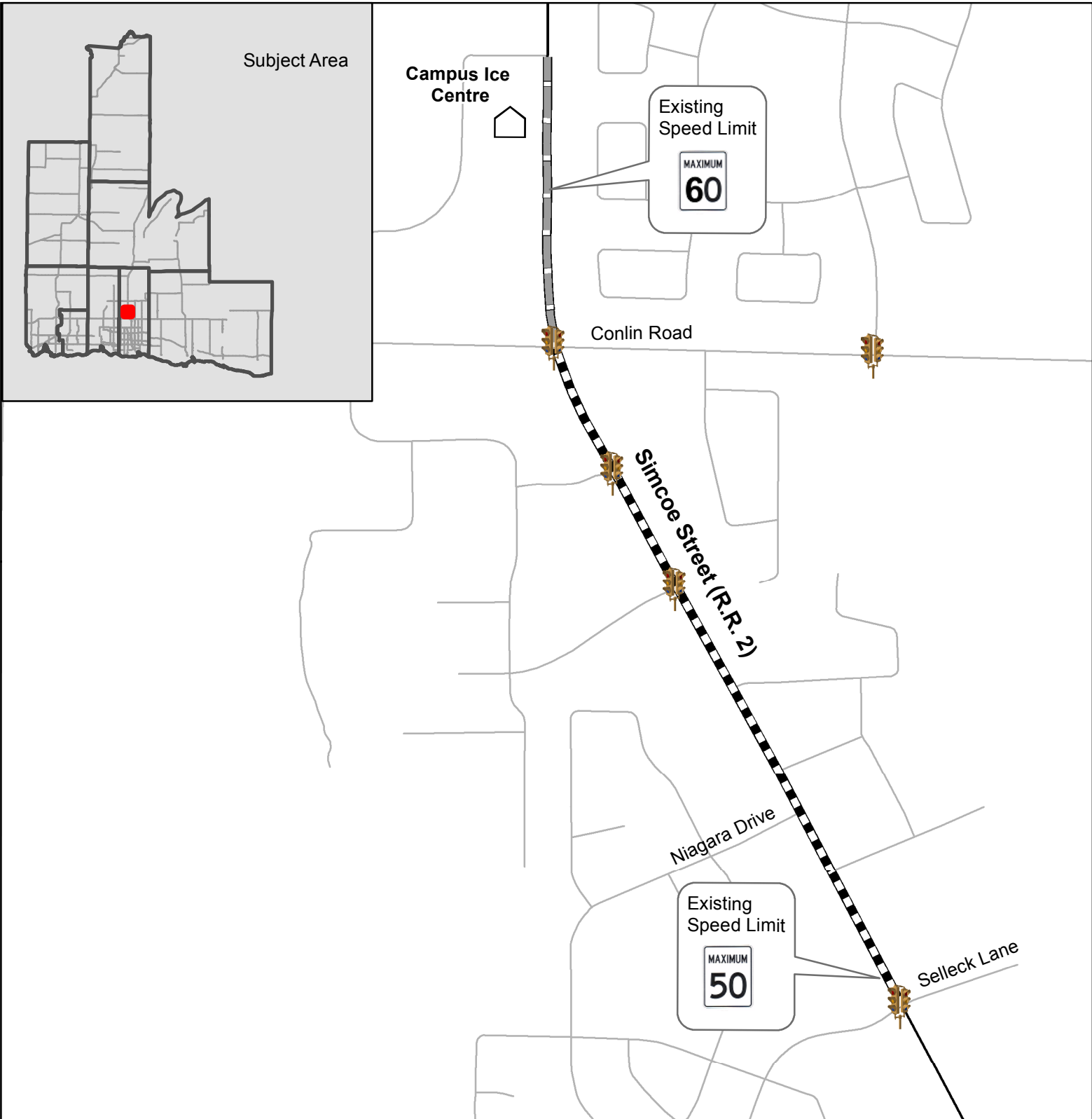
Susan Siopis, P.Eng.  
Commissioner of Works

Recommended for Presentation to Committee

**Original signed by:**






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Elaine C. Baxter-Trahair  
Chief Administrative Officer



**Proposed Community Safety Zone on Simcoe Street (R.R. 2):  
Between Niagara Drive/Selleck Lane and the Campus Ice Centre  
access north of Conlin Road**

**Legend**

-  Existing Traffic Signal
-  50 km/h
-  60 km/h
-  Regional Road
-  Local Road



## BY-LAW NUMBER \_\_\_\_\_

OF

## THE REGIONAL MUNICIPALITY OF DURHAM

Being a By-law to amend By-law #44-2006 which regulates traffic and parking on roads under the jurisdiction of the Regional Municipality of Durham

NOW, THEREFORE, BE IT ENACTED AND IT IS HEREBY ENACTED as a by-law of The Regional Municipality of Durham by the Council thereof as follows:

That by-law #44-2006 be amended as follows:

1. THAT Schedule XXI (Community Safety Zones) be further amended by **adding** thereof the following:

COLUMN 1 Highway	COLUMN 2 Between	COLUMN 3 Times of Day	COLUMN 4 Days/Months of Year	Amending By-Law Number and Date
Regional Road 2 (Simcoe Street)	Niagara Drive/Selleck Lane and the Campus Ice Centre Private Access (450 metres north of the north limit of Conlin Road)	Anytime	All days/months	

2. THAT Schedule XVI (Maximum Rate of Speed) be further amended by **deleting** thereof the following:

COLUMN 1 Highway	COLUMN 2 From	COLUMN 3 To	COLUMN 4 Posted Speed	Amending By-Law Number and Date
Regional Road 2 (Simcoe Street)	Conlin Rd	100m north of Britannia Avenue	60 km/hr	Added by By-law 77-2017 December 13, 2017

3. THAT Schedule XVI (Maximum Rate of Speed) be further amended by **adding** thereof the following:

<b>COLUMN 1 Highway</b>	<b>COLUMN 2 From</b>	<b>COLUMN 3 To</b>	<b>COLUMN 4 Posted Speed</b>	<b>Amending By-Law Number and Date</b>
Regional Road 2 (Simcoe Street)	Conlin Road	Campus Ice Centre Private Access (450 metres north of the north limit of Conlin Road)	50 km/hr	
Regional Road 2 (Simcoe Street)	Campus Ice Centre Private Access (450 metres north of the north limit of Conlin Road)	100m north of Britannia	60 km/hr	

This by-law has been read and passed on the \_\_\_\_ day of \_\_\_\_ 2019.

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Ralph Walton, Regional Clerk

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John Henry, Regional Chair and CEO





# The Regional Municipality of Durham Report

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To: Works Committee  
From: Commissioner of Works  
Report: [#2019-W-9](#)  
Date: January 9, 2019

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**Subject:**

Purchase of Land Required for the Adelaide Avenue (Regional Road 58) Extension Project, in the Municipality of Clarington

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**Recommendation:**

That the Works Committee recommends to Regional Council:

A) That the following purchase agreement be approved:

Adelaide Avenue (Regional Road 58) Extension Project – Townline Road (Regional Road 55) to Trulls Road, Municipality of Clarington

Estate of Barbara	18 Lawson Road	\$476,500
Anita Butters	Part of Lot 35, Concession 3 Municipality of Clarington Identified as PIN 26707-0034	

B) Additional costs, estimated to be \$35,000, for the demolition of the house be approved, if necessary;

C) That financing for the acquisition be provided from the funds allocated in the approved project budget; and

- D) That the Regional Chair and Clerk be authorized to execute all documents associated with the agreement.
- 

**Report:****1. Purpose**

- 1.1 The purpose of this report is to obtain approval for the acquisition of the negotiated purchase of 18 Lawson Road (Attachment #1), Municipality of Clarington (Clarington), being property identified as required for the extension of Adelaide Avenue (Regional Road 58).

**2. Background**

- 2.1 An Environmental Assessment (EA) has been completed for the extension of Adelaide Avenue from Townline Road (Regional Road 55) to Trulls Road, in Clarington. The EA was completed to set the road alignment and therefore establish the limits for proposed residential development.
- 2.2 The funding for the construction of the extension of Adelaide Avenue is allocated in 2025 in the 2018 Capital Roads Program and Nine-Year Forecast. Detailed design is identified for commencement in 2022. The extension will help to address the need for future transportation improvements between east Oshawa and west Clarington, and the Regional transportation network generally. The approved plan is to construct a three-lane urban/semi-urban road extension with new culvert/bridge crossings over Harmony Creek and Farewell Creek.
- 2.3 The Regional Municipality of Durham's (Region) practice regarding the early acquisition of identified properties is that if an owner wants to market their property, the Region will purchase it because all other potential purchasers, being aware of the Region's intention, will not be interested in acquiring it. This practice eliminates any possible litigation concerning the marketing of a property identified as being required by the Region or the need for future potential expropriation, as it is a willing seller approaching the Region to request the purchase their property.

**3. Property Acquisition**

- 3.1 The subject property is located east of Townline Road (Regional Road 55) at 18 Lawson Road in Clarington. The 6,024 square metre (1.49 acre) property is improved with a dilapidated single storey residence of limited contributory value.

- 3.2 The proposed alignment established by the EA results in the requirement for a full buyout of this property. Adelaide Avenue will traverse the property, with the site also being used as a link road between Lawson Road and Adelaide Avenue. Lawson Road is to end prior to Townline Road due to the proximity to Adelaide Avenue once extended.
- 3.3 The trustee and executor for the estate of the deceased property owner has contacted the Region to initiate the acquisition of the property under the Region's advance purchase practice.
- 3.4 An internal appraisal was completed for this acquisition. Based on the condition of the existing residence, the lot frontage and site area, the property has been valued at its highest and best use, being redevelopment as two lots. Research into recent sales of comparable lots indicated a value range of \$200,000 to \$285,000 per comparable lot. Considering the specific conditions of this site including its readiness for redevelopment, negotiations with the estate have resulted in an offer of compensation totalling \$476,500, consisting of \$475,000 for the land and \$1,500 for legal fees incurred. The Region will tender for the demolition of the dwelling at an estimated cost of \$35,000.

#### **4. Financial Implications**

- 4.1 Financing for the acquisition of this property and the demolition of the improvements on site will be provided from the approved project budget for the extension of Adelaide Avenue from Townline Road (Regional Road 55) to Trulls Road (Project R0806).

#### **5. Conclusion**

- 5.1 The acquisition of 18 Lawson Road, in the Municipality of Clarington as described in this report is required for facilitating the planned extension of Adelaide Avenue (Regional Road 58), in the Municipality of Clarington.
- 5.2 The Regional Municipality of Durham's practice regarding the early acquisition of identified properties is that if an owner wants to market their property, the Regional Municipality of Durham will purchase it on a willing buyer/willing seller basis because all other potential purchasers, being aware of the Regional Municipality of Durham's intention, will not be interested in acquiring it.
- 5.3 For additional information, please contact Jeremy Harness, Financial Services and Corporate Real Estate, at 905-668-7711, extension 3475.

**6. Attachments**

Attachment #1: Location Map – Adelaide Avenue Extension Project,  
18 Lawson Road, Municipality of Clarington

Respectfully submitted,

**Original signed by:**

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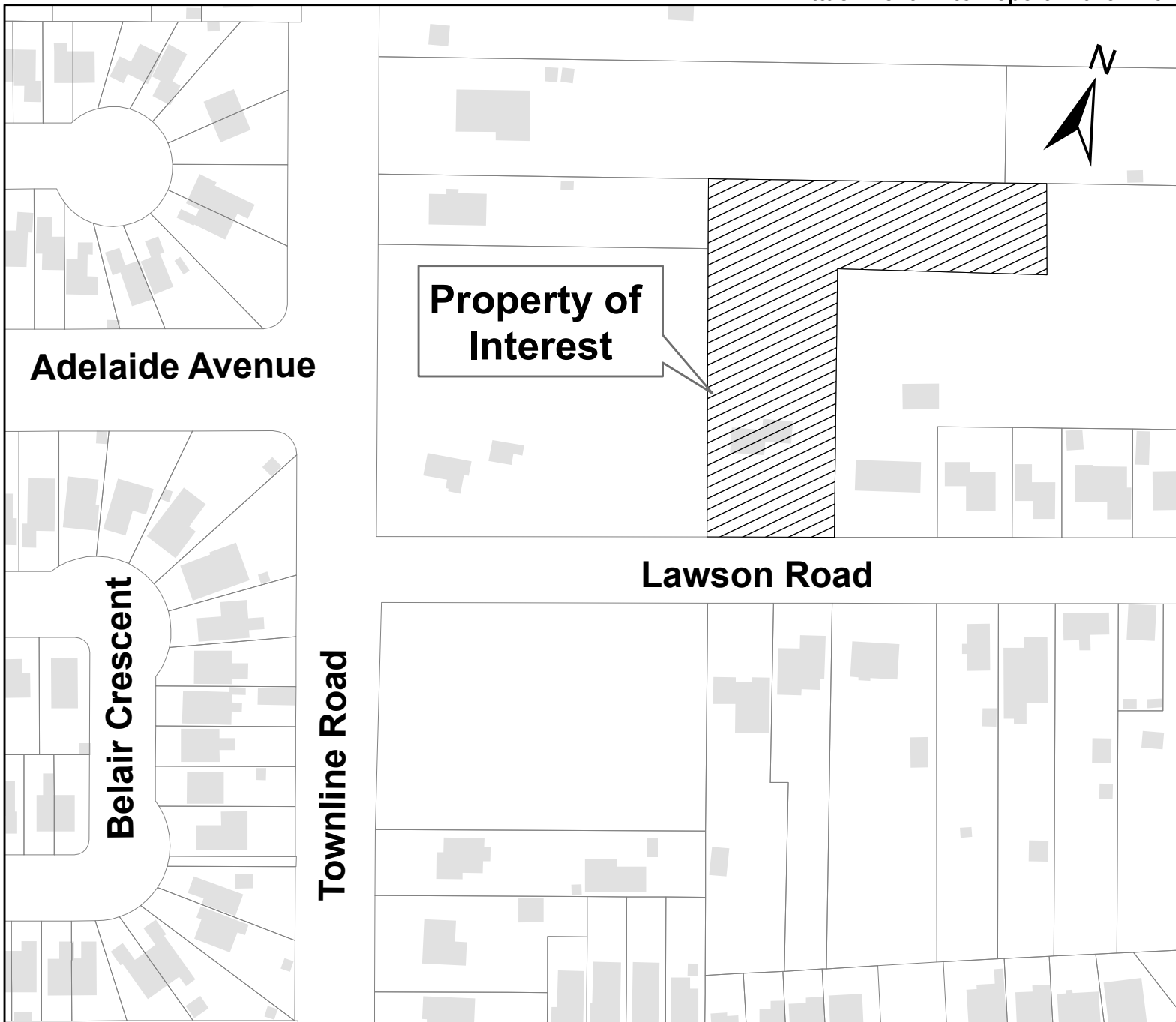
Susan Siopis, P.Eng.  
Commissioner of Works

Recommended for Presentation to Committee

**Original signed by:**

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Elaine C. Baxter-Trahair  
Chief Administrative Officer



**Attachment #1**

**Property of Interest  
 Adelaide Extension, Municipality of Clarington  
 18 Lawson Road, Courtice  
 Municipality of Clarington**



2015 ORTHOPHOTOGRAPHY provided by © First Base Solutions Inc.

GIS Data: Produced by Durham Region GIS Services, 2012.

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