

The Corporation of the City of Kawartha Lakes

Agenda

Regular Council Meeting

CC2019-31

Tuesday, December 10, 2019

Open Session Commencing at 10:00 a.m.

Council Chambers

City Hall

26 Francis Street, Lindsay, Ontario K9V 5R8

Members:

Mayor Andy Letham

Deputy Mayor Doug Elmslie

Councillor Ron Ashmore

Councillor Pat Dunn

Councillor Patrick O'Reilly

Councillor Tracy Richardson

Councillor Kathleen Seymour-Fagan

Councillor Andrew Veale

Councillor Emmett Yeo

Accessible formats and communication supports are available upon request. The City of Kawartha Lakes is committed to accessibility for persons with disabilities. Please contact AgendaItems@kawarthalakes.ca if you have an accessible accommodation request.

1. **Call to Order**
2. **Opening Ceremonies**
 - 2.1 O Canada
 - 2.2 Moment of Silent Reflection
 - 2.3 Adoption of Open Session Agenda
3. **Disclosure of Pecuniary Interest**
4. **Notices and Information by Members of Council and Staff**
 - 4.1 Council
 - 4.2 Staff
5. **2019 Deputy Mayor Report**
6. **2020 Deputy Mayor Election**

Presiding Officer - Cathie Ritchie, City Clerk

 - 6.1 CC2019-31.6.1
Call for Nominations for Deputy Mayor
That _____ be nominated as Deputy Mayor for the City of Kawartha Lakes

Second and Final Call for Nominations for Deputy Mayor.

Motion to Close Nominations for Deputy Mayor.

That nominations for the election of Deputy Mayor be closed.
 - 6.2 CC2019-31.6.2
Appointment of Scrutineer (in the case of an election)
That _____ be appointed scrutineer.
 - 6.3 CC2019-31.6.3
Recess to Conduct Voting (in the case of an election)

- 6.4 CC2019-31.6.4
Return to Council Session
- 6.5 CC2019-31.6.5
Deputy Mayor Election Results Declared
- 6.6 CC2019-31.6.6
Motion to Authorize the Destruction of the Ballots (in the case of an election)
That Council authorize the destruction of the ballots for the election of Deputy Mayor.
- 6.7 CC2019-31.6.7
Introductory Remarks from the Deputy Mayor Elect
7. **CC2019-31.7**
Launch of the 2020-2023 Strategic Plan
Ron Taylor, CAO
Brenda Stonehouse, Strategy and Performance Specialist
8. **CC2019-31.8**
Launch of Procedural By-law and Code of Conduct Review
Cathie Ritchie, City Clerk
9. **Closed Session**
- 9.1 Adoption of Closed Session Agenda
- 9.2 Disclosure of Pecuniary Interest in Closed Session Items
- 9.3 Move Into Closed Session
- 9.3.1 CC2019-31.9.3.1
Closed Session Minutes, Regular Council Meeting of November 19, 2019
Municipal Act, 2001 s.239(2)(b)(c)(d)(h)

- 9.3.2 CLK2019-013
- Appointments to the Kawartha Lakes Accessibility Advisory Committee (AAC) 2020**
Municipal Act, 2001 s.239(2)(b) Personal Matter About Identifiable Individuals
Barbara Condie, Accessibility Coordinator
Cathie Ritchie, City Clerk
- 9.3.3 WM2019-013
- Member Recruitment to the Fenelon Landfill Public Review Committee**
Municipal Act, 2001 s.239(2)(b) Personal Matters About an Identifiable Individual, including Municipal or Local Board Employees
Nikki Payne, Waste Technician II
Bryan Robinson, Director of Public Works
- 9.3.4 PLAN2019-075
- Member Appointments to the City of Kawartha Lakes Environmental Advisory Committee (CLEAC)**
Municipal Act, 2001 s.239(2)(b) Personal Matters About an Identifiable Individual, including Municipal or Local Board Employees
Richard Holy, Manager of Planning
Chris Marshall, Director of Development Services
- 9.3.5 WWW2019-013
- Operations and Maintenance of City Owned Facilities**
Municipal Act, 2001, s.239(2)(d) - Labour Relations or Employee Negotiations
Amber Hayer, Supervisor, Water and Wastewater Operations
Bryan Robinson, Director of Public Works
- 9.3.6 LGL2019-005
- Omemeew Sewage Treatment – Large Subsurface Biosolids Disposal System Court File Numbers 0084/16-00A1 and CV-17-574831-A1**
Municipal Act, 2001 s.239(2)(e) Litigation Affecting the Municipality; and Municipal Act, 2001 s.239(2)(f) Solicitor-Client Privilege
Robyn Carlson, City Solicitor

- 9.3.7 LGL2019-004
- Local Planning Appeal Tribunal – Case PL120217 – City of Kawartha Lakes Official Plan 2012 and Secondary Plans**
Municipal Act, 2001 s.239(2)(e) Litigation Affecting the Municipality; and
Municipal Act, 2001 s.239(2)(f) Solicitor-Client Privilege
 Robyn Carlson, City Solicitor
- 9.3.8 CORP2019-033
- CUPE Local 855 Bargaining Mandate – Verbal Report**
Municipal Act, 2001, s.239(2)(d) Labour Negotiations or Employee
Negotiations
 Liana Paterson, Manager of Human Resources
 Jennifer Stover, Director of Corporate Services
10. **Matters from Closed Session**
11. **Council Minutes** 25 - 63
- Special Council Meeting Minutes - November 13, 2019**
Regular Council Meeting Minutes - November 19, 2019
Special Council Meeting Minutes - November 26, 2019
12. **Deputations**
13. **Planning Advisory Committee**
- 13.1 Correspondence Regarding Planning Advisory Committee Recommendations
- 13.2 Planning Advisory Committee Minutes - December 4, 2019 (PC2019-12)
- Note: To be Circulated with the Amended Agenda
- That** the Minutes of the December 4, 2019 Planning Advisory Committee Meetings be received and the recommendations, included in Section 13.3 of the Agenda, be adopted.
- 13.3 Business Arising from Planning Advisory Committee Minutes of December 4, 2019 (PC2019-12)
- 13.3.1 PAC2019-
- That** the deputation of Bryce Jordan, GHD (on behalf of 257532 Ontario Inc.), regarding Report PLAN2019-067, be received.

13.3.2

PAC2019-

That the deputation of Michael Fry, D.G. Biddle and Associates Ltd., regarding PLAN2019-072, be received.

13.3.3

PAC2019-

That the deputation of Michael Testaguzza, Biglieri Group, regarding PLAN2019-072, be received.

13.3.4

PAC2019-

That Report PLAN2019-067, **Part of Lot 24, Concession 5, geographic Township of Ops and Part of Lot 3 and Block X, Plan 1, former Town of Lindsay, Applications D01-2019-001, D04-2019-001, D05-2019-001 and D06-2019-007** be received;

That a By-law to implement the proposed Official Plan Amendment, substantially in the form attached as Appendix C to Report Plan 2019-067, be referred to Council for approval and adoption;

That the Zoning By-law Amendment, D06-2019-007, be referred back to staff for further review;

That the Draft Plan of Subdivision (16T-19501), D05-2019-001, as shown on Appendix D and the conditions substantially in the form attached as Appendix E to Report Plan 2019-067, be referred to Council for approval and adoption;

That the Draft Plan of Common Element Condominium (16CD-19501), D04-2019-001, as shown on Appendix F and the conditions substantially in the form attached as Appendix G to Report Plan 2019-067, be referred to Council for approval and adoption;

That Council having considered the changes to the revised Draft Plan of Subdivision and Draft Plan of Common Element Condominium deems no further public notice to be necessary; and

That the Mayor and Clerk be authorized to execute any documents required by the approval of these applications.

13.3.5

PAC2019-

That Report PLAN2019-072, **Concession 4, Part of Lot 22, geographic Township of Ops; 57R-6839, Parts 1, 2 and 6 to 20, and Part of Parts 3 to 5, Former Town of Lindsay, Lindsay 2017 Developments Inc. – Applications D01-2018-005, D06-2018-026 and D05-2018-004**, be received;

That a By-law to implement the proposed Official Plan Amendment, substantially in the form attached as Appendix C to Report PLAN2019-072, be referred to Council for adoption;

That the zoning by-law amendment, substantially in the form attached as Appendix D and as amended, to Report PLAN2019-072, including additional exemptions to sections 8.2 (h) and 9.2 (i), be referred to Council for approval and adoption;

That the Draft Plan of Subdivision (16T-18501), Application D05-2018-004, as shown on Appendix B and the conditions substantially in the form attached as Appendix E to Report PLAN2019-072, as amended, be approved and adopted by Council;

That in accordance with Section 34(17) of the Planning Act, Council having considered the changes to the proposed Zoning By-law Amendment deems no further public notice to be necessary; and

That the Mayor and Clerk be authorized to execute any documents required by the approval of these applications.

13.3.6

PAC2019-

That Report PLAN2019-073, **405 St. David Street Investments Inc. (Riverview Estates - Phase 2), Subdivision Agreement**, be received;

That the Subdivision Agreement for 405 St. David Street Investments Inc., City of Kawartha Lakes, substantially in the form attached as Appendix C to Report PLAN2019-073 be approved by Council;

That the recommended payment of Development Charges, as outlined in the draft subdivision agreement contained in Appendix C to Report PLAN2019-073, be received and approved by Council; and

That the Mayor and Clerk be authorized to execute any documents and agreements required by the approval of this Agreement.

13.4

Items Extracted from Planning Advisory Committee Minutes of December 4, 2019 (PC2019-12)

13.5 Planning Advisory Committee Minutes of December 4, 2019 (PC2019-13)

Note: To be Circulated with the Amended Agenda

13.6 Business Arising from Planning Advisory Committee Minutes - December 4, 2019 (PC2019-13)

13.6.1 PAC2019-

That Report PLAN2019-066, respecting **Part Lot 7 and 8, Concession 9, Part 1 on RP57R2522, geographic Township of Somerville, and identified as 466 Pinery Road; Application No. D06-2019-036**, be received;

That a Zoning By-law Amendment respecting application D06-2019-036, substantially in the form attached as Appendix F to Report PLAN2019-066, be approved and adopted by Council; and

That the Mayor and Clerk be authorized to execute any documents and agreements required by the approval of this application.

13.6.2 PAC2019-

That Report PLAN2019-068, respecting **Part Lot 21, Concession 4, Part 1, 57R-7657, former Town of Lindsay, 2645286 Ontario Inc. (Fieldgate Commercial) – Applications D01-2019-005 and D06-2019-035**, be received; and

That Report PLAN2019-068 respecting Applications D01-2019-005 and D06-2019-035 be referred back to staff to address issues raised through the public consultation process and for further review and processing until such time that all comments have been received from all circulated agencies and City departments, and that any comments and concerns have been addressed.

13.6.3

PAC2019-

That Report PLAN2019-069, respecting Plan 100, Lots 124 to 126, former Village of Fenelon Falls, City of Kawartha Lakes, identified as 106 Murray Street, Kawartha Lakes Haliburton Housing Corporation – D06-2019-032, be received;

That a Zoning By-law Amendment respecting application D06-2019-032, substantially in the form attached as Appendix D to Report PLAN2019-069, be approved and adopted by Council; and

That the Mayor and Clerk be authorized to execute any documents required by the approval of this application.

13.6.4

PAC2019-

That Report PLAN2019-070, respecting Part Lot 22, Concession 7, geographic Township of Ops, City of Kawartha Lakes, identified as 396 Highway 36 – Planning Files D01-2019-002 and D06-2019-023, be received;

That an Official Plan Amendment respecting application D01-2019-002, substantially in the form attached as Appendix D to Report PLAN2019-070, be approved and adopted by Council;

That a Zoning By-law Amendment respecting application D06-2019-033, substantially in the form attached as Appendix E to Report PLAN2019-070, be approved and adopted by Council; and

That the Mayor and Clerk be authorized to execute any documents and agreements required by the approval of this application.

13.6.5

PAC2019-

That Report PLAN2019-071, respecting Part Lot 10, Concession 3, Behind Plan 145, Lots 7 and 8, geographic Township of Verulam, City of Kawartha Lakes, identified as land behind 19 and 21 Kenhill Beach Road – Planning File D06-2019-033, be received;

That a Zoning By-law Amendment respecting application D06-2019-033, substantially in the form attached as Appendix D to Report PLAN2019-071, be approved and adopted by Council; and

That the Mayor and Clerk be authorized to execute any documents and agreements required by the approval of this application.

13.6.6

PAC2019-

That Report PLAN2019-074, **respecting Part Lot 31, Concession 11, geographic Township of Fenelon, Application D06-2019-034**, be received;

That a Zoning By-law, respecting application D06-2019-034, substantially in the form attached as Appendix D to Report PLAN2019-074 be approved and adopted by Council; and

That the Mayor and Clerk be authorized to execute any documents and agreements required by the approval of this application.

13.6.7

PAC2019-

That the deputation of Leigh Mugford, Resource Manager, James Dick Construction Ltd., regarding PLAN2019-062, be received.

13.6.8

PAC2019-

That Report PLAN2019-062, **an application to amend the Township of Eldon Zoning By-law 94-14**, be received;

That application D06-2019-004, respecting a proposed Amendment to the Township of Eldon Zoning By-law to permit an explosive storage facility substantially in the form attached as Appendix 'E' to Report PLAN 2019-062 be approved and adopted by Council;

That in accordance with Section 34(17) of the Planning Act, Council having considered the change to the proposed Zoning By-law Amendment to include the use of the Holding (H) symbol with a condition for its removal that the development of an explosives storage facility be subject to site plan control, deems no further public notice to be necessary; and

That the Mayor and Clerk be authorized to execute any documents and agreements required by the approval of these applications.

13.6.9

PAC2019-

That Report ENG2019-0, **Assumption of Liam Street, Newton Avenue, and Half of Maloney Street, Lindsay**, be received;

That the Assumption of Liam Street, Newton Avenue, and Half of Maloney Street, Springdale Gardens Subdivision – Phase 2, Geographic Town of Lindsay, City of Kawartha Lakes, be approved;

That an Assumption By-Law, including requisite road dedication, substantially in the form attached as Appendix 'A' to Report ENG2019-024 be approved and adopted by Council; and

That the Mayor and City Clerk be authorized to execute any documents and agreements required by the approval of this application.

13.7

Items Extracted from Planning Advisory Committee Minutes of December 4, 2019 (PC2019-13)

14.

Consent Matters

That all of the proposed resolutions shown in Section 14.1 and 14.2 of the Agenda be approved and adopted by Council in the order that they appear on the agenda and sequentially numbered.

14.1

Reports

14.1.1

EA2019-018

64 - 442

Development Charges Background Study, By-Law and Assistance Policy

Adam Found, Manager of Corporate Assets

That Report EA2019-018, **Development Charges Background Study, By-Law and Assistance Policy**, be received;

That the Development Charges Background Study and its addendum, attached as Appendix A to Report EA2019-018, be adopted;

That the Development Charges By-Law, attached as Appendix B to Report EA2019-018, be forwarded to Council for enactment and be numbered upon enactment;

That the Development Charges Assistance Policy, attached as Appendix C to Report EA2019-018, be adopted and be numbered upon adoption;

That for the purpose of subsection 12(3) of the Development Charges Act, it is determined that no further public meetings on the above-noted documents are required;

That for the purpose of paragraph 3 of subsection 5(1) of the Development Charges Act, it is the intention of Council to ensure the increase in the need for services attributable to anticipated development will be met and that the committed and future excess capacity identified in the Development Charges Background Study are funded by development charges or other similar charges;

That the growth-related capital forecast in the Development Charges Background Study be reflected by future asset management plans, long-term financial plans, budgets and similar strategic documents; and

That for the purpose of paragraph 3 of subsection 5(6) of the Development Charges Act, future operating budgets include annual transfers to the DC reserve to correct the balance of that reserve for shortfalls resulting from development charges exemptions and any other similar cause.

14.1.2

CS2019-016

443 - 448

Bobcaygeon Legacy C.H.E.S.T. Fund 2020 Allocation

LeAnn Donnelly, Executive Assistant, Community Services

That Report CS2019-016, **Bobcaygeon Legacy C.H.E.S.T. Fund 2020 Allocation**, be received;

That \$31,212.00 representing the amount lost due to an interest calculation error and \$21,535.00 representing the loss of interest from September 1, 2019 – December 31, 2019 due to Treasury request to disburse actual interest available to date be withdrawn from the principal fund to be available for disbursement in 2020 or as required in future years;

That total funding in the amount of \$52,557.00 be provided, with the allocation to come from the Bobcaygeon Legacy C.H.E.S.T. Fund Reserve (3.24320), for the projects as approved by the Bobcaygeon Legacy C.H.E.S.T. Fund Grant Committee at its meeting of October 29, 2019 as follows:

Bobcaygeon Skating Club	\$ 2,068.00
Ontario Open Fiddle and Step	\$ 2,531.00
Bobcaygeon Music Council	\$ 9,000.00
Bobcaygeon Canada Day Committee	\$13,900.00
Bobcaygeon Chamber of Commerce	\$ 4,500.00
Globus Theater	\$ 8,958.00
Impact 32 – Beautify Our Bobcaygeon	\$11,600.00

That \$4,785.63 (10% of interest earned from January 1 to August 31, 2019) be retained in the principle of the Bobcaygeon Legacy C.H.E.S.T. Fund Reserve (3.24320) for inflationary growth of the fund; and

That the balance of \$12,773.82 of interest not distributed through the 2020 allocation be made available for funding disbursement in a future year.

14.1.3

CS2019-017

449 - 453

Lindsay Legacy C.H.E.S.T. Fund 2020 Allocation

LeAnn Donnelly, Executive Assistant, Community Services

That Report CS2019-017, Lindsay Legacy C.H.E.S.T. Fund 2020

Allocation, be received;

That total funding in the amount of \$266,583.90 be provided for the projects as approved by the Lindsay Legacy C.H.E.S.T. Fund Grant Committee at its meeting of November 13, 2019, with the allocation to come from the Lindsay Legacy C.H.E.S.T. Fund Reserve (3.24310), as follows:

John Howards Society	\$10,000.00
Kawartha Lakes Food Source	\$9,560.00
United Way	\$10,000.00
Lindsay Agricultural Society	\$100,000.00
Kawartha Cycling Club	\$17,791.88
Kawartha Art Gallery	\$10,819.75
Boys and Girls Clubs of Kawartha Lakes	\$48,561.49
Victoria County Historical Society	\$59,850.78

; and

That the remaining amount of \$60,320.29 of interest earned in 2019 be retained in the principle of the Lindsay Legacy C.H.E.S.T. Fund Reserve (3.24310) for inflationary growth of the fund.

14.1.4

CORP2019-029

454 - 461

Reserve Transfers

Carolyn Daynes, Treasurer

That Report CORP2019-029, **2019 Reserve Transfers**, be received;

That a reserve called “Norland Dam Reserve” be created;

That the monies received from the license agreement in relation to the Norland Dam for 2018 (\$7,725), 2019 (\$7,956.70) and all future years be put to this newly created reserve to be used for community projects in Norland;

That the surplus money from the Eastern Ontario Regional Network’s(EORN) cell project of \$81,072.27 be transferred to the Contingency Reserve committed to the EORN project;

That a reserve called “Capital Contingency Reserve” be created, and that all monies utilized for surplus and deficits of capital projects (approximately \$3.3Million) be transferred there and that the current Capital Reserve (1.32045) be used for the financial plan dollars to fund future Tax Levy Capital Budgets; and

That the 2019 surplus in the Community Service Special Projects for 322 Kent Street Relocation and the 12 Peel Street Staging Space be transferred to the Contingency Reserve and committed to these projects. The funding will be brought out in 2020 in order for these operating projects to be completed.

14.1.5

PUR2019-045

462 - 464

Delegation of Authority- 2019-104-CQ Downtown Reconstruction Phase II – Kent St. and Lindsay St.

Launa Macey, Supervisor of Financial Services

That Report PUR2019-045, **Delegation of Authority**, be received;

THAT if the quotation submissions are irregular, Council’s authority pursuant to the Purchasing By-Law be delegated for the award of 2019-104-CQ Downtown Reconstruction Phase II – Kent St. and Lindsay St. to the CAO;

THAT an information report be brought back to Council confirming the award of 2019-104-CQ Downtown Reconstruction Phase II – Kent St. and Lindsay St.;

THAT the Mayor and Clerk be authorized to sign the agreement; and

THAT Purchasing be authorized to issue the purchase order.

14.1.6	<p>ENG2019-025</p> <p>Webster Municipal Drain Revised Report Michael Farquhar, Supervisor of Technical Services, Engineering and Corporate Assets</p> <p>That Report ENG2019-025, Webster Municipal Drain Revised Report, be received;</p> <p>That Council approve the Revised Webster Municipal Drain report based on the Recommendations from the Court of Revision;</p> <p>That Council approve the amendments to By-Law 2019-110 based on the Court of Revision Recommendations; and,</p> <p>That Council proceed with the third and final reading and subsequent adoption of By-law 2019-110 inclusive of the amendments from the Court of Revision.</p>	465 - 526
14.1.7	<p>ENG2019-026</p> <p>Request for Section 65(3) Sandringham Drain Michael Farquhar, Supervisor of Technical Services, Engineering and Corporate Assets</p> <p>That Report ENG2019-026, Request for a Section 65(3) Assessment - Sandringham Drain, be received;</p> <p>That the Engineering and Corporate Assets Department initiates proceedings under the provisions of Section 65(3) of the Drainage Act, R.S.O. 1990, c. D.17;</p> <p>That the City Clerk be instructed to advise an engineer in writing to inspect the land and assess it for a just proportion of the drainage works, taking into account any compensation paid to the owner of the land in respect of the drainage works as per section 65(3) of the Drainage Act, R.S.O. 1990, c. D.17; and</p> <p>That Council appoint R. Dobbin Engineering Inc. as the engineer for the requested Section 65(3) assessment.</p>	527 - 537
14.1.8	<p>ENG2019-027</p> <p>Request For Speed Reduction – Centreline Road Joseph Kelly, Senior Engineering Tech</p>	538 - 544

THAT Report ENG2019-027 **Request for Speed Reduction– Centreline Road** be received;

THAT curve warning signs be updated at the identified location; and

THAT no passing line painting be extended at the identified location.

14.1.9

WWW2019-011

545 - 597

By-law Amendments for Mandatory Connection

Amber Hayter, Supervisor, Water and Wastewater Operations

That Report WWW2019-011, **By-law Amendments for Mandatory Connection**, be received;

That Section 2.05 of By-law 2014-255 be amended to read: “Any appeals or requests for exemptions from section 2.01, 2.02 and 2.03 of this By-law shall be forwarded to Council for consideration.”;

That Section 2.06 of By-law 2014-255 be amended to read: “Subject to section 2.01, 2.02 or 2.03 of this by-law any Owner of a building on land that meet the requirements to connect to the municipal water and/or wastewater services shall be billed the Mandatory Connect Fee – Water and/or Mandatory Connect Fee – Sewer as per the provisions of the By-law to Regulate Water and Wastewater Services in the City of Kawartha Lakes (By-law 2018-039, as amended) and the consolidated fees By-law 2018-234, as amended commencing January 1, 2020.”;

That Section 23.05(s) of By-law 2018-039 be amended to read: “The owner or occupier of each separately assessed parcel of land that fronts a watermain and is subject to the requirements of By-Law 2014-255 “Mandatory Connection By-Law” shall pay a Mandatory Connect Fee – Water as set forth in Schedule “A” of this By-Law, commencing January 1, 2020.”;

That Section 23.05(v) of By-law 2018-039 be amended to read: “The owner or occupier of each separately assessed parcel of land that fronts a sanitary sewer main and is subject to the requirements of By-Law 2014-255 “Mandatory Connect By-Law” shall pay a Mandatory Connect Fee – Sewer as set forth in Schedule “A” of this By-Law, commencing January 1, 2020.”;

That Section 24.00 High Water Bill Adjustment and Mandatory Service Connection Appeals Committee of By-Law 2018-039 be deleted in its entirety;

That Schedule “A” of By-Law 2018-039 “A By-Law to Regulate Water & Wastewater Services in the City of Kawartha Lakes” be replaced by “Schedule “A” 2019 Water and Wastewater Rates” substantially in the form as attached as Appendix ‘C’ to Report WWW2019-011; and

That the necessary amending By-laws be brought forward for adoption.

14.1.10

WWW2019-012

598 - 664

Drinking Water Quality Management System Review and Endorsement
Julie Henry, Quality Management and Policy Coordinator

That Report WWW2019-012, **Drinking Water Quality Management System Review and Endorsement**, be received;

That the City of Kawartha Lakes Water and Wastewater Quality Management System be endorsed by Council;

That the City of Kawartha Lakes Quality Management System Policy statements be adopted;

That the Ontario Clean Water Agency Quality Management System Policy statements be received and endorsed;

That the external surveillance audit report for the Water and Wastewater Division (as the accredited Operating Authority) be received;

That the external surveillance audit report for Ontario Clean Water Agency (as the Accredited Operating Authority) be received; and

That the Water and Wastewater Division Management Review summary be received.

14.2 Correspondence

14.2.1 CC2019-31.14.2.1

665 - 665

Memo - Appointment of a Member of Council to the City of Kawartha Lakes Committee of Adjustment and Fenelon Cemetery Board for 2020
Mayor Andy Letham

That the December 10th, 2019 memorandum from Mayor Letham regarding the **Committee of Adjustment and Fenelon Cemetery Board Council Appointments** be received;

That the appointments, for the Committee of Adjustment and the Fenelon Cemetery Board, commence on December 11th, 2019 and continue for one year until December 11th, 2020;

That Emmett Yeo continues the role of Council Representative on the Committee of Adjustment; and

That Doug Elmslie continues in the role of Council Representative on the Fenelon Cemetery Board.

14.3 Items Extracted from Consent

15. Petitions

16. Other or New Business

17. By-Laws

That the By-Laws shown in Section 17.1 of the Agenda, namely: Items 17.1.1 to and including 17.1.24 be read a first, second and third time, passed, numbered, signed and the corporate seal attached.

17.1 By-Laws by Consent

17.1.1 CC2019-31.17.1.1 666 - 668

A By-law to Authorize Borrowing from Time to Time to Meet Current Expenditures During the Fiscal Year ending December 31, 2020 in the City of Kawartha Lakes

17.1.2 CC2019.31.17.1.2 669 - 705

A By-law to Amend By-law 2018-234, being a By-Law to Establish and Require Payment of Fees for Information, Services, Activities and Use of City Property in The City of Kawartha Lakes (known as the Consolidated Fees By-law)

17.1.3 CC2019-31.17.1.3 706 - 708

A By-law to Stop Up and Close Part of the Road Allowance Legally Described as Part of the Road Allowance between Concession 3 and Concession 4, in the Geographic Township of Verulam, City of Kawartha as Parts 1-10 on Plan 57R10775 Being Part of PIN:63123-0413 (LT)

17.1.4 CC2019-31.17.1.4 709 - 710

A By-law to Repeal By-law 2019-086, being A By-law to Appoint a Municipal Law Enforcement Officer for Limited By-law Enforcement Purposes (D. Surowiec)

17.1.5 CC2019-31.17.1.5 711 - 712

A By-law to Repeal By-law 2017-192, being A By-law to Appoint a Municipal Law Enforcement Officer for the City of Kawartha Lakes (C. Tassone)

17.1.6 CC2019-31-17.1.6 713 - 714

A By-law to Repeal By-law 2017-193, being A By-law to Appoint a Weed Inspector for the City of Kawartha Lakes

17.1.7	CC2019-31.17.1.7	715 - 715
	A By-law to Repeal By-law 2013-182, being A By-law to Appoint a Municipal Law Enforcement Officer for the Purpose of Enforcing Licensing By-laws	
17.1.8	CC2019-31.17.1.8	716 - 717
	A By-law to Appoint a Municipal Law Enforcement Officer for the City of Kawartha Lakes for the Purpose of Enforcing Licensing By-laws (T. Montgomery)	
17.1.9	CC2019-31.17.1.9	718 - 719
	A By-law to Amend By-law 2014-255, being Mandatory Connection By-Law	
17.1.10	CC2019-31.17.1.10	720 - 721
	A By-law to Amend By-law 2018-039, being Water and Wastewater Services By-Law	
17.1.11	CC2019-31.17.1.11	722 - 726
	A By-law to Amend the Town of Lindsay Official Plan to Re-designate Land within the City of Kawartha Lakes (vacant land on Lindsay Street North - 2573532 Ontario Inc.)	
17.1.12	CC2019-31.17.1.12	727 - 733
	A By-law to Amend the Town of Lindsay Zoning By-law No. 2000-75 to Rezone Land within the City Of Kawartha Lakes (Lindsay 2017 Developments Inc.)	
17.1.13	CC2019-31.17.1.14	734 - 738
	A By-Law to Amend the Town of Lindsay Official Plan to Re-designate Land within the City of Kawartha Lakes (Lindsay 2017 Developments Inc.)	
17.1.14	CC2019-31.17.1.14	739 - 741
	A By-Law To Amend The Township of Somerville Zoning By-Law No. 78-45 To Rezone Land Within The City Of Kawartha Lakes (466 Pinery Road - Christianopoulos)	

17.1.15	CC2019-31.17.1.15	742 - 744
	A By-Law To Amend The Village of Fenelon Falls Zoning By-Law No. 89-25 To Rezone Land Within The City Of Kawartha Lakes (106 Murray Street - Kawartha Lakes Haliburton Housing Corporation)	
17.1.16	CC2019-31.17.1.16	745 - 747
	A By-Law To Amend The Township of Ops Zoning By-Law No. 93-30 To Rezone Land Within The City Of Kawartha Lakes (396 Highway 36 – Mike Redmond Septic Service Ltd.)	
17.1.17	CC2019-31.17.1.17	748 - 752
	A By-Law to Amend the City of Kawartha Lakes Official Plan to Re-designate Land within the City of Kawartha Lakes (396 Highway 36 - Mike Redmond Septic Service Ltd.)	
17.1.18	CC2019-31.17.1.18	753 - 755
	A By-Law To Amend The Township of Verulam Zoning By-Law Number 6-87 To Rezone Land Within The City Of Kawartha Lakes (land behind 19 and 21 Kenhill Beach Road - Lamanna and Hartley)	
17.1.19	CC2019-31.17.1.19	756 - 758
	A By-Law To Amend The Township of Fenelon Zoning By-Law No. 12-95 To Rezone Land Within The City Of Kawartha Lakes (467 Northline Road – Hughes)	
17.1.20	CC2019-31.17.1.20	759 - 761
	A By-Law To Amend The Township of Eldon Zoning By-Law No. 94-14 To Rezone Land Within The City Of Kawartha Lakes (vacant land Rohallion Road – 676249 Ontario Ltd)	

17.1.21	CC2019-31.17.1.21	762 - 764
	<p>A By-law to Assume Liam Street, Plan 383, (PIN:63205-0528) and Newton Avenue, Plan 383, (PIN: 63205-0536), previously dedicated and conveyed to the municipality upon the registration of Plan 383, and to Dedicate and Assume Maloney Street, Plan 383, (PINs: 63205-0855, 63205-0857, and 63205-0859) and associated 0.3 metre reserve (PIN: 63205-0856), and more specifically described as Parts 28, 31, 32, and 33, Plan 57R-9054, and Road Widening as part of Liam Street, Plan 383, (PINs: 63205-0841, 63205-0843, 63205-0845, 63205-0847, 63205-0849, 63205-0851, and 63205-0853), more specifically described as Parts 1 to 12, inclusive, Plan 57R-9889, Plan 383, and Road Widening as part of Angeline Street, (PINs: 63205-0861 and 63205-0864), more specifically described as Blocks A and B, respectively, Plan 383, and the associated 0.3 metre reserves, (PINs: 63250-0492 and 63205-0830), Plan 383, Geographic Township of Ops, The Corporation of the City of Kawartha Lakes</p>	
17.1.22	CC2019-31.17.1.22	765 - 783
	<p>A By-Law to Impose Development Charges in the City of Kawartha Lakes</p>	
17.1.23	CC2019-31.17.1.23	784 - 786
	<p>A By-law to Levy Interim Taxes for 2020 in the City of Kawartha Lakes</p>	
17.1.24	CC2019-31.17.1.24	787 - 788
	<p>A By-law to Amend By-law 2018-017, Being the City Lands Encroachment By-law for the City of Kawartha Lakes</p>	
17.2	By-Laws Extracted from Consent	
17.2.1	CC2019-31.17.2.1	789 - 790
	<p>A By-law to Appoint a Member of Council to the City of Kawartha Lakes Committee of Adjustment for 2020 and to Repeal By-law 2019-002</p>	
17.2.2	CC2019-31.17.2.2	791 - 818
	<p>A By-law to provide for Drainage Works in the City of Kawartha Lakes to be known as the Webster Municipal Drain</p>	
18.	Notice of Motion	

- 19. **Closed Session (If Not Completed within Item 9)**
- 20. **Matters from Closed Session**
- 21. **Confirming By-Law** 819 - 819
A By-law to Confirm the Proceedings of a Regular Meeting of Council,
Tuesday, December 10, 2019
- 22. **Adjournment**

The Corporation of the City of Kawartha Lakes
Minutes
Special Council Meeting

CC2019-27

Wednesday, November 13, 2019
Open Session Commencing at 7:00 p.m.
Fenelon Falls Community Centre
27 Veterans Way, Fenelon Falls, Ontario

Members:

Mayor Andy Letham
Deputy Mayor Doug Elmslie
Councillor Ron Ashmore
Councillor Pat Dunn
Councillor Patrick O'Reilly
Councillor Tracy Richardson
Councillor Kathleen Seymour-Fagan
Councillor Andrew Veale
Councillor Emmett Yeo

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1. Call to Order

Mayor Letham called the Meeting to order at 7:00 p.m. Deputy Mayor D. Elmslie and Councillors R. Ashmore, P. Dunn, P. O'Reilly, T. Richardson, K. Seymour-Fagan and A. Veale were in attendance.

Absent: Councillor E. Yeo

CAO R. Taylor, City Clerk C. Ritchie, Deputy Clerk A. Rooth, Directors C. Marshall, B. Robinson, J. Rojas, C. Shanks and J. Stover, Chief M. Pankhurst and Acting Chief A. Rafton were also in attendance.

2. Adoption of Agenda

CR2019-630

Moved By Deputy Mayor Elmslie

Seconded By Councillor Dunn

That the Agenda for the Open Session of the Special Council Meeting of Wednesday, November 13, 2019, be adopted as circulated.

Carried

3. Disclosure of Pecuniary Interest

There were no declarations of pecuniary interest disclosed.

4. Proposed 2020 Budget

The Mayor advised that the City's 2020 Budget process is currently underway and that today's meeting will start with a presentation that provides an overview of the Proposed 2020 Budget. Following the presentation, there will be an opportunity for members of the public to comment on the budget.

4.1 CC2019-27.4.1

Presentation - Proposed 2020 Budget

Ron Taylor, Chief Administrative Officer

Jennifer Stover, Director of Corporate Services

CAO Taylor and Director Stover delivered a presentation on the Proposed 2020 Budget.

CR2019-631

Moved By Councillor Veale

Seconded By Councillor Richardson

That the presentation by CAO Taylor and Director Stover regarding the **Proposed 2020 Budget**, be received.

Carried

4.2 CC2019-27.4.2

Public Comments - Proposed 2020 Budget

Bill Stettler of Lindsay expressed a need to move forward with developing an Active Transportation Master Plan, noting that transportation is a major source of pollution and greenhouse gases. He commended Council for taking the first steps toward this important initiative, noting that now is the time for further action.

Glenda Morris shared her support for an Active Transportation Master Plan, noting the importance of its integration with planning processes for the betterment of the community. She spoke to the value active transportation brings to a community and specifically to the health, environmental and socio-economic benefits of walkability. Ms. Morris encouraged Council to move forward with this initiative.

Jamie Morris encouraged Council to move forward with developing an Active Transportation Master Plan noting it is a key factor in managing environmental and climate change issues. He noted that significant funds are directed to support our roads infrastructure, and expressed the need to ensure active transportation is considered when undergoing road reconstruction. He called for strategic leadership, noting that an Active Transportation Master Plan is the first step.

Richard Fedy, Co-President of Environmental Action Bobcaygeon, advised that they have developed an Active Transportation Plan for Bobcaygeon and are in support of including an Active Transportation Master Plan for the City in the 2020 Budget. He noted that they have experienced overwhelming support from the community of Bobcaygeon and highlighted the importance of having the character of the community shape development.

Al MacPherson spoke in support of including an Active Transportation Master Plan in the 2020 budget. He highlighted the importance of walkability and connectivity to seniors, specifically in the Lindsay area and expressed the need

for strategic improvements to ensure standards and guidelines are established for developers to support a vision of connectivity. Mr. MacPherson encouraged Council to support this initiative and to be both practical and strategic in its implementation.

Chis Appleton stated that he supported the comments made by the previous speakers in regards to the need for an Active Transportation Master Plan. He further requested updates on specific budget issues of importance to the residents of Fenelon Falls, namely the importance of the downtown and options for bridge crossings and the public washrooms in Garnet Graham Park.

Art Hornibrook, President of the Kawartha Cycling Club, called for action in moving forward with an Active Transportation Master Plan to provide guidelines to the Planning and Engineering divisions of the City to ensure the inclusion of active transportation components in development and reconstruction. He noted that wider shoulders both support active transportation and enhance the life of roads. Mr. Hornibrook further noted that without an Active Transportation Master Plan in place, access to grant funding is limited.

Peter Petrosoniak, Member of the Board of Directors for the Green Trails Alliance, spoke to the need for an Active Transportation Master Plan, noting that the 2014 Provincial Policy Statement speaks to active transportation. He expressed a need for linkages within and between subdivisions, communities and towns.

Rob Ferguson advised that he is looking for opportunities within the City to relocate and highlighted the importance of walkability and connectivity when selecting a community in which to live, specifically where there is no need to drive. He further expressed the need for safe and signed cycling routes within the City.

Pete Sanderson of the Lindsay Optimist Club advised that he was in attendance to represent the voice of the youth. He advised that Wilson Fields in Lindsay receives kids for sports weekly and that they are primarily driven by parents. He noted that there is both a lack of parking and a lack of connectivity to allow for kids to walk to the location safely. He highlighted the importance to both youth and seniors of being able to get from place to place safely, without driving.

CR2019-632

Moved By Councillor Ashmore

Seconded By Councillor Veale

That the public comments regarding the **Proposed 2020 Budget**, be received.

Carried

4.3 CC2019-27.4.3

Written Public Submissions - Proposed 2020 Budget

Mayor Letham advised that the following written public submissions were received regarding the Proposed 2020 Budget:

October 26, 2019	Richard Fedy, Co-President John C. Bush, Co-President Environmental Action Bobcaygeon	Plan of Action for Walking and Cycling (Active Transportation Plan) for the City of Kawartha Lakes
October 30, 2019	Kathy Anderson	Active Transportation Master Plan
October 31, 2019	Art Hornibrook, President Kawartha Cycling Club	Active Transportation Master Plan
October 30, 2019	Dr. A. Lynn Noseworthy, Medical Officer of Health Haliburton, Kawartha, Pine Ridge District Health Unit	Active Transportation Master Plan
November 11, 2019	Grant Heer	2020 Budget
November 13, 2019	Peter Petrosioniak, Member of Board of Directors Green Trails Alliance	Active Transportation Master Plan

CR2019-633

Moved By Councillor Dunn

Seconded By Deputy Mayor Elmslie

That the written public submissions regarding the **Proposed 2020 Budget**, be received.

Carried

5. Reports

6. Closed Session

7. Matters from Closed Session

8. Confirming By-Law

8.1 By-law 2019-145

A By-Law to Confirm the Proceedings of a Special Meeting of Council,
Wednesday, November 13, 2019

CR2019-634

Moved By Councillor Veale

Seconded By Councillor O'Reilly

That a by-law to confirm the proceedings of a Special Council Meeting held
Wednesday, November 13, 2019 be read a first, second and third time, passed,
numbered, signed and the corporate seal attached.

Carried

9. Adjournment

CR2019-635

Moved By Councillor Dunn

Seconded By Deputy Mayor Elmslie

That the Council Meeting adjourn at 8:23 p.m.

Carried

Read and adopted this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

Minutes

Regular Council Meeting

CC2019-28

Tuesday, November 19, 2019

Open Session Commencing at 12:30 p.m.

Council Chambers

City Hall

26 Francis Street, Lindsay, Ontario K9V 5R8

Members:

Mayor Andy Letham

Deputy Mayor Doug Elmslie

Councillor Ron Ashmore

Councillor Pat Dunn

Councillor Patrick O'Reilly

Councillor Tracy Richardson

Councillor Kathleen Seymour-Fagan

Councillor Andrew Veale

Councillor Emmett Yeo

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1. Kawartha Lakes-Haliburton Housing Corporation Annual General Meeting

Timed Appointment 12:30 p.m.

The Kawartha Lakes-Haliburton Housing Corporation (KLHHC) held their Annual General Meeting.

2. Call to Order

Mayor Letham called the Meeting to order at 1:00 p.m. Deputy Mayor D. Elmslie and Councillors R. Ashmore, P. Dunn, P. O'Reilly, T. Richardson, K. Seymour-Fagan, A. Veale and E. Yeo were in attendance.

CAO R. Taylor, City Clerk C. Ritchie, Deputy Clerk A. Rooth, City Solicitor R. Carlson, Directors C. Marshall, B. Robinson, C. Shanks, J. Stover and R. Sutherland and Acting Chief A. Rafton were also in attendance.

3. Opening Ceremonies

3.1 O Canada

The Meeting was opened with the singing of 'O Canada'.

3.2 Moment of Silent Reflection

The Mayor asked those in attendance to observe a Moment of Silent Reflection.

3.3 Adoption of Open Session Agenda

CR2019-636

Moved By Councillor Seymour-Fagan

Seconded By Deputy Mayor Elmslie

That the Agenda for the Open Session of the Regular Council Meeting of Tuesday, November 19, 2019, be adopted as circulated and with the following amendment:

Item 5, being the Kawartha Lakes-Haliburton Housing Corporation (KLHHC) Annual General Meeting, be moved to Item 1 on the Agenda to be dealt with first.

Carried

4. Disclosure of Pecuniary Interest

There were no declarations of pecuniary interest disclosed.

5. Notices and Information by Members of Council and Staff

5.1 Council

Deputy Mayor Elmslie:

- Fenelon Falls Santa Day is on November 30th with events throughout the day from 10:00 a.m. to 7:00 p.m.

Councillor Ashmore:

- There will be an Omemee Downtown Revitalization Meeting on November 20th at 7:00 p.m. at Coronation Hall in Omemee.
- The Omemee Santa Claus Parade is on December 7th at 1:00 p.m.
- The Dunsford Santa Claus Parade is on December 15th at 2:00 p.m.

Councillor Yeo:

- The Coboconk Santa Claus Parade is on December 1st at 1:00 p.m.

Councillor Richardson:

- Cole's Journey Benefit Dance is on November 23rd from 8:00 p.m. to 1:00 a.m. at the Manvers Arena.
- The Janetville Craft Christmas is on November 24th from 10:00 a.m. to 3:00 p.m.
- The Pontypool Santa Breakfast is on December 1st from 9:00 a.m. to 11:30 a.m. at the Pontypool Community Centre.
- The Pontypool Santa Claus Parade is on December 1st at 6:00 p.m.
- There will be Breakfast with Santa on December 8th from 9:00 to 11:30 a.m. at the Janetville Hall and on December 14th from 8:00 to 11:00 a.m. at the Bethany United Church.
- St. Mary's Bridge, located south of Golf Course Road in Bethany, will be temporarily closed for infrastructure repair starting on November 27th.

Councillor O'Reilly:

- The 10th Annual Jolly Jog for A Place Called Home and Kawartha Lakes Food Source is on November 23rd.
- The Annual Kinsmen Toy Drive is underway.

- Kawartha Lakes Police Chief Mark Mitchell recently received the Order of Merit.
- A meeting on the 2020 International Plowing Match will be held on November 20th at 7:30 p.m. at the Fenelon Falls Community Centre.
- Kawartha Lakes Firefighters will be at Loblaws on November 30th from 10:30 a.m. to 2:30 p.m. to collect donations for the Kawartha Lakes Food Source.
- Various local events held recently were a great success including; the Lindsay Santa Clause Parade, Remembrance Day Ceremonies, the Tree Lighting and the Annual Dream Ball in support of the Kawartha-Haliburton Children's Foundation.

Councillor Seymour Fagan:

- A public information session on the reconstruction of Canal Street in Bobcaygeon will be held November 21st from 4:00 to 6:00 p.m. at the Bobcaygeon Municipal Service Centre.
- The Mingle and Jingle event in Bobcaygeon is on November 23rd from 12:00 to 8:00 p.m.
- The Bobcaygeon Santa Claus Parade is on December 7th at 5:00 p.m.
- The Kinmount Christmas in the Village event is on December 7th featuring a Pancake Breakfast, Farmer's Market and wagon rides.
- A Christmas Music Night with the Leahy Family will be on December 7th at 7:00 p.m. at the Galway Hall.

5.2 Staff

Acting Chief of Paramedic Service A. Rafton announced that the Lindsay and District Ministerial is hosting a First Responders Appreciation Event on November 24th at the Lindsay Exhibition from 3:00 to 4:00 p.m. for First Responders, their families and the community.

6. Council Minutes

CR2019-637

Moved By Deputy Mayor Elmslie

Seconded By Councillor Seymour-Fagan

That the Minutes of the following Council Meetings, be received and adopted:

Regular Council Meeting Minutes - October 22, 2019

Special Council Meeting Minutes - October 29, 2019

Special Council Meeting Minutes - November 5, 2019.

Carried

6.1 CC2019-28.6.1

Regular Council Meeting Minutes - October 22, 2019

6.2 CC2019-28.6.2

Special Council Meeting Minutes - October 29, 2019

6.3 CC2019-28.6.3

Special Council Meeting Minutes - November 5, 2019

7. Deputations

8. Presentations

9. Committee of the Whole

9.1 Correspondence Regarding Committee of the Whole Recommendations

9.2 Committee of the Whole Minutes

Committee of the Whole Minutes - November 5, 2019

The following Items were extracted from the Consent Agenda:

Item 9.3.6 - Councillor Dunn

Item 9.3.8 - Councillor Ashmore

Item 9.3.17 - Mayor Letham and Councillor Ashmore

CR2019-638

Moved By Councillor Ashmore

Seconded By Councillor O'Reilly

That the Minutes of the November 5, 2019 Committee of the Whole Meeting be received and the recommendations, included in Section 9.3 of the Agenda, be adopted, save and except Items 9.3.6, 9.3.8 and 9.3.17.

Carried

9.3 Business Arising from Committee of the Whole Minutes

Carried

9.3.1 CW2019-197

That the deputation of Deborah Pearson, on behalf of the Kawartha Lakes Environmental Advisory Committee (KLEAC), regarding **Ban of Plastic Bags in City of Kawartha Lakes**, be received.

Carried

9.3.2 CW2019-198

That the deputation of Steve McCullough regarding **Ban of Plastic Bags in City of Kawartha Lakes**, be received.

Carried

9.3.3 CW2019-199

That the deputation of Afe Helleman regarding **Affordable Housing for Seniors**, be received and referred to staff to work with the proponent to bring forward options for an affordable housing development in Coboconk by end of Q2 2020.

Carried

9.3.4 CW2019-200

That the deputation of Kim Van Demark and Ronnda Singer-Robinson regarding **By-law Revisions to Allow for Backyard Chickens**, be received;

That the correspondence and petition submitted in support of a by-law amendment to allow for backyard chickens, be received; and

That the matter be referred to staff to bring forward options to allow backyard chickens by the end of Q3 2020.

Carried

9.3.5 CW2019-201

That the deputation of Harry Leung regarding **Request to Waive Dumping Fees for Plastics**, be received; and

That upon completion of the transfer of the plastic waste to the landfill and collection of related receipts, a request to waive the landfill fees may be brought forward to Council for consideration.

Carried

9.3.7 CW2019-203

That the presentation by Agriculture and Development Officer Kelly Maloney and Bronwynne Wilton of Wilton Group regarding the **Kawartha Lakes Agriculture and Food Action Plan 2020-2024 Presentation**, be received.

Carried

9.3.9 CW2019-205

That the presentation by Laurie McCarthy, Economic Development Officer - Tourism, regarding a **Tourism Strategy Update**, be received.

Carried

9.3.10 CW2019-206

That Report ED2019-026, **Tourism Strategy Update**, be received for information.

Carried

9.3.11 CW2019-207

That the presentation by Emily Turner, Economic Development Officer - Heritage Planning, regarding a **Heritage Planning Update**, be received.

Carried

9.3.12 CW2019-208

That Report ED2019-022, **Listing Properties on the Heritage Register**, be received; and

That the proposed listing of non-designated properties listed in Appendix A to Report ED2019-022 be approved.

Carried

9.3.13 CW2019-209

That Report ED2019-023, **Delegated Authority for Alterations to Heritage Properties By-law**, be received; and

That the necessary by-law be forwarded to Council for consideration at the next Regular Council Meeting.

Carried

9.3.14 CW2019-210

That the presentation by Director Sutherland regarding the **2020-2029 Housing and Homelessness Plan**, be received.

Carried

9.3.15 CW2019-211

That Report CORP2019-028, **Affordable Housing Targets - Financial Analysis**, be received for information purposes.

Carried

9.3.16 CW2019-213

That Report ED2019-025, **2019 Million Dollar Makeover Funding Allocation, 2nd Intake**, be received.

Carried

9.3.18 CW2019-216

That Report TR2019-005, **Disbanding of the Transit Advisory Committee**, be received;

That the Transit Advisory Committee be disbanded and the related Terms of Reference rescinded; and

That Transit Staff work with Transportation Working Group of the Kawartha Lakes Accessibility Advisory Committee.

Carried

9.3.19 CW2019-217

That the memo dated November 5, 2019 regarding Ambulance Offload Considerations be received; and

That Paramedic Service continue to implement the current relief initiatives.

Carried

9.3.20 CW2019-218

That the October 22, 2019 correspondence from Dan Marinigh, CAO/Secretary-Treasurer for Otonabee Conservation, regarding the Notice of Requirement for Council Resolution Related to Proposed Amendments to the Trent Source Protection Plan and Assessment Report, be received;

That the proposed amendments to the Trent Source Protection Plan and Assessment Report as per Section 34 of the Clean Water Act, resulting from recent upgrades to the Pinewood Municipal Drinking Water System, be endorsed; and

That the commencement of the public consultation process, be authorized.

Carried

9.4 Items Extracted from Committee of the Whole Minutes

9.3.6 CW2019-202

A recorded vote was requested by Councillor Dunn.

Moved By Councillor Dunn

Seconded By Councillor Yeo

That the deputation from Raymonde Blais Couture regarding **Winter Maintenance on McGuire Beach Road**, be received;

That the November 5, 2019 correspondence from Raymonde Blais Couture, President of McGuire's Beach Property Owners Association, regarding a request for winter service for McGuire Beach Road, be received; and

That the City provide winter service to the unassumed portion of McGuire Beach Road for the 2019-2020 winter season.

Recorded	For	Against	Absent
Mayor Letham		X	
Deputy Mayor Elmslie	X		
Councillor Ashmore	X		
Councillor Dunn	X		
Councillor O'Reilly		X	
Councillor Richardson		X	
Councillor Seymour-Fagan		X	
Councillor Veale		X	
Councillor Yeo	X		
Results	4	5	0

Motion Failed

CR2019-639

Moved By Councillor Seymour-Fagan

Seconded By Councillor Richardson

That the deputation from Raymonde Blais Couture regarding **Winter Maintenance on McGuire Beach Road**, be received; and

That the November 5, 2019 correspondence from Raymonde Blais Couture, President of McGuire's Beach Property Owners Association, regarding a request for winter service for McGuire Beach Road, be received.

Carried

9.3.8 CW2019-204

CR2019-640

Moved By Councillor Ashmore

Seconded By Councillor O'Reilly

That Report ED2019-019, **Kawartha Lakes Agriculture and Food Action Plan 2020-2024**, be received;

That the Kawartha Lakes Agriculture and Food Action Plan 2020-2024 be endorsed;

That in the first quarter of 2020 staff provide Council with an implementation plan detailing community partnership support and providing options for resourcing of identified municipal activities through future budgets; and

That the implementation plan identify the top 10 prioritized, actionable items.

Carried

9.3.17 CW2019-215

CR2019-641

Moved By Councillor Yeo

Seconded By Deputy Mayor Elmslie

That Report WM2019-012, **Making Waste Matter: Integrated Waste Management Strategy Update**, be received;

That Council approves the integrated waste management strategy update for implementation with the following accelerated amendments;

That an immediate focus be placed on public education;

That an immediate enhanced online presence be implemented regarding recycling;

That a \$10/ton increase to the tipping fees be implemented in January 2020 and the increase in revenue be used to offset additional operating costs to enhance diversion; and

That the by-law for allowable recyclables in waste be amended to reduce the amount from 20% to 10% starting in early 2020.

Carried

CR2019-642

Moved By Councillor Ashmore

Seconded By Councillor Yeo

That staff be directed to initiate communications with the Durham York Energy Centre regarding future waste diversion opportunities.

Carried

9.4.1 CW2019-212

CR2019-643

Moved By Councillor Seymour-Fagan

Seconded By Councillor O'Reilly

That Report HH2019-010, **2020-2029 Housing and Homelessness Plan**, be received;

That 2020-2029 Housing and Homelessness Plan be amended to endorse the Moving Forward housing target model;

That the 2020-2029 Housing and Homelessness Plan, included as Appendix A to Report HH2019-010, as amended, be endorsed;

That the policy entitled Affordable Housing Incentives, appended to Report HH2019-008, be adopted, numbered and inserted in the Corporate Policy Manual; and

That staff report back on an annual basis on the City's progress toward achieving established targets so that those targets can be adjusted accordingly.

Carried

9.4.2 CW2019-214

CR2019-644

Moved By Councillor Seymour-Fagan

Seconded By Councillor Richardson

That Report 2019-010, **Styrofoam and Single Use Plastics**, be received;

That Council approves a voluntary ban of Styrofoam and Single Use Plastics in the Kawartha Lakes;

That Council approves the removal of styrofoam from the curbside recycling stream and addition to the waste stream;

That Council lead by example and start the voluntary ban within the City's administrative buildings whenever possible;

That as part of the voluntary ban staff develop a long term plan for phasing out single use plastics and styrofoam within additional City buildings and facilities; and

That staff develop a green procurement policy as part of the 2020 development of a green city charter.

Carried

10. Planning Advisory Committee

10.1 Correspondence Regarding Planning Advisory Committee Recommendations

10.2 Planning Advisory Committee Minutes

Planning Advisory Committee Minutes - November 6, 2019

CR2019-645

Moved By Councillor Veale

Seconded By Councillor O'Reilly

That the Minutes of the November 6, 2019 Planning Advisory Committee Meeting be received and the recommendations, included in Section 10.3 of the Agenda, be adopted.

Carried

10.3 Business Arising from Planning Advisory Committee Minutes

Carried

10.3.1 PAC2019-072

That Report PLAN2019-061, respecting **Part Lot 20, Concession 5, Plan 82, Part of Lot 8, Part 1 on 57R-7955, former Town of Lindsay, and identified as 257 Kent Street West; Application No. D06-2019-027**, be received;

That a Zoning By-law Amendment respecting application D06-2019-027, substantially in the form attached as Appendix E to Report PLAN2019-061, be approved and adopted by Council; and

That the Mayor and Clerk be authorized to execute any documents and agreements required by the approval of this application.

Carried

10.3.2 PAC2019-073

That Report PLAN2019-063, **Part of Lot 16, Concession 5, Geographic Township of Ops, Applications D01-2019-004 and D06-2019-031**, be received; and

That Report PLAN 2019-063 respecting Applications D01-2019-004 and D06-2019-031 be referred back to staff to address any issues raised through the public consultation process and for further review and processing until such time that all comments have been received from all circulated agencies and City departments, and that any comments and concerns have been addressed.

Carried

10.3.3 PAC2019-074

That Report PLAN2019-064, **Part of Lot 18, Concession 5, Former Town of Lindsay, DDB Investment Group Limited – Applications D01-2019-003 and D06-2019-029**, be received; and

That PLAN2019-064 respecting Applications D01-2019-003 and D06-2019-029 be referred back to staff to address any issues raised through the public consultation process and for further review and processing until such time that all comments have been received from all circulated agencies and City departments, and that any comments and concerns have been addressed.

Carried

10.3.4 PAC2019-075

That Report PLAN2019-065, **King's Wharf Estates Subdivision Agreement**, be received;

That the Subdivision Agreement for King's Wharf Estates, City of Kawartha Lakes, substantially in the form attached as Appendix C to Report PLAN2019-065 be approved by Council;

That the street names of Lakeview Crescent and Jeff Beukeboom Court for the draft plan of subdivision be approved by Council;

That the reduction of securities be considered once completed works have been confirmed by Staff;

That the recommended payment of Development Charges, as outlined in the draft subdivision agreement contained in Appendix C to Report PLAN2019-065, be received and approved by Council; and

That the Mayor and Clerk be authorized to execute any documents and agreements required by the approval of this Agreement.

Carried

10.4 Items Extracted from Planning Advisory Committee Minutes

11. Consent Matters

The following items were requested to be extracted from the Consent Agenda:

Moved By Councillor Veale

Seconded By Councillor Richardson

That all of the proposed resolutions shown in Section 11.1 and 11.2 of the Agenda be approved and adopted by Council in the order that they appear on the agenda and sequentially numbered.

Carried

11.1 Reports

11.1.1 CLK2019-012

2020 Council, Committee of the Whole and Planning Advisory Committee Meeting Schedule

Cathie Ritchie, City Clerk

CR2019-646

That Report CLK2019-012, **2020 Council, Committee of the Whole and Planning Advisory Committee Meeting Schedule**, be received; and

That the schedule for Council, Committee of the Whole and Planning Advisory Committee Meetings for 2020, as outlined in Appendix A to Report CLK2019-012, be approved.

Carried

11.1.2 PUR2019-042

Request for Quotation 2019-91-OQ Coboconk School House Demolition

Krystina Cunningham, Buyer

Aaron Sloan, Manager of Municipal Law Enforcement

CR2019-647

That Report PUR2019-042, **Request for Quotation 2019-91-OQ Coboconk School House Demolition**, be received;

That the lowest quoted Proponent, Maxx North America Group Inc., be selected for the award of Request for Quotation 2019-91-OQ for the Demolition of the Coboconk School House where work shall commence upon award and be completed by December 31, 2019;

That subject to receipt of the requested documents, the Mayor and City Clerk be authorized to execute the agreement to award Quotation 2019-91-OQ for the Demolition of the Coboconk School House; and

That all costs of demolishing the structure and disposing of hazardous materials be invoiced to the current owner of the property with notification that if the cost of demolition is not paid, the amount will be added to the property tax in accordance with section 15.4 (4). Building Code Act, 1992, S.O. 1992, c. 23.

Carried

11.1.3 PUR2019-043

2019-96-OQ Supply and Delivery of Sodium Hypochlorite

Kristy Wilson, Junior Buyer

Robert MacPherson, Water and Wastewater Technician

CR2019-648

That Report PUR2019-043, **Request for Quotation 2019-96-OQ Supply and Delivery of Sodium Hypochlorite**, be received;

That Lavo be selected for the award of 2019-96-OQ Supply and Delivery of Sodium Hypochlorite for a five year term, at the quotation price of \$28,451.69 annually, plus HST; and

That subject to receipt of the requested documents, that the Mayor and City Clerk be authorized to sign the agreement.

Carried

11.1.4 PUR2019-047

2019-86-CQ Rotary Trail and Shoreline Restoration and Stabilization

Linda Lee, Buyer

Ryan Smith, Supervisor, Parks & Open Spaces

CR2019-649

That Report PUR2019-047, **2019-86-CQ Rotary Trail and Shoreline Restoration and Stabilization**, be received;

That Ratcliff Excavating & Grading be selected for the award of Quotation 2019-86-CQ Rotary Trail and Shoreline Restoration and Stabilization for the total price of \$457,155.40, plus H.S.T.;

That project number 950190408 – Rotary Trail, Shoreline Restoration & Sheet Piling be closed and \$150,000 be returned to the Capital Reserves;

That \$235,184 be added to multi-year project 950153301- Shoreline Restoration & Sheet Piling from the Capital Reserves;

That subject to receipt of the required documents, the Mayor and Clerk be authorized to execute the agreement to award the contract; and

That the Financial Services Division be authorized to issue a purchase order.

Carried

11.1.5 PUR2019-048

2019-92-OP Annual Monitoring Reports at Specified Landfills

Linda Lee, Buyer

Kerri Snoddy, Regulatory Compliance Officer

CR2019-650

That Report PUR2019-048, **2019-92-OP Annual Monitoring Reports at Specified Landfill Sites**, be received;

That Azimuth Environmental Consulting Inc. be selected as the highest scoring proponent, for the award of Request for Proposal 2019-92-OP Annual Monitoring Reports at Specified Landfill Sites for the initial term of two (2) reporting terms for the 2019 and 2020 calendar years;

That Council authorize the option to renew the contract for one (1) additional reporting term upon mutual agreement and successful completion of the initial term; and

That subject to receipt of the required documents, the Mayor and Clerk be authorized to sign the agreement.

Carried

11.2 Correspondence

11.3 Items Extracted from Consent

12. Petitions

12.1 CC2019-28.12.1

Resurfacing of Wispi Shore Road

Marianne Husar

CR2019-651

Moved By Councillor Ashmore

Seconded By Councillor O'Reilly

That the petition received from Marianne Husar regarding **Resurfacing of Wispi Shore Road**, be received and referred to the 2020 Lifecycle Extension Program for consideration.

Carried

13. Other or New Business

14. By-Laws

The mover requested the consent of Council to read the by-laws by number only.

CR2019-652

Moved By Councillor Yeo

Seconded By Councillor Dunn

That the By-Laws shown in Section 14.1 of the Agenda, namely: Items 14.1.1 to and including 14.1.14 be read a first, second and third time, passed, numbered, signed and the corporate seal attached.

Carried

14.1 By-Laws by Consent

14.1.1 By-law 2019-146

Authorize Borrowing of Serial Debentures \$11,007,932.60

14.1.2 By-law 2019-147

Authorize Borrowing of Serial Debentures \$4,492,964.44

14.1.3 By-law 2019-148

A By-law to Appoint a Municipal Law Enforcement Officer for Limited By-law Enforcement Purposes (M. Fenton)

14.1.4 By-law 2019-149

A By-law to Appoint a Municipal Law Enforcement Officer for Limited By-law Enforcement Purposes (T. Ferris)

14.1.5 By-law 2019-150

A By-law to Establish a Parcel of Land in the City of Kawartha Lakes as Public Highway

14.1.6 By-law 2019-151

A By-Law to Authorize the Sale Of Municipally Owned Property Legally Described Block D, Plan 386, in the Geographic Township of Somerville, City of Kawartha Lakes Designated as Parts 2 and 3 on Plan 57R-10763 Being Part of PIN: 63119-0232 (LT)

14.1.7 By-law 2019-152

A By-law to Stop Up and Close Part of the Road Allowance Legally Described as Part of the Road Allowance between Lot 18 and Lot 19, Concession 2, in the Geographic Township of Somerville, City of Kawartha Lakes as Parts 6, 7 and 8 on Plan 57R-10763 Being Part of PIN:63119-0195 (LT)

14.1.8 By-law 2019-153

A By-Law to Amend the Town of Lindsay Zoning By-Law No. 2000-75 to Rezone Land Within the City Of Kawartha Lakes
(File D06-2019-027, Report PLAN2019-061 - 257 Kent Street West - 2680749 Ontario Inc.)

14.1.9 By-law 2019-154

A By-law to Delegate Authority for the Alteration of Heritage Property in the City of Kawartha Lakes

14.1.10 By-law 2019-155

A By-law to Amend Bylaw Mariposa 1971-1526 and to Provide for the Levying of Costs Resulting from Maintenance of the Ferguson Drain

14.1.11 By-law 2019-156

A By-law to Levy the Cost of Maintenance Works Undertaken on the Ferguson Municipal Drain in the City of Kawartha Lakes

14.1.12 By-law 2019-157

A By-law to Levy the Cost of Maintenance Works Undertaken on the Robertson Municipal Drain in the City of Kawartha Lakes

14.1.13 By-law 2019-158

A By-law to Levy the Cost of Maintenance Works Undertaken on the Lownsborough Municipal Drain in the City of Kawartha Lakes

14.1.14 By-law 2019-159

A By-law to Levy the Cost of Maintenance Works Undertaken on the Ops #1 Municipal Drain in the City of Kawartha Lakes

14.2 By-Laws Extracted from Consent

15. Notice of Motion

Council recessed at 1:47 p.m. and reconvened at 1:57 p.m.

16. Closed Session

16.1 Adoption of Closed Session Agenda

CR2019-653

Moved By Councillor O'Reilly

Seconded By Councillor Yeo

That the Closed Session agenda be adopted as circulated.

Carried

16.2 Disclosure of Pecuniary Interest in Closed Session Items

There were no declarations of pecuniary interest disclosed.

16.3 Move Into Closed Session

CR2019-654

Moved By Councillor O'Reilly

Seconded By Councillor Yeo

That Council convene into closed session at 1:58 p.m. in order to consider matters on the Tuesday, November 19, 2019 Closed Session Agenda and that are permitted to be discussed in a session closed to the public pursuant to Section 239(2)(d) of the Municipal Act, S.O. 2001. S.25.

Carried

17. Matters from Closed Session

Item 16.3.1

The Closed Session Minutes of the October 22, 2019 Regular Council Meeting were received and adopted.

Item 16.3.4

Jennifer Stover, Director of Corporate Services provided Council with information regarding **Market Compensation Review**.

Item 16.3.2

Staff provided Council with an update on the **Kawartha Lakes Professional Firefighter Association, Local 1701** and received direction.

Item 16.3.3

Staff provided Council with a **CUPE Local 855 Bargaining Mandate** update and received direction.

18. Confirming By-Law

18.1 By-law 2019-160

A By-law to Confirm the Proceedings of a Regular Meeting of Council, Tuesday, November 19, 2019

CR2019-660

Moved By Councillor Dunn

Seconded By Councillor Yeo

That a by-law to confirm the proceedings of a Regular Council Meeting held Tuesday, November 19, 2019 be read a first, second and third time, passed, numbered, signed and the corporate seal attached.

Carried

19. Adjournment

CR2019-661

Moved By Councillor Yeo

Seconded By Councillor Veale

That the Council Meeting adjourn at 2:29 p.m.

Carried

Read and adopted this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

Minutes

Special Council Meeting

CC2019-29

Tuesday, November 26, 2019

Open Session Commencing at 9:00 a.m.

Council Chambers

City Hall

26 Francis Street, Lindsay, Ontario K9V 5R8

Members:

Mayor Andy Letham

Deputy Mayor Doug Elmslie

Councillor Ron Ashmore

Councillor Pat Dunn

Councillor Patrick O'Reilly

Councillor Tracy Richardson

Councillor Kathleen Seymour-Fagan

Councillor Andrew Veale

Councillor Emmett Yeo

Accessible formats and communication supports are available upon request. The City of Kawartha Lakes is committed to accessibility for persons with disabilities.

Please contact AgendaItems@kawarthalakes.ca if you have an accessible accommodation request.

1. Call to Order

Mayor Letham called the meeting to order at 9:00 a.m. Deputy Mayor D. Elmslie and Councillors R. Ashmore, P. Dunn, P. O'Reilly, T. Richardson, K. Seymour-Fagan, A. Veale and E. Yeo were in attendance.

Late Arrival: Councillor Yeo at 9:01 a.m.

CAO R. Taylor, City Clerk C. Ritchie, and Deputy Clerk J. Watts were also in attendance.

2. Adoption of Agenda

CR2019-662

Moved By Councillor Seymour-Fagan

Seconded By Deputy Mayor Elmslie

That the Agenda for the Open Session of the Special Council Meeting of Tuesday, November 26, 2019, be adopted as circulated, and with the following amendments:

- Logistical modifications to the 2020 Proposed Budget and Business Plan documents
- Proposed 2020 Water Wastewater Budget, Special Projects Budget, and Tax-Supported Capital Budget Question and Answer documents.

Carried

3. Disclosure of Pecuniary Interest

There were no declarations of pecuniary interest disclosed.

4. Proposed 2020 Water-Wastewater Capital and Operating Budgets

4.1 Presentation

Bryan Robinson, Director of Public Works
Adam Found, Manager of Corporate Assets

Director of Public Works B. Robinson, and Manager of Corporate Assets A. Found presented an overview of the Proposed 2020 Water-Wastewater Capital and Operating Budgets.

CR2019-663

Moved By Deputy Mayor Elmslie

Seconded By Councillor Veale

That the presentation by B. Robinson, Director of Public Works, and A. Found, Manager of Corporate Assets, regarding the Proposed 2020 Water and Wastewater Budgets, be received; and

That the 2020 Water and Wastewater Operating and Capital Budgets, be received.

Carried

4.2 Public Comments

There were no public comments presented.

4.3 Written Public Submissions

There were no written public submissions received.

4.4 Council Question and Answer

CR2019-664

Moved By Councillor O'Reilly

Seconded By Councillor Richardson

That the Question and Answer Document regarding the 2020 Proposed Water and Wastewater Operating and Capital Budgets, be received.

Carried

4.5 Extractions

No extractions were made.

4.6 Decision Units

There were no decision units presented.

4.7 EA2019-016

Proposed 2020 Water-Wastewater Operating and Capital Budgets
Adam Found, Manager of Corporate Assets

Moved By Deputy Mayor Elmslie

Seconded By Councillor Seymour-Fagan

That Report EA2019-016, **Proposed 2020 Water-Wastewater Operating and Capital Budgets**, be received;

That the 2020 Water-Wastewater Capital Budget, attached as Appendix A to Report EA2019-016, be adopted;

That the 2020 Water-Wastewater Operating Budget, attached as Appendix B to Report EA2019-016, be adopted; and

That 2020 user rate levies be increased to a total of 3% above 2019 levies, and that the non-committed additional revenues be utilized to accelerate contributions to the Water-Wastewater Capital Reserve.

Motion Failed

CR2019-665

Moved By Councillor Dunn

Seconded By Councillor Richardson

That Report EA2019-016, **Proposed 2020 Water-Wastewater Operating and Capital Budgets**, be received;

That the 2020 Water-Wastewater Capital Budget, attached as Appendix A to Report EA2019-016, be adopted; and

That the 2020 Water-Wastewater Operating Budget, attached as Appendix B to Report EA2019-016, be adopted.

Carried

5. Proposed 2020 Special Projects Budget

5.1 Overview

Jennifer Stover, Director of Corporate Services

Director of Corporate Services, J. Stover, provided an overview of the 2019 Special Projects Budget.

CR2019-666

Moved By Councillor O'Reilly

Seconded By Councillor Veale

That the overview by Jennifer Stover, Director of Corporate Services, regarding the proposed 2020 Special Projects Budget, be received; and

That the 2020 Special Projects Budget, be received.

Carried

5.2 Public Comments

There were no public comments presented.

5.3 Written Public Submissions

CR2019-667

Moved By Councillor Richardson
Seconded By Councillor Ashmore

That the November 14, 2019 correspondence from Susan Taylor, regarding the 2020 Proposed Special Projects Budget, be received.

Carried

5.4 Council Question and Answer

CR2019-668

Moved By Deputy Mayor Elmslie
Seconded By Councillor O'Reilly

That the Question and Answer Document regarding the 2020 Special Projects Budget, be received.

Carried

5.5 Extractions

Moved By Councillor Yeo
Seconded By Councillor Dunn

That the Commercial Lands Supply and Policy Review in the amount of \$100,000.00 be removed from the 2020 Special Projects Budget.

Motion Failed

Moved By Councillor Dunn
Seconded By Councillor Yeo

That the Paramedic Deployment Review and Master Plan in the amount of 100,000.00 be removed from the 2020 Special Projects Budget.

Motion Failed

CR2019-669

Moved By Councillor Dunn
Seconded By Deputy Mayor Elmslie

That the full amount for the Paramedic Deployment Review and Master Plan, in the amount of \$100,000.00, be fully funded from the Modernization Fund.

Carried

CR2019-670

Moved By Deputy Mayor Elmslie

Seconded By Councillor Dunn

That the Central Roads Operations Depot EA Study in the amount of \$160,000.00 be removed from the 2020 Special Projects Budget.

Carried

5.6 Decision Units

CR2019-671

Moved By Councillor O'Reilly

Seconded By Councillor Ashmore

That Decision Unit Identifier Number 201, 2020 International Plowing Match in the amount of \$100,000.00, be added to the 2020 Special Projects Budget, and requests confirmation of requirements from the organizers.

Carried

CR2019-672

Moved By Councillor Seymour-Fagan

Seconded By Councillor Richardson

That Decision Unit Identifier 202, Cultural Centre Feasibility Study in the amount of \$50,000.00, be added to the 2020 Special Projects Budget.

Carried

CR2019-673

Moved By Councillor Dunn

Seconded By Deputy Mayor Elmslie

That Decision Unit Identifier 204, City Wide Speed Reduction in the amount of \$172,755.00, be equally divided into a multi-year project and allocated over the next three years in the Special Projects Budgets.

Carried

Council recessed at 11:18 a.m. and reconvened at 11:27 p.m.

CR2019-674

Moved By Councillor O'Reilly

Seconded By Councillor Richardson

That Decision Unit Identifier 200, Active Transportation Plan in the amount of \$100,000.00, be added to the 2020 Special Projects Budget.

Carried

CR2019-675

Moved By Councillor O'Reilly

Seconded By Councillor Richardson

That a Steering Committee, including members of the public, be established to work with the consultant on the Active Transportation Master Plan; and

That Terms of Reference for the Active Transportation Plan Steering Committee be forwarded to Council for consideration.

Carried

5.7 CORP2019-031

Proposed 2020 Special Projects Budget
Jennifer Stover, Director of Corporate Services

CR2019-676

Moved By Councillor Seymour-Fagan

Seconded By Councillor O'Reilly

That Report CORP2019-031, **Proposed 2020 Special Projects Budget**, be received;

That the 2020 Special Projects Budget, as amended and attached as Appendix A to report CORP2019-031, be adopted.

Carried

Council recessed at 11:48 a.m. and reconvened at 12:30 p.m.

6. Proposed 2020 Tax-Supported Capital Budget

6.1 Presentation

Adam Found, Manager of Corporate Assets

Manager of Corporate Assets A. Found, presented the Proposed 2020 Tax-Supported Capital Budget.

CR2019-677

Moved By Councillor Seymour-Fagan

Seconded By Councillor O'Reilly

That the presentation by Adam Found, Manager of Corporate Assets, regarding the Proposed 2020 Tax-Supported Capital Budget, be received; and

That the 2020 Tax-Supported Capital Budget, be received.

Carried

6.2 Public Comments

There were no public comments presented.

6.3 Written Public Submissions

There were no written public submissions received.

6.4 Council Question and Answer

CR2019-678

Moved By Deputy Mayor Elmslie

Seconded By Councillor Yeo

That the Question and Answer Document regarding the 2020 Tax-Supported Capital Budget, be received.

Carried

6.5 Extractions

CR2019-679

Moved By Deputy Mayor Elmslie

Seconded By Councillor O'Reilly

That JDE Identifier 983200104, Colborne Street Bridget (Lindsay) - Design in the amount of \$350,000.00, be removed from the 2020 Capital Budget.

Carried

Council recessed at 2:02 p.m. and reconvened at 2:13 p.m.

CR2019-680

Moved By Deputy Mayor Elmslie

Seconded By Councillor Seymour-Fagan

That JDE Identifier 950200105, Old Mill Accessible Docks and Storage in the amount of \$65,000.00, be removed from the 2020 Capital Budget.

Carried

A correction was identified in the 2020 Capital Budget, as JDE Identifier 950200313, Janetville Community Centre in the amount of \$231,000.00, was

printed in error and should not have been included in the budget. This item was correctly included in the Recommended 2020 Capital Budget Deferrals.

6.6 Decision Units and Deferrals

Moved By Deputy Mayor Elmslie
Seconded By Councillor Ashmore

That Council Request Decision Unit Identifier 102, Kelly's Bay Road in the amount of \$165,000.00, be included in the 2020 Capital Budget, and funded from the Capital Reserve.

Motion Failed

CR2019-681

Moved By Councillor Richardson
Seconded By Councillor Dunn

That staff bring an update on the Five Year Roads Plan, including a status and forecast update, by the end of Q1 of 2020.

Carried

CR2019-682

Moved By Councillor Yeo
Seconded By Councillor Dunn

That Capital Budget Decision Unit Identifier 407, Sidewalks in the amount of \$150,000.00, be added to the 2020 Capital Budget and funded from the Capital Reserve.

Carried

CR2019-683

Moved By Deputy Mayor Elmslie
Seconded By Councillor Yeo

That Capital Budget Decision Unit Identifier 417, Fleet - Six (6) Hot Boxes in the amount of \$360,000.00, be added to the 2020 Capital Budget, and funded from the Capital Reserve.

Carried

Moved By Councillor Ashmore
Seconded By Councillor Yeo

That Capital Budget Decision Unit Identifier 411, Mill Pond Bridge - Omemee in the amount of \$1,728,000.00, be added to the 2020 Capital Budget, and be funded by debenture and the debt ceiling be increased accordingly.

Motion Failed

6.7 EA2019-017

Proposed 2020 Tax-Supported Capital Budget
Adam Found, Manager of Corporate Assets

CR2019-684

Moved By Councillor Yeo
Seconded By Deputy Mayor Elmslie

That Report EA2019-017, **Proposed 2020 Tax-Supported Capital Budget**, be received;

That the 2020 Tax-Supported Capital Budget, attached as Appendix A to Report EA2019-017, as amended, be adopted.

Carried

7. **Closed Session**

8. **Matters from Closed Session**

9. **Confirming By-Law**

9.1 CC2019-29.9.1

A By-law to Confirm the Proceedings of a Special Meeting of Council, Tuesday, November 26, 2019

CR2019-685

Moved By Deputy Mayor Elmslie
Seconded By Councillor Veale

That a by-law to confirm the proceedings of a Special Council Meeting held Tuesday, November 26, 2019 be read a first, second and third time, passed, numbered, signed and the corporate seal attached.

Carried

10. Adjournment

CR2019-686

Moved By Councillor Yeo

Seconded By Councillor Dunn

That the Council Meeting adjourn at 3:22 p.m.

Carried

Read and adopted this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

Council Report

Report Number EA2019-018

Meeting Date: December 10, 2019

Title: Development Charges Background Study, By-Law and Assistance Policy

Description: This report presents Council with the Development Charges Background Study, By-Law and Assistance Policy, as revised since their initial publication in draft or proposed form on October 7, 2019, for adoption.

Ward Number: All Wards

Author and Title: Adam Found, Manager of Corporate Assets

Recommendation(s):

That Report EA2019-018, **Development Charges Background Study, By-Law and Assistance Policy**, be received;

That the Development Charges Background Study and its addendum, attached as Appendix A to Report EA2019-018, be adopted;

That the Development Charges By-Law, attached as Appendix B to Report EA2019-018, be forwarded to Council for enactment and be numbered upon enactment;

That the Development Charges Assistance Policy, attached as Appendix C to Report EA2019-018, be adopted and be numbered upon adoption;

That for the purpose of subsection 12(3) of the Development Charges Act, it is determined that no further public meetings on the above-noted documents are required;

That for the purpose of paragraph 3 of subsection 5(1) of the Development Charges Act, it is the intention of Council to ensure the increase in the need for services attributable to anticipated development will be met and that the

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

committed and future excess capacity identified in the Development Charges Background Study are funded by development charges or other similar charges;

That the growth-related capital forecast in the Development Charges Background Study be reflected by future asset management plans, long-term financial plans, budgets and similar strategic documents; and

That for the purpose of paragraph 3 of subsection 5(6) of the Development Charges Act, future operating budgets include annual transfers to the DC reserve to correct the balance of that reserve for shortfalls resulting from development charges exemptions and any other similar cause.

Background:

At the Council Meeting of November 5, 2019, Council adopted the following resolutions:

CR2019-626

Moved By Deputy Mayor Elmslie

Seconded By Councillor O'Reilly

That Report EA2019-015, **Direction Regarding Development Charges By-Law**, be received;

That the proposed development charges (DC) by-law be revised to reflect a uniform DC rate for industrial, commercial and institutional development for each municipal service, and a 50% DC exemption for industrial development that does not qualify for the legislated industrial DC exemption;

That the effective date of the proposed DC by-law and proposed DC assistance policy be revised from January 1, 2020 to April 1, 2020; and

That the DC study, proposed DC by-law and proposed DC assistance policy, as revised, be presented to Council for adoption at the December 10, 2019 Council meeting.

Carried

CR2019-627

Moved By Councillor O'Reilly

Seconded By Councillor Veale

That the November 5th, 2019 memorandum from Mayor Letham regarding a **Proposed Direction for New Development Charges By-law - Incenting Job Creators**, be received;

That the proposed development charges by-law be revised to reflect a full development charges exemption for industrial development;

That the proposed development charges by-law be revised to reflect a full development charges exemption for the first 2,500 square metres of gross floor area for any single commercial development;

That staff report to Council in Q4 of 2021 with a financial update on development charges and the results of these incentives, including additional non-residential floor space and jobs achieved; and

That staff provide Council an interim update in Q4 of 2020 on the future “community benefits charge” and any resulting adjustments that may need to be made to the above-noted business incentives.

Carried

This report addresses that direction as it relates to revision and approval of the Development Charges (DC) Background Study, DC By-Law and DC Assistance Policy. The latter two components of Council Resolution CR2019-627 are to be addressed through staff reports to Council in 2020-2021, as directed.

Rationale:

On October 7, 2019, the City published a draft of the DC Background Study, prepared by Watson and Associates, along with initial proposed versions of the DC By-Law and DC Assistance Policy, prepared by the Manager of Corporate Assets. The following day, staff, Watson and Associates and the DC Task Force made presentations on these documents to Committee of the Whole.

On November 5, 2019, Council held a statutory public meeting on the draft DC Background Study and proposed DC By-Law and DC Assistance Policy, and considered the 28 recommendations made by the DC Task Force to staff. After the public meeting, Council provided direction to staff through Council Resolutions CR2019-626 and CR2019-627, which are reproduced in the previous section of this report for Council’s reference.

As a result, staff has revised the proposed DC By-Law and DC Assistance Policy, and Watson and Associates has revised the DC Background Study by issuance of the Addendum to 2019 Development Charges Background Study (hereinafter the “DC Background Study Addendum”). The DC Background Study and the DC Background Study Addendum are attached hereto as Appendix A. The DC By-Law and DC Assistance Policy are attached hereto as Appendices B and C, respectively. All three appendices are being presented to Council for approval through this report.

Other Alternatives Considered:

The attached DC Background Study (as amended by the DC Background Study Addendum), DC By-Law and DC Assistance Policy comply with the Development Charges Act and have been revised to reflect direction provided by Council. As this direction flows from Council’s consideration of the DC Task Force’s recommendations, its holding of the statutory public meeting and its approval of the direction proposed in Mayor Letham’s memo to Council dated November 5, 2019, no alternatives to this report’s recommendations are being presented to Council at this time.

Financial/Operation Impacts:

Timely implementation of the increased DC rates is needed to ensure adequate recovery of growth-related capital costs from the development giving rise to such costs. With the incoming DC by-Law revised to take effect April 1, 2020 instead of January 1, 2020, a balance is struck between supporting solvency of the DC reserve and providing developments in the planning approval process sufficient time to reach subdivision agreement, site plan agreement or building permit stages under the outgoing DC by-law. The increased DC rates will strengthen the DC reserve without adversely impacting growth and development in the City.

As directed by Council, the financial effects of the new DC exemptions for industrial and commercial development will be monitored by staff and reported to Council in Q4 of 2021.

Relationship of Recommendation(s) To The 2016-2019 Strategic Plan:

Without DCs, the cost of growth-related capital works required by development would fall principally on existing ratepayers. In such a scenario, it is expected the City would, as it grows, be unable to maintain municipal service levels at affordable tax rates and water-wastewater user rates, creating pressure to slow or withhold development approvals. Maintenance of appropriately calculated DC rates is therefore critical to the City's long-term financial sustainability, and to its ability to welcome development and extend municipal services thereto. As such, the recommendations of this report relate to the following strategic goals and enablers identified in the Corporate Strategic Plan:

1. Strategic Goals: (i) A Vibrant and Growing Economy; (ii) An Exceptional Quality of Life.
2. Strategic Enablers: (i) Responsible Fiscal Resource Management; (ii) Efficient Infrastructure and Asset Management.

Consultations:

Watson and Associates
Mayor
CAO

Attachments:

Appendix A: Development Charges Background Study and Addendum



2019 Development
Charges Background



Addendum to 2019
Development Charges

Appendix B: Development Charges By-Law



Proposed
Development Charges

Appendix C: Development Charges Assistance Policy



Proposed
Development Charges

Department Head E-Mail: jrojas@kawarthalakes.ca

Department Head: Juan Rojas, Director of Engineering and Corporate Assets



2019 Development Charges Background Study

City of Kawartha Lakes

For Public Circulation and Comment

October 7, 2019

Watson & Associates Economists Ltd.
905-272-3600
info@watsonecon.ca

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List of Acronyms and Abbreviations

Acronym	Full Description of Acronym
A.M.P.	Asset Management Plan
D.C.	Development charge
D.C.A.	Development Charges Act, 1997, as amended
F.I.R.	Financial Information Return
G.F.A.	Gross floor area
L.O.S.	Level of Service
L.P.A.T.	Local Planning Appeal Tribunal
N.F.P.O.W.	No Fixed Place of Work
O.M.B.	Ontario Municipal Board
O.Reg.	Ontario Regulation
P.P.U.	Persons per unit
S.D.U.	Single detached unit
sq.ft.	square foot
sq.m	square metre



Report



Chapter 1

Introduction



1. Introduction

1.1 Purpose of this Document

This background study has been prepared pursuant to the requirements of the *Development Charges Act, 1997*, (D.C.A.) (s.10) and, accordingly, recommends new Development Charges (D.C.s) and policies for the City of Kawartha Lakes (City).

Watson & Associates Economists Ltd. (Watson) was retained by the City, to undertake the D.C. study process in 2018. Watson worked with senior staff from City in preparing the D.C. analysis and policy recommendations specific to this background study. Furthermore, a D.C. Task Force consisting of members of the development industry, City Council, and members of the general public was formed to provide advice and recommendations to City staff regarding the formulation of a D.C. by-law to replace By-law 2015-224. The Task Force review encompassed the study methodology, calculation of the charges, implementation policies, and the draft background study.

This D.C. background study, containing the proposed D.C. by-law, will be distributed to members of the public in order to provide interested parties with sufficient background information on the legislation, the study's recommendations, and an outline of the basis for these recommendations.

This report has been prepared, in the first instance, to meet the statutory requirements applicable to the City's D.C. background study, as summarized in Chapter 4. It also addresses the requirement for "rules" (contained in Chapter 7) and the proposed by-law to be made available as part of the approval process (included as Appendix F).

In addition, the report is designed to set out the City's current D.C. policies (Chapter 2) and the policies underlying the proposed by-law, to make the exercise understandable to those who are involved. Finally, the study addresses post-adoption implementation requirements (Chapter 9) which are critical to the successful application of the new policy.

The Chapters in the report are supported by Appendices containing the data required to explain and substantiate the calculation of the charge. A full discussion of the statutory requirements for the preparation of a background study and calculation of a D.C. is provided herein.



1.2 Summary of the Process

The public meeting required under Section 12 of the D.C.A., has been scheduled for November 5, 2019. Its purpose is to present the study and draft D.C. by-law to the public and to solicit public input. The meeting is also being held to answer any questions regarding the study's purpose, methodology and the proposed modifications to the City's D.C.s.

In accordance with the legislation, the background study and proposed D.C. by-law will be available for public review at least 60 days prior to by-law passage.

The process to be followed in finalizing the report and recommendations includes:

- consideration of responses received prior to, at, or immediately following the Public Meeting; and
- finalization of the report and Council consideration of the by-law subsequent to the public meeting.

Figure 1-1 outlines the proposed schedule to be followed with respect to the D.C. by-law adoption process.

Figure 1-1
Schedule of Key D.C. Process Dates

Process Steps	Dates
1. Project initiation meetings with City Staff	June 7, 2018
2. Data collection and staff interviews	April – August, 2019
3. Presentation to D.C. Task Force – Methodology and Study Process	June 21, 2019
4. Discussion of Preliminary D.C. Calculations with City Staff	July 23, 2019
5. Presentation to D.C. Task Force – Growth Forecast, Historical Level of Service, and Capital Needs	July 26, 2019



Process Steps	Dates
6. Presentation to D.C. Task Force – Draft Findings	August 30, 2019
7. Presentation to D.C. Task Force – Draft Findings & D.C. Implementation Policies	September 27, 2019
8. D.C. Background Study and proposed D.C. by-law available to public	By October 10, 2019
9. Statutory notice of Public Meeting advertisement placed in newspaper(s)	20 days prior to public meeting
10. Presentation of D.C. Background Study to City Council	October 8, 2019
11. Public Meeting of Council	November 5, 2019
12. Council considers adoption of D.C. background study and passage of by-law	December 10, 2019
13. Newspaper notice given of by-law passage	By 20 days after passage
14. Last day for by-law appeal	40 days after passage
15. City makes available D.C. pamphlet	by 60 days after in force date



1.3 Proposed Changes to the D.C.A.: Bill 108 – An Act to amend Various Statutes with Respect to Housing, Other Development, and Various Matters

On May 2, 2019, the Province introduced Bill 108 which proposes changes to the D.C.A. The Bill has been introduced as part of the Province's "*More Homes, More Choice: Ontario's Housing Supply Action Plan*". The Bill received royal assent on June 6, 2019.

While having received royal assent, many of the changes to the D.C.A. do not come into effect until proclamation by the Lieutenant Governor. However, transitional provisions with respect to soft services are in effect as of the date of royal assent. The transitional provisions for soft services (i.e. services no longer eligible to be included in D.C. by-law once s.s. 2(4) of the Act is proclaimed) under an existing D.C. bylaw can remain in effect, even if the by-law expires, until the earlier of the prescribed date, the date a Community Benefits By-law is passed, or when the by-law is repealed. Moreover, as the new s.s. 2(4) is not yet in effect, municipalities are still permitted to pass a D.C. by-law based on the services currently eligible under the D.C.A., until the new section is proclaimed. A summary of the changes to the D.C.A. to take effect upon proclamation by the Lieutenant Governor is provided below:

Changes to Eligible Services – the Bill will remove "Soft Services" from the D.C.A. These services will be considered as part of a new Community Benefit Charge (discussed below) imposed under the authority of the *Planning Act*. Once the new s.s. 2(4) is proclaimed, eligible services under the D.C.A. include:

- Water supply services, including distribution and treatment services;
- Wastewater services, including sewers and treatment services;
- Storm water drainage and control services;
- Services related to a highway as defined in subsection 1 (1) of *the Municipal Act, 2001* or subsection 3 (1) of *the City of Toronto Act, 2006*, as the case may be;
- Electrical power services;
- Policing services;
- Ambulance services;
- Fire protection services;
- Toronto-York subway extension, as defined in subsection 5.1 (1);



- Transit services other than the Toronto-York subway extension;
- Waste diversion services; and
- Other services as prescribed.

Waste Diversion and Ambulance – the Bill will remove the mandatory 10% deduction for these services.

Annual Installments – the Bill proposes that Rental Housing, and Commercial/Industrial/Institutional developments pay D.C.s in six equal annual payments commencing the earlier of the date of issuance of a building permit or occupancy. Non-profit housing developments, will pay D.C.s in 21 equal annual payments. Interest may be charged on the installments, at a prescribed rate, and any unpaid amounts may be added to the property and collected as taxes.

When D.C. Amount is Determined – the Bill proposes that the D.C. amount for all developments proceeding by Site Plan or requiring a Zoning By-law Amendment, shall be determined based on the D.C. charge in effect on the day of the application for Site Plan or Zoning By-law Amendment. If the development is not proceeding via these planning approvals then the amount is determined the earlier of the date of issuance of a building permit or occupancy.

Soft Services to be Included in a new Community Benefit Charge under the Planning Act – it is proposed that a municipality may by by-law impose community benefits charges against land to pay for the capital costs of facilities, services and matters required because of development or redevelopment in the area to which the by-law applies. These services may not include services authorized by the D.C.A. Various provisions are provided as follows:

- Before passing a community benefits charge by-law, the municipality shall prepare a community benefits charge strategy that, (a) identifies the facilities, services and matters that will be funded with community benefits charges and (b) complies with any prescribed requirements;
- The amount of a community benefits charge payable shall not exceed an amount equal to the prescribed percentage of the value of the land as of the valuation date;
- The valuation date is the day before building permit issuance;



- Valuations will be based on appraised value of land. Various requirements are set out in this regard;
- All money received by the municipality under a community benefits charge by-law shall be paid into a special account;
- In each calendar year, a municipality shall spend or allocate at least 60 percent of the monies that are in the special account at the beginning of the year;
- Requirements for annual reporting shall be prescribed; and
- Transitional provisions are set out regarding the D.C. reserve funds and D.C. credits.



Chapter 2

City of Kawartha Lakes

Current D.C. Policy



2. City of Kawartha Lakes Current D.C. By-Law

2.1 By-law Enactment

The City passed D.C. By-law 2015-224 on November 24, 2015 under the statutory authority of the D.C.A.

2.2 Services Covered

D.C. By-law 2015-224 imposes charges for the following services:

Municipal-wide Services

- Fire;
- Roads and Related;
- Airport;
- Parks and Recreation;
- Library;
- Administration – Studies;

Are-Specific Services

- Police (Lindsay and former Township of Ops);
- Transit (Lindsay);

Urban Services

- Water Treatment;
- Water Distribution;
- Wastewater Treatment; and
- Wastewater Collection (Outside of the Northwest Lindsay Development Area).

Tables 2-1 and 2-2 provide the charges for residential and non-residential development types as well as the breakdown of the charges by service as of January 1, 2019.



Table 2-1
Schedule of Residential D.C.s by Service

Service	RESIDENTIAL			
	Single and Semi-Detached Dwelling	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	Row or Multiple
Municipal Wide Services:				
Fire Services	532	374	256	444
Police Services ¹	508	358	245	424
Roads and Related	5,313	3,737	2,562	4,431
Transit Services ²	77	56	37	65
Airport Services	31	22	14	26
Parks and Recreation	204	143	99	169
Library Services	235	166	113	196
Paramedic Services	74	53	36	62
Administration Studies	140	99	67	116
Total Municipal Wide Services	7,114	5,008	3,429	2,065
Urban Services				
Wastewater Treatment	1,744	1,227	840	1,454
Wastewater Collection ³	5,825	4,098	2,808	4,858
Water Treatment	2,485	1,749	1,199	2,073
Water Distribution	3,011	2,120	1,453	2,513
Total Urban Services	13,065	9,194	6,300	10,898
Urban - Lindsay	20,179	14,202	9,729	12,963
Urban - NWT	14,354	10,104	6,921	8,105
Urban - Other	19,594	13,788	9,447	12,474
Rural - Ops	7,037	4,952	3,392	2,000
Rural - Other	6,529	4,594	3,147	1,576

1. Polices services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area



Table 2-2
Schedule of Non-Residential D.C.s by Service

Service	NON-RESIDENTIAL (per sq.m. of Gross Floor Area)		
	Industrial	Commercial	Institutional
Municipal Wide Services:			
Fire Services	2.98	7.15	5.11
Police Services ¹	2.05	4.90	3.51
Roads and Related	27.46	63.21	45.12
Transit Services ²	0.31	0.72	0.50
Airport Services	0.16	0.41	0.29
Parks and Recreation	1.23	1.23	1.23
Library Services	1.43	1.43	1.43
Paramedic Services	0.41	1.00	0.72
Administration Studies	0.78	1.87	1.35
Total Municipal Wide Services	36.81	81.92	59.26
Urban Services			
Wastewater Treatment	6.95	15.98	11.44
Wastewater Collection ³	23.41	53.12	38.11
Water Treatment	10.10	23.22	16.62
Water Distribution	12.27	28.73	20.55
Total Urban Services	52.73	121.05	86.72
Urban - Lindsay	89.54	202.97	145.98
Urban - NWT	66.13	149.85	107.87
Urban - Other	87.18	197.35	141.97
Rural - Ops	36.50	81.20	58.76
Rural - Other	34.45	76.30	55.25

1. Police services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area



2.3 Timing of D.C. Calculation and Payment

D.C.s for Roads and Related, Water Treatment, Water Distribution, Wastewater Treatment, and Wastewater Collection are calculated and payable at the time of Subdivision or Consent agreement. All other D.C.s are calculated and payable at the time the first building permit is issued.

The City may also allow for the payment of D.C.s either before or after they would otherwise be payable under S.27 of the D.C.A. The City has established the following D.C. deferral policies to govern this process, including:

- **Condominium buildings** – deferral of payment until the time of occupancy or registration (if occupied prior to registration)
- **High density development** – 50% of payment deferred until 1.5 years after the date of development agreement, the remaining 50% deferred until 3 years after the date of development agreement
- **Low density residential** – Deferral of payment until the time of occupancy
- **All buildings** – Deferral of payment until the date of building permit issuance

2.4 Indexing

The City's D.C.s are indexed on January 1 of each year, based on the percentage change recorded in the most recent Statistics Canada Non-Residential Building Construction Price Index.

2.5 Redevelopment Allowance

As a result of the redevelopment of land, a credit against D.C.s where a residential, non-residential or mixed-use building or structure was capable of being occupied within three years prior to the issuance of a building permit for redevelopment of the lands; and a demolition permit has been issued within three years prior to the issuance of a building permit for redevelopment of the lands.



2.6 Exemptions

The following non-statutory exemptions from the payment of D.C.s the City's D.C. By-law:

- A place of worship, non-profit hospice, public hospital, cemetery, burial site, or crematorium as defined in the *Assessment Act*;
- A farm building;
- A park model trailer;
- A municipal housing dwelling unit;
- An electrical generation development with 100 kW or less of nameplate generating capacity; and
- A temporary building or structure.



Chapter 3

Anticipated Development in the City of Kawartha Lakes



3. Anticipated Development in the City of Kawartha Lakes

3.1 Requirement of the Act

Chapter 4 provides the methodology for calculating a D.C. as per the D.C.A. Figure 4-1 presents this methodology graphically. It is noted in the first box of the schematic that in order to determine the D.C. that may be imposed, it is a requirement of Section 5 (1) of the D.C.A. that “the anticipated amount, type and location of development, for which development charges can be imposed, must be estimated.”

The growth forecast contained in this chapter (with supplemental tables in Appendix A) provides for the anticipated development for which the City will be required to provide services, over a 10-year (late-2019 to late-2029) longer term (late-2019 to mid-2031) time horizon.

3.2 Basis of Population, Household and Non-Residential Gross Floor Area Forecast

The D.C. growth forecast has been derived from the 2009 City of Kawartha Lakes Population, Housing and Employment Growth 2006-2031 Study, prepared by Watson & Associates Economists Ltd. In preparing the growth forecast, the following information sources were consulted to assess the residential and non-residential development potential for the City of Kawartha Lakes over the forecast period, including:

- City of Kawartha Lakes Growth Management Strategy Update, MHBC Planning Ltd., May 2011;
- City of Kawartha Lakes 2015 Development Charges Background Study, Office Consolidation incorporating Background Study (September 21, 2015) as amended by the October 30, 2015 addendum and November 11, 2015 addendum as approved by Council on November 24, 2015, Watson & Associates Economists Ltd., November 30, 2015;
- Historical residential and non-residential building permit data;



- Population, housing and employment data from 2006, 2011 and 2016 Statistics Canada Census;
- Residential supply data (in the development process) as provided by the City of Kawartha Lakes; and
- Non-residential supply opportunities as provided by the City of Kawartha Lakes.

3.3 Summary of Growth Forecast

A detailed analysis of the residential and non-residential growth forecasts is provided in Appendix A and the methodology employed is illustrated in Figure 3-1. The discussion provided herein summarizes the anticipated growth for the City and describes the basis for the forecast. The results of the residential growth forecast analysis are summarized in Table 3-1 below, and *Schedule 1* in Appendix A.

As identified in Table 3-1 and Appendix A, *Schedule 1*, the City's permanent population is anticipated to reach approximately 93,280 by late-2029 and 96,150 by mid-2031, resulting in an increase of 16,240 and 19,110 persons, respectively, over the 10-year and longer-term forecast periods.¹ The City's seasonal population is forecast to increase to 32,490 persons in 2029, and 33,120 persons in 2031. The City's total population (permanent and seasonal population) is forecast to reach 125,770 by 2029, and 129,270 by 2031.

¹ The population figures used in the calculation of the 2019 D.C. exclude the net Census undercount, which is estimated at approximately 4.0%.



Figure 3-1
Population and Household Forecast Model

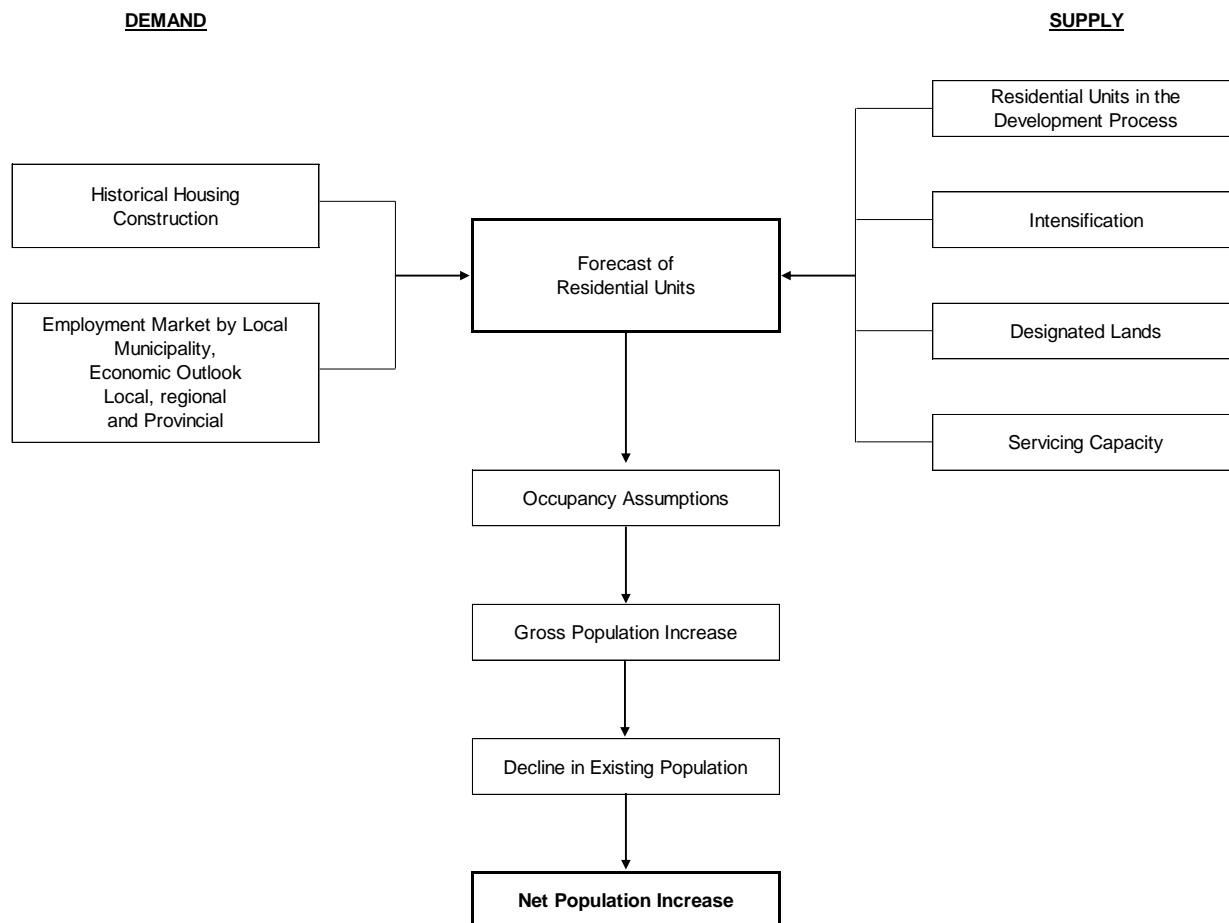




Table 3-1
City of Kawartha Lakes
Residential Growth Forecast Summary

Year		Permanent Population (Including Census Undercount) ¹	Excluding Census Undercount					Housing Units							Permanent Person Per Unit (P.P.U.)	Permanent + Seasonal Person Per Unit (P.P.U.)	
			Permanent Population	Institutional Population	Permanent Population Excluding Institutional	Seasonal Population	Total Permanent and Seasonal Population	Singles & Semi-Detached	Conversions ²	Multiples ³	Apartments ⁴	Other	Total Permanent Households	Seasonal Households			Total Households Including Seasonal
Historical	Mid 2006	77,540	74,561	1,421	73,140	31,020	105,581	25,265		1,105	2,875	275	29,520	8,476	37,996	2.526	2.779
	Mid 2011	76,140	73,214	1,764	71,450	27,375	100,589	25,470		1,215	2,820	176	29,681	7,480	37,161	2.467	2.707
	Mid 2016	78,440	75,423	2,048	73,375	26,855	102,278	26,515		1,495	2,765	325	31,100	7,338	38,438	2.425	2.661
Forecast	Late 2019	80,120	77,042	2,088	74,954	28,317	105,359	27,300	248	1,536	2,947	325	32,355	7,737	40,092	2.381	2.628
	Late 2029	97,010	93,278	2,506	90,772	32,490	125,768	32,741	958	2,997	4,019	325	41,040	8,877	49,917	2.273	2.520
	Mid 2031	100,000	96,150	2,556	93,594	33,116	129,266	33,615	1,065	3,284	4,223	325	42,512	9,048	51,560	2.262	2.507
Incremental	Mid 2006 - Mid 2016	900	862	627	235	-4,165	-3,303	1,250	0	390	-110	50	1,580	-1,138	442		
	Mid 2016 - Late 2019	1,680	1,619	40	1,579	1,462	3,081	785	248	41	182	0	1,255	399	1,654		
	Late 2019 - Late 2029	16,890	16,236	418	15,818	4,173	20,409	5,441	710	1,462	1,072	0	8,685	1,140	9,825		
	Late 2019 - Mid 2031	19,880	19,108	468	18,640	4,799	23,907	6,315	817	1,748	1,277	0	10,157	1,311	11,468		

Source: Watson & Associates Economists Ltd., 2019. Forecast permanent and seasonal population and housing growth derived from City of Kawartha Lakes Summary of Population and Employment Growth 2006-2031, December 3, 2009. The 2031 population forecast is consistent with Schedule 3 of the Provincial Growth Plan for the Greater Golden Horseshoe, Schedule 3, 2031 (B), May 2019.

¹ Census undercount estimated at approximately 4.0%. Note: Population including the undercount has been rounded.

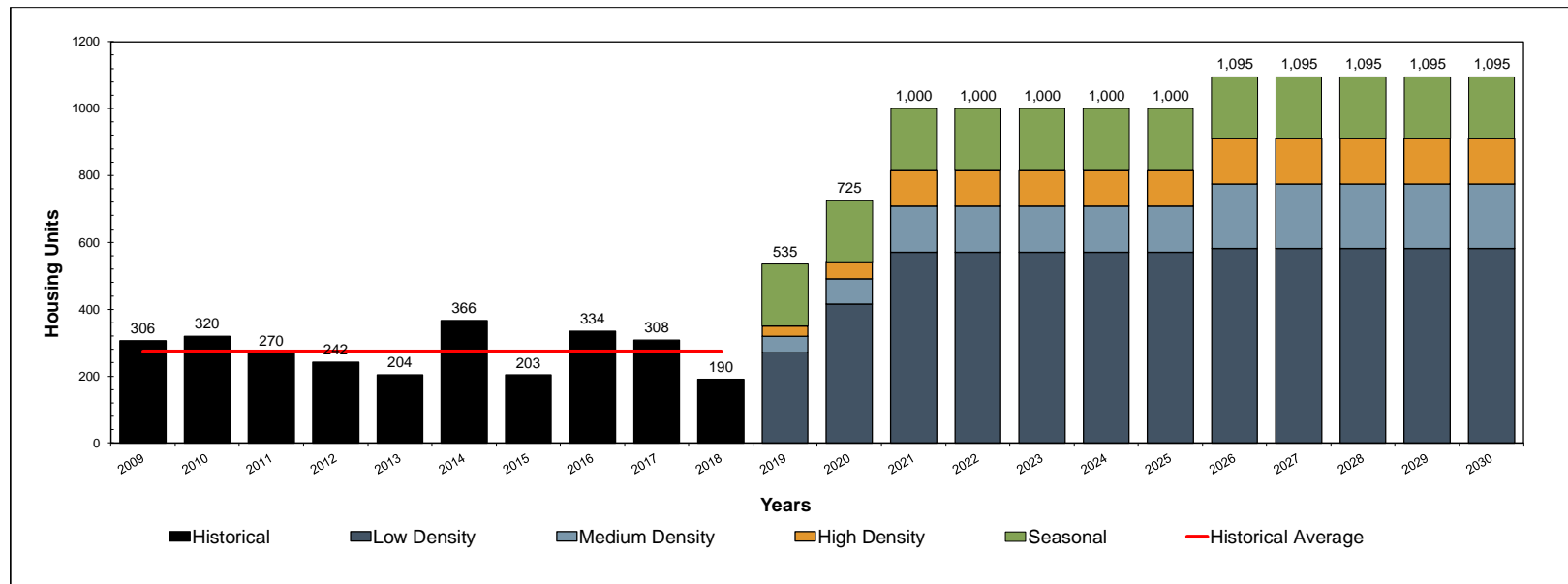
² Conversion of existing seasonal housing units to year-round permanent housing units.

³ Includes townhouses and apartments in duplexes.

⁴ Includes bachelor, 1-bedroom and 2-bedroom+ apartments.



Figure 3-2
City of Kawartha Lakes
Annual Housing Forecast



Source: Historical housing activity from City of Kawartha Lakes Building Department building permit data, 2009-2018.
1. Growth forecast represents calendar year.



Provided below is a summary of the key assumptions and findings regarding the City of Kawartha Lakes D.C. growth forecast.

1. Housing Unit Mix (Appendix A – Schedules 1 and 6)

- The housing unit mix for the City was derived from a detailed review of historical development activity (as per Schedule 6), as well as active residential development applications, and discussions with City staff regarding anticipated development trends for Kawartha Lakes.
- Based on the above indicators, the 2019 to 2031 household growth forecast is comprised of a unit mix of 70% low density (single detached, semi-detached and conversions), 17% medium density (multiples) and 13% high density (apartments).

2. Geographic Location of Residential Development (Appendix A – Schedule)

- Schedule 2 summarizes the anticipated amount, type and location of development for the City of Kawartha Lakes by urban settlement area, other water- or sewer-serviced areas, and remaining unserviced area.
- In accordance with forecast demand and available residential land supply, the percentage of forecast permanent housing growth between 2019 and 2031 by development location is summarized below.

3. Planning Period

- Short and longer-term time horizons are required for the D.C. process. The D.C.A. limits the planning horizon for certain services, such as parks, recreation and libraries, to a 10-year planning horizon. Services related to a highway, public works, fire, police, stormwater, water and wastewater services can utilize a longer planning period.



Development Location	Percentage of Housing Growth, 2019 to 2031
Lindsay	70%
Bobcaygeon	9%
Fenelon Falls	8%
Omeme	3%
Other-Water Serviced	<1%
Other-Sewer Serviced	<1%
Unserviced	10%
City Total	100%

4. Population in New Housing Units (Appendix A - Schedules 3, 4 and 5)

- The number of housing units to be constructed in the City of Kawartha Lakes during the short- and long-term periods is presented on Figure 3-2. Over the 2019 to 2031 forecast period, the City is anticipated to average approximately 1,000 new permanent and seasonal housing units per year.
- Institutional population¹ is anticipated to grow modestly by 468 persons between 2019 to 2031.
- Population in new housing units is derived from Schedules 3, 4, and 5, which incorporate historical development activity, anticipated units (see unit mix discussion) and average persons per unit (P.P.U.) by dwelling type for new housing units.
- Schedule 7 summarizes the P.P.U. for the new housing units by age and type of dwelling based on a 2016 custom Census data. The total calculated P.P.U. for all density types has been adjusted accordingly to account for the P.P.U. trends which have been recently experienced in both

¹ Institutional includes special care facilities such as nursing home or residences for senior citizens. A P.P.U. of 1.100 depicts 1-bedroom and 2 or more bedroom units in these special care facilities.



new and older units. Forecasted 15-year average P.P.U.s by dwelling type are as follows:

- Low density: 2.489
- Medium density: 2.214
- High density¹: 1.290

5. Existing Units and Population Change (Appendix A - Schedules 3, 4 and 5)

- Existing households for late-2019 are based on the 2016 Census households, plus estimated residential units constructed between 2016 and June-2019 assuming a 6-month lag between construction and occupancy (see Schedule 3).
- The decline in average occupancy levels for existing housing units is calculated in Schedules 3 through 5, by aging the existing population over the forecast period. The forecast population decline in existing households over the 2019 to 2031 forecast period is approximately 4,630.

6. Employment (Appendix A, Schedules 9a, 9b, 9c, 10 and 11)

- Employment projections are largely based on the activity rate method, which is defined as the number of jobs in a municipality divided by the number of residents. Key employment sectors include primary, industrial, commercial/ population-related, institutional, and work at home, which are considered individually below.
- 2016 employment data² (place of work) for the City is outlined in Schedule 9a. The 2016 employment base is comprised of the following sectors:
 - 450 primary (2%);
 - 3,165 work at home employment (15%);
 - 3,145 industrial (15%);
 - 7,520 commercial/population related (37%); and
 - 6,305 institutional (31%).

¹ Includes bachelor, 1-bedroom and 2 or more bedroom apartments

² 2016 employment is based on Statistics Canada 2016 Place of Work Employment dataset.



- The 2016 employment by usual place of work, including work at home, is estimated at 20,585. An additional 1,858 employees have been identified for the City in 2016 that have no fixed place of work (N.F.P.O.W.).¹ The 2016 employment base, including N.F.P.O.W., totals approximately 22,440.
- Total employment, including work at home and N.F.P.O.W., for the City of Kawartha Lakes is anticipated to reach approximately 26,380 by late-2029 and 27,000 by mid-2031. This represents an employment increase of 3,670 for the 10-year forecast period and 4,290 for the longer-term forecast period.
- Schedule 9b, Appendix A, summarizes the employment forecast, excluding work at home employment and N.F.P.O.W. employment, which is the basis for the D.C. employment forecast. The impact on municipal services from work at home employees has already been included in the population forecast. The need for municipal services related to N.F.P.O.W. employees has largely been included in the employment forecast by usual place of work (i.e. employment and gross floor area (G.F.A.) generated from N.F.P.O.W. construction employment). Furthermore, since these employees have no fixed work address, they cannot be captured in the non-residential G.F.A. calculation.
- Total employment for the City of Kawartha Lakes (excluding work at home and N.F.P.O.W. employment) is anticipated to reach approximately 20,180 by late-2029 and 20,610 by 2031. This represents an employment increase of 2,600 and 3,040 over the 10-year and longer-term forecast periods, respectively.

7. Non-Residential Sq.ft. Estimates (G.F.A.), Appendix A, Schedule 9b)

- Square footage estimates were calculated in Schedule 9b based on the following employee density assumptions:
 - 1,200 sq.ft. per employee for industrial;

¹ Statistics Canada defines "No Fixed Place of Work" (N.F.P.O.W.) employees as, "persons who do not go from home to the same work place location at the beginning of each shift. Such persons include building and landscape contractors, travelling salespersons, independent truck drivers, etc."



- 500 sq.ft. per employee for commercial/population-related; and
- 700 sq.ft. per employee for institutional employment.
- The City-wide incremental G.F.A. is anticipated to increase approximately 1.71 million sq.ft. over the 10-year forecast period and 1.99 million sq.ft. over the longer-term forecast period.
- In terms of percentage growth, the 2019 to 2031 incremental G.F.A. forecast by sector is broken down as follows:
 - industrial – 31%;
 - commercial/population-related – 49%; and
 - institutional – 20%.

8. Geographic Location of Non-Residential Development (Appendix A, Schedule 9c)

- Schedule 9c summarizes the anticipated amount, type and location of non-residential development for City of Kawartha Lakes by area.
- In accordance with forecast demand and available land supply, the percentage of forecast total non-residential growth between 2019 and 2031 by development location is summarized below.

Development Location	Percentage of Non-Residential G.F.A., 2019 to 2031
Lindsay	78%
Bobcaygeon	6%
Fenelon Falls	6%
Omeme	5%
Other-Water Serviced	2%
Other-Sewer Serviced	2%
Unserviced	1%
<i>Municipal Total</i>	<i>100%</i>



Chapter 4

The Approach to the Calculation of the Charge



4. The Approach to the Calculation of the Charge

4.1 Introduction

This chapter addresses the requirements of s.s.5(1) of the D.C.A. with respect to the establishment of the need for service which underpins the D.C. calculation. These requirements are illustrated schematically in Figure 4-1.

4.2 Services Potentially Involved

Table 4-1 lists the full range of municipal service categories which are provided within the City.

A number of these services are defined in s.s.2(4) of the D.C.A. as being ineligible for inclusion in D.C.s. These are shown as “ineligible” on Table 4-1. Two ineligible costs defined in s.s.5(3) of the D.C.A. are “computer equipment” and “rolling stock with an estimated useful life of (less than) seven years...” In addition, local roads are covered separately under subdivision agreements and related means (as are other local services). Services which are potentially eligible for inclusion in the City’s D.C. are indicated with a “Yes.”

4.3 Increase in the Need for Service

The D.C. calculation commences with an estimate of “the increase in the need for service attributable to the anticipated development,” for each service to be covered by the by-law. There must be some form of link or attribution between the anticipated development and the estimated increase in the need for service. While the need could conceivably be expressed generally in terms of units of capacity, s.s.5(1)3, which requires that City Council indicate that it intends to ensure that such an increase in need will be met, suggests that a project-specific expression of need would be most appropriate.



Figure 4-1
The Process of Calculating a Development Charge under the Act
that must be followed

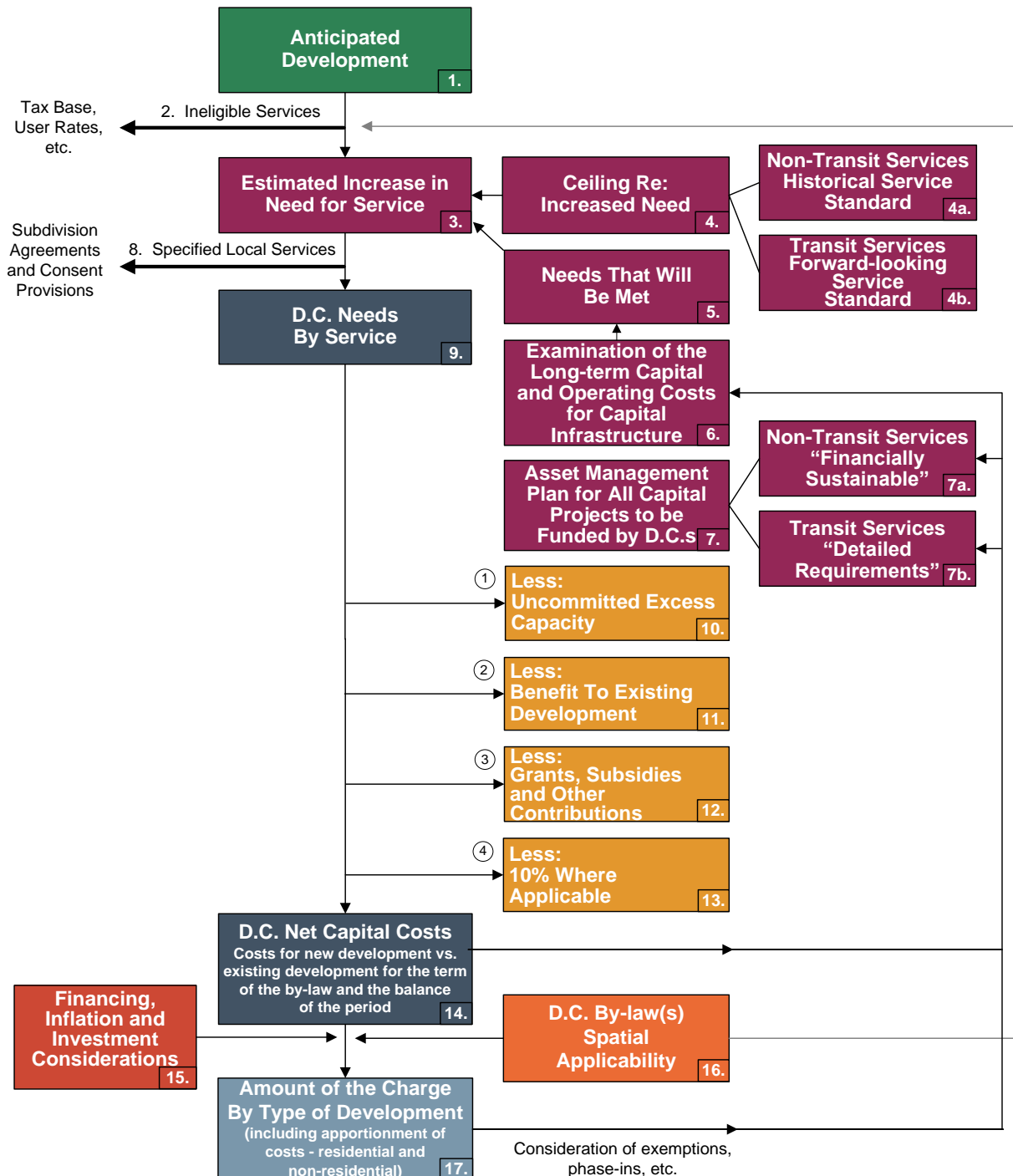




Table 4-1
Categories of Municipal Services to be Addressed as Part of the Calculation

Categories of Municipal Services	Eligibility for Inclusion in the D.C. Calculation	Service Components	Maximum Potential D.C. Recovery %
1. Services Related to a Highway	Yes	1.1 Arterial roads	100
	Yes	1.2 Collector roads	100
	Yes	1.3 Bridges, Culverts and Roundabouts	100
	No	1.4 Local municipal roads	0
	Yes	1.5 Traffic signals	100
	Yes	1.6 Sidewalks and streetlights	100
	Yes	1.7 Active Transportation	100
2. Other Transportation Services	Yes	2.1 Transit vehicles ¹ & facilities	100
	Yes	2.2 Other transit infrastructure	100
	No	2.3 Municipal parking spaces - indoor	90
	Yes	2.4 Municipal parking spaces - outdoor	90
	Yes	2.5 Works Yards	100
	Yes	2.6 Rolling stock ¹	100
	n/a	2.7 Ferries	90
	Yes	2.8 Airport	90
3. Stormwater Drainage and Control Services	No	3.1 Main channels and drainage trunks	100
	No	3.2 Channel connections	100
	No	3.3 Retention/detention ponds	100
4. Fire Protection Services	Yes	4.1 Fire stations	100
	Yes	4.2 Fire pumpers, aerials and rescue vehicles ¹	100
	Yes	4.3 Small equipment and gear	100

¹with 7+ year life time

*same percentage as service component to which it pertains
computer equipment excluded throughout



Categories of Municipal Services	Eligibility for Inclusion in the D.C. Calculation	Service Components	Maximum Potential D.C. Recovery %
5. Outdoor Recreation Services (i.e. Parks and Open Space)	Ineligible	5.1 Acquisition of land for parks, woodlots and E.S.A.s	0
	Yes	5.2 Development of area municipal parks	90
	Yes	5.3 Development of district parks	90
	Yes	5.4 Development of municipal-wide parks	90
	Yes	5.5 Development of special purpose parks	90
	Yes	5.6 Parks rolling stock ¹ and yards	90
6. Indoor Recreation Services	Yes	6.1 Arenas, indoor pools, fitness facilities, community centres, etc. (including land)	90
	Yes	6.2 Recreation vehicles and equipment ¹	90
7. Library Services	Yes	7.1 Public library space (incl. furniture and equipment)	90
	Yes	7.2 Library vehicles ¹	90
	Yes	7.3 Library materials	90
8. Electrical Power Services	Ineligible	8.1 Electrical substations	0
	Ineligible	8.2 Electrical distribution system	0
	Ineligible	8.3 Electrical system rolling stock	0
9. Provision of Cultural, Entertainment and Tourism Facilities and Convention Centres	Ineligible	9.1 Cultural space (e.g. art galleries, museums and theatres)	0
	Ineligible	9.2 Tourism facilities and convention centres	0
10. Wastewater Services	Yes	10.1 Treatment plants	100
	Yes	10.2 Sewage trunks	100
	No	10.3 Local systems	0
	Yes	10.4 Vehicles and equipment ¹	100

¹with 7+ year life time



Categories of Municipal Services	Eligibility for Inclusion in the D.C. Calculation	Service Components	Maximum Potential D.C. Recovery %
11. Water Supply Services	Yes	11.1 Treatment plants	100
	Yes	11.2 Distribution systems	100
	No	11.3 Local systems	0
	Yes	11.4 Vehicles and equipment ¹	100
12. Waste Management Services	Ineligible	12.1 Landfill collection, transfer vehicles and equipment	0
	Ineligible	12.2 Landfills and other disposal facilities	0
	Yes	12.3 Waste diversion facilities	90
	Yes	12.4 Waste diversion vehicles and equipment ¹	90
13. Police Services	Yes	13.1 Police detachments	100
	Yes	13.2 Police rolling stock ¹	100
	Yes	13.3 Small equipment and gear	100
14. Homes for the Aged	No	14.1 Homes for the aged space	90
	No	14.2 Vehicles ¹	90
15. Child Care	No	15.1 Child care space	90
	no	15.2 Vehicles ¹	90
16. Health	No	16.1 Health department space	90
	No	16.2 Health department vehicles ¹	90
17. Social Housing	Yes	17.1 Social Housing space	90
18. Provincial Offences Act (P.O.A.)	No	18.1 P.O.A. space	90
19. Social Services	No	19.1 Social service space	90
20. Ambulance	Yes	20.1 Ambulance station space	90
	Yes	20.2 Vehicles ¹	90
21. Hospital Provision	Ineligible	21.1 Hospital capital contributions	0

¹with 7+ year life time



Categories of Municipal Services	Eligibility for Inclusion in the D.C. Calculation	Service Components	Maximum Potential D.C. Recovery %
22. Provision of Headquarters for the General Administration of Municipalities and Area Municipal Boards	Ineligible Ineligible Ineligible	22.1 Office space 22.2 Office furniture 22.3 Computer equipment	0 0 0
23. Other Services	Yes Yes	23.1 Studies in connection with acquiring buildings, rolling stock, materials and equipment, and improving land ² and facilities, including the D.C. background study cost 23.2 Interest on money borrowed to pay for growth-related capital	 0-100 0-100

¹with a 7+ year life time

²same percentage as service component to which it pertains

Eligibility for Inclusion in the D.C. Calculation	Description
Yes	Municipality provides the service – service has been included in the D.C. calculation.
No	Municipality provides the service – service has not been included in the D.C. calculation.
n/a	Municipality does not provide the service.
Ineligible	Service is ineligible for inclusion in the D.C. calculation.



4.4 Local Service Policy

Some of the need for services generated by additional development consists of local services related to a plan of subdivision. As such, they will be required as a condition of subdivision agreements or consent conditions. The City's Local Service Policy is included in Appendix E.

4.5 Capital Forecast

Paragraph 7 of s.s.5(1) of the D.C.A. requires that “the capital costs necessary to provide the increased services must be estimated.” The Act goes on to require two potential cost reductions and the Regulation sets out the way in which such costs are to be presented. These requirements are outlined below.

These estimates involve capital costing of the increased services discussed above. This entails costing actual projects or the provision of service units, depending on how each service has been addressed.

The capital costs include:

- a) costs to acquire land or an interest therein (including a leasehold interest);
- b) costs to improve land;
- c) costs to acquire, lease, construct or improve buildings and structures;
- d) costs to acquire, lease or improve facilities, including rolling stock (with a useful life of 7 or more years), furniture and equipment (other than computer equipment), materials acquired for library circulation, reference or information purposes;
- e) interest on money borrowed to pay for the above-referenced costs;
- f) costs to undertake studies in connection with the above-referenced matters; and
- g) costs of the D.C. background study.

In order for an increase in need for service to be included in the D.C. calculation, Council must indicate “...that it intends to ensure that such an increase in need will be met” (s.s.5 (1)3). This can be done if the increase in service forms part of a Council-approved Official Plan, capital forecast or similar expression of the intention of Council



(O.Reg. 82/98 s.3). The capital program contained herein reflects the City's approved and proposed capital budgets and master servicing/needs studies.

4.6 Treatment of Credits

Section 8, paragraph 5, of O.Reg. 82/98 indicates that a D.C. background study must set out "the estimated value of credits that are being carried forward relating to the service." Subsection 17, paragraph 4, of the same Regulation indicates that "...the value of the credit cannot be recovered from future D.C.s," if the credit pertains to an ineligible service. This implies that a credit for eligible services can be recovered from future D.C.s. As a result, this provision should be made in the calculation, in order to avoid a funding shortfall with respect to future service needs. The City has accounted for outstanding D.C. credit obligations in the estimated D.C. reserve fund balances used in the calculation of the charge.

4.7 Eligible and Committed Excess Capacity

Section 66 of the D.C.A., states that for the purposes of developing a D.C. by-law, a debt incurred with respect to an eligible service may be included as a capital cost, subject to any limitations or reductions in the Act. Similarly, s.18 of O.Reg. 82/98 indicates that debt with respect to an ineligible service may be included as a capital cost, subject to several restrictions.

In order for such costs to be eligible, two conditions must apply. First, they must have funded excess capacity which is able to meet service needs attributable to the anticipated development. Second, the excess capacity must be "committed," that is, either before or at the time it was created, Council must have expressed a clear intention that it would be paid for by D.C.s or other similar charges. For example, this may have been done as part of previous D.C. processes.

4.8 Existing Reserve Funds

Section 35 of the D.C.A. states that:

"The money in a reserve fund established for a service may be spent only for capital costs determined under paragraphs 2 to 8 of subsection 5(1)."



There is no explicit requirement under the D.C.A. calculation method set out in s.s.5(1) to net the outstanding reserve fund balance as part of making the D.C. calculation; however, s.35 does restrict the way in which the funds are used in future.

The City's uncommitted D.C. Reserve Fund Balance by service as projected for year-end 2019 is presented in the table below. These balances have been applied against future spending requirements for all D.C. services.

Table 4-2
D.C. Reserve Fund Balances (projected at year-end 2019)

Service	Totals
Health and Social	840,337
Library	(16,644)
Parks and Recreation	(1,276,586)
Fire	(1,080,259)
Paramedic	86,625
Police	888,410
Airport	232,126
Transit	(229,320)
Administration	(2,527,713)
Water Treatment	1,569,240
Water Distribution	390,616
Wastewater Treatment	6,643,671
Wastewater Collection	(14,257,469)
Roads and Related	651,021
Waste Diversion	
By-Law Enforcement	
Municipal Parking	
Total	(\$8,085,946)

Note: Amounts in brackets are deficit balances.

4.9 Deductions

The D.C.A. potentially requires that five deductions be made to the increase in the need for service. These relate to:

- the level of service ceiling;
- uncommitted excess capacity;
- benefit to existing development;
- anticipated grants, subsidies and other contributions; and



- 10% reduction for certain services.

The requirements behind each of these reductions are addressed as follows:

4.9.1 Reduction Required by Level of Service Ceiling

This is designed to ensure that the increase in need included in 4.3 does “...not include an increase that would result in the level of service (for the additional development increment) exceeding the average level of the service provided in the City over the 10-year period immediately preceding the preparation of the background study...” O.Reg. 82.98 (s.4) goes further to indicate that “...both the quantity and quality of a service shall be taken into account in determining the level of service and the average level of service.”

In many cases, this can be done by establishing a quantity measure in terms of units as floor area, land area or road length per capita and a quality measure, in terms of the average cost of providing such units based on replacement costs, engineering standards or recognized performance measurement systems, depending on circumstances. When the quantity and quality factor are multiplied together, they produce a measure of the level of service, which meets the requirements of the Act, i.e. cost per unit.

With respect to transit services, the changes to the Act as a result of Bill 73 have provided for an alternative method for calculating the services standard ceiling. Transit services must now utilize a forward-looking service standard analysis, described later in this section.

The average service level calculation sheets for each service component in the D.C. calculation are set out in Appendix B.

4.9.2 Reduction for Uncommitted Excess Capacity

Paragraph 5 of s.s.5(1) requires a deduction from the increase in the need for service attributable to the anticipated development that can be met using the City’s “excess capacity,” other than excess capacity which is “committed.”

“Excess capacity” is undefined, but in this case must be able to meet some or all of the increase in need for service, in order to potentially represent a deduction. The



deduction of uncommitted excess capacity from the future increase in the need for service would normally occur as part of the conceptual planning and feasibility work associated with justifying and sizing new facilities, e.g. if a road widening to accommodate increased traffic is not required because sufficient excess capacity is already available, then widening would not be included as an increase in need, in the first instance.

4.9.3 Reduction for Benefit to Existing Development

Section 5(1)6 of the D.C.A. provides that, “The increase in the need for service must be reduced by the extent to which an increase in service to meet the increased need would benefit existing development.” The general guidelines used to consider benefit to existing development included the following:

- the repair or unexpanded replacement of existing assets that are in need of repair;
- an increase in average service level of quantity or quality (compare water as an example);
- the elimination of a chronic servicing problem not created by growth; and
- providing services where none previously existed (generally considered for water or wastewater services).

This step involves a further reduction in the need, by the extent to which such an increase in service would benefit existing development. The level of services cap in 4.4 is related but is not the identical requirement. Sanitary, storm and water trunks are highly localized to growth areas and can be more readily allocated in this regard than other services such as services related to a highway, which do not have a fixed service area.

Where existing development has an adequate service level which will not be tangibly increased by an increase in service, no benefit would appear to be involved. For example, where expanding existing library facilities simply replicates what existing residents are receiving, they receive very limited (or no) benefit as a result. On the other hand, where a clear existing service problem is to be remedied, a deduction should be made accordingly.



In the case of services such as recreation facilities, community parks, libraries, etc., the service is typically provided on a City-wide system basis. For example, facilities of the same type may provide different services (i.e. leisure pool vs. competitive pool), different programs (i.e. hockey vs. figure skating) and different time availability for the same service (i.e. leisure skating available on Wednesday in one arena and Thursday in another). As a result, residents will travel to different facilities to access the services they want at the times they wish to use them, and facility location generally does not correlate directly with residence location. Even where it does, displacing users from an existing facility to a new facility frees up capacity for use by others and generally results in only a very limited benefit to existing development. Further, where an increase in demand is not met for a number of years, a negative service impact to existing development is involved for a portion of the planning period.

4.9.4 Reduction for Anticipated Grants, Subsidies and Other Contributions

This step involves reducing the capital costs necessary to provide the increased services by capital grants, subsidies and other contributions (including direct developer contributions required due to the local service policy) made or anticipated by Council and in accordance with various rules such as the attribution between the share related to new vs. existing development (O.Reg. 82.98 s.6). That is, some grants and contributions may not specifically be applicable to growth or where Council targets fundraising as a measure to offset impacts on taxes. Moreover, Gas Tax revenues are typically used to fund non-growth-related works or the non-growth share of D.C. projects, given that the contribution is not being made in respect of particular growth-related capital projects.

4.9.5 The 10% Reduction

Paragraph 8 of s.s. (1) of the D.C.A. requires that, “the capital costs must be reduced by 10 percent.” This paragraph does not apply to water supply services, wastewater services, stormwater drainage and control services, services related to a highway, police and fire protection services. The primary services to which the 10% reduction does apply include services such as parks and recreation, libraries, childcare/social services, the Provincial Offences Act, ambulance, homes for the aged, and health.



The 10% is to be netted from the capital costs necessary to provide the increased services, once the other deductions have been made, as per the infrastructure costs sheets in Chapter 5.

4.10 Municipal-Wide vs. Area Rating

This step involves determining whether all of the subject costs are to be recovered on a uniform municipal-wide basis or whether some or all are to be recovered on an area-specific basis. Under the D.C.A., it is now mandatory to “consider” area-rating of services (providing charges for specific areas and services), however, it is not mandatory to implement area-rating. Further discussion is provided in section 7.3.8.

4.11 Allocation of Development

This step involves relating the costs involved to anticipated development for each period under consideration and using allocations between residential and non-residential development and between one type of development and another, to arrive at a schedule of charges.



Chapter 5

D.C.-Eligible Cost Analysis by Service



5. D.C.-Eligible Cost Analysis by Service

This chapter outlines the basis for calculating eligible costs for the D.C.s to be applied on a uniform basis. In each case, the required calculation process set out in s.5(1) paragraphs 2 to 8 in the D.C.A. and described in Chapter 4, was followed in determining D.C. eligible costs.

The nature of the capital projects and timing identified in this Chapter reflects Council's current intention. However, over time, municipal projects and Council priorities change and accordingly, Council's intentions may be modified and different capital projects (and timing) may be required to meet the need for services required by new growth.

5.1 Service Levels and 10-Year Capital Costs for City-Wide D.C. Calculation

This section evaluates the development-related capital requirements for all of the City-wide services assessed over a 10-year planning period. Each service component is evaluated on two format sheets: the average historical 10-year level of service calculation (see Appendix B), which "caps" the D.C. amounts; and the infrastructure cost calculation, which determines the potential D.C. recoverable cost.

5.1.1 *Parking Services*

The City currently provides parking services through the provision of 24,511 sq.m. of parking spaces in municipal parking lots. The invested level of service over the 2010-2019 period averages \$60 per capita and employee. The maximum D.C. eligible amount for parking services over the 10-year forecast period that could be included in the calculation is \$1.2 million based on the established level of service standard.

The 10-year capital needs for parking services to accommodate growth have a total gross capital cost of approximately \$3.4 million. These capital needs include development of additional parking lots and the undertaking of a Downtown Parking Strategy. Approximately \$2.1 million has been deducted from the gross capital costs for the benefit to development beyond the 10-year forecast period. A further \$25,000 has been deducted reflecting the benefit to existing development. After deducting \$120,633 for the statutory 10% deduction, \$1.1 million has been included in the calculation of the charge.



The forecast growth-related costs have been allocated to 87% to residential development and 17% to non-residential development based on the relationship of incremental population (17,438) and employment (2,604) growth over the forecast period.

5.1.2 Airport Services

The City operates a municipal airport located in the community of Lindsay. The airport contains 32,547 square feet of facility space, including an airport terminal and 3 aircraft hangers, as well as various developed land (runways, taxiways etc.) and equipment. This historical level of investment of \$197 per capita and employee provides for a maximum D.C. eligible amount over the forecast period of \$3.9 million.

The anticipated capital needs included in the D.C. arise from the City's *Airport Business Plan* and capital budget. The gross capital costs estimate totals \$6.4 million, including additional airport site works of \$5.0 million, \$1.1 million for facility development, and \$245,000 for the renewal of the *Airport Business Plan* and Airport Capital Plan over the forecast period. The gross capital cost estimate has been reduced by \$5.9 million to account for the benefit to existing development. This deduction is based on the share of itinerant movements that are anticipated from existing residents with the further development of the airport. Moreover, approximately \$232,126 has been deducted from the potential D.C. recoverable costs for existing reserve fund balances. After deducting the 10% statutory deduction, the net growth-related capital costs included in the charge totals \$208,897.

The allocation of net growth-related costs for airport services between residential, and non-residential development is development is 87% and 13% respectively based on the incremental growth in population to employment over the 10-year forecast period.

5.1.3 Parks and Recreation Services

The City currently maintains 24,594 sq.ft. of parks buildings and approximately 279,200 parkland amenity items. Furthermore, the City also maintains approximately 506,500 sq.ft. of indoor recreation facilities space, and 82 vehicle and equipment items. The average invested level of service over the 2010-2019 historical period is \$5,516 per capita. The maximum D.C. eligible amount for parks and recreation services over the 10-year forecast period that could be included in the calculation is \$96.2 million based on the established level of service standard.



The 10-year capital needs for parks and recreation services to accommodate the increase in needs of growth have a total gross capital cost estimate of \$13.8 million. These capital needs include park and trail development, fleet and equipment items, parks and recreation related studies, and the upgrade and expansion of the Forbert Memorial Pool. To reflect the benefit to growth beyond the 10-year forecast period, \$751,341 has been deducted as a post period benefit for the Bobcaygeon Beach Park Redevelopment and the Logie Park Redevelopment (Lilac Park) projects. A further \$7.9 million has been deducted reflecting the benefit to existing development, while \$523,321 has been deducted for the statutory 10% deduction.

The existing Parks and Recreation Services D.C. reserve fund deficit balance of \$1.3 million has been added to the D.C. recoverable capital costs. This recognizes Council's committed excess capacity that needs to be recovered from the next increment of development. The resultant net growth-related capital costs for inclusion in the D.C. calculation total \$6.0 million.

As the predominant users of parks and recreation services are residential, the D.C. recoverable capital costs have been allocated 95% to residential development and 5% to non-residential development.

5.1.4 Library Services

The City provides library services to its residents through the operation of 18 branches comprising 36,445 sq.ft. of G.F.A, and one courier van. The 18 branches contained 174,746 collection items (e.g. books, periodicals, etc.). Based on this inventory of assets, the average historical 10-year level of service is \$96 per capita. This translates into a maximum eligible D.C. amount of \$3.4 million for library services over the 10-year forecast period.

The gross capital costs included in the D.C. calculation for library services total \$4.7 million. The capital needs are identified in the City's 2015 D.C. Background Study, Library Strategic Plan, Service Delivery Model, and capital budget. Deductions of \$0.7 million have been applied for benefits to growth beyond the 10-year forecast period. A further deduction has been applied totaling \$549,054 for the benefit to existing development resulting from the replacement of existing space and towards future Library Master Plans. The required 10% statutory deduction totals \$341,045, and has been applied in the calculations. Including the existing Library Services D.C. reserve



fund deficit of \$16,644, the resultant net capital cost of \$3.1 million has been included in the calculation of the charge.

Similar to Parks and Recreation Services, as the predominant users of library services tend to be residents of the City, the forecast growth-related costs have been allocated 95% to future residential development and 5% to non-residential development.

5.1.5 Paramedic Services

Paramedic services are provided by the City through the operation of 23,642 sq.ft. of facility space, 19 vehicles and 147 pieces of equipment. Based on the average historical 10-year level of service provided (\$105 per capita and employee) and the incremental population and employment growth over the 10-year forecast period, the maximum D.C. eligible amount that could be included in the charge is \$2.1 million.

The anticipated increase in need for paramedic services are generally identified in prior D.C background studies, and in the City's Paramedic Services Master Plan. The gross capital costs included in the D.C. calculation total \$13.4 million. These capital costs include construction costs for the South Fleet Centre and Headquarters, and the North Fleet Centre to reflect the City's consolidation and expansion of paramedic services. Additional fleet and equipment, growth-related studies, and costs related to unfunded D.C. eligible projects have also been included in the calculation of the charge.

Approximately \$3.9 million (or 29% of gross capital costs) have been deducted to reflect benefits accruing to development beyond the 10-year forecast period. For the needs within the 10-year forecast period, \$7.3 million has been deducted as a benefit to existing development for the replacement of existing facility space. The remaining capital costs have been further reduced by \$219,765 reflective of the 10% statutory deduction.

Incorporating the Paramedic Services D.C. reserve fund balance of \$86,625, the net growth-related capital costs total \$1.9 million. These D.C. recoverable capital costs have been apportioned to residential and non-residential development based on the relative incremental growth in population to employment over the forecast period. The resultant distribution of costs is 87% residential and 13% non-residential.



5.1.6 Municipal By-law Enforcement

Municipal by-law enforcement services are provided within the City through the provision of 1,200 sq.ft. of facility space, seven vehicles, and equipment for nine officers. In aggregate, the per capital and employee level of service over the 2010-2019 historical period averages \$8. The total maximum D.C. eligible amount that could be included in the calculation of the charge based on the historical level of service is \$157,731.

To provide services to the incremental growth over the forecast period, additional facility space, fleet, equipment, and studies are required. The total gross capital cost estimate for these needs are \$533,272. After deducting \$17,124 for the benefit to development beyond the 10-year forecast period, \$358,418 for the benefit to existing development of replacing the existing facility space, and \$15,773 for the 10% statutory deduction, a total net capital cost of \$141,957 has been included in the calculation of the charge.

These net capital costs have been allocated to residential and non-residential development based on the incremental growth in population and employment over the forecast period to 2029 (i.e. 87% residential and 13% non-residential).

5.1.7 Health and Social Services

The City's health and social services provide 141,219 sq.ft. of facility space, as well as 673 housing units to address existing service needs. In addition, the operation of 18 vehicles is also provided by the City for this purpose. As a result, the historical level of service investment in health and social services provides for a maximum D.C. eligible amount of \$33.4 million for consideration of the increase in needs over the 2020-2029 period.

The Kawartha Lakes-Haliburton Housing Corporation Master Plan and Homeless Plan identifies the needs of additional social housing units over the forecast period to 2041. In this regard, capital costs have been identified for the creation of 81 additional housing units that will meet the long term service needs. The growth capital cost for the projects total \$17.5 million. After deduction \$14.7 million for the benefit to existing development, \$283,673 for the statutory 10% deduction, and \$840,337 for existing D.C. reserve funds collected towards these needs, net capital costs of \$1.7 million has been included in the calculation of the charge.



The net growth-related costs have been allocated 100% residential based on service demands.

5.1.8 Waste Diversion Services

The City provides a total of 24,252 sq.ft. of solid waste management facility space, of which 7,165 sq.ft. (30%) is for waste diversion services D.C. eligible. The facility space related to landfill services have been excluded from the historical level of service calculations, as these services are ineligible services under the D.C.A. Moreover, 102 vehicle and equipment items and other siteworks items are provided for solid waste management services, which on average 21% relate to waste diversion services. In total, this capital investment in waste diversion services results in a 10-year historical average level of service of \$61 per capita and employee. Applying this historical average level of service to the anticipated development over the 10-year forecast period, the City would be eligible to collect a maximum of \$1.2 million for this purpose.

The City has identified a provision for the capital-related waste diversion contract costs with a total gross cost of \$611,586. Furthermore, additional waste management studies have also been identified in the D.C. program totaling \$1.5 million. After deducting \$1.0 million reflective of the non-waste diversion services share of the anticipated needs, \$396,433 for the benefit to existing development, and \$70,715 for the statutory 10% deduction, the net D.C. recoverable costs included in the calculation of the charge total \$636,438.

The D.C. eligible capital costs for waste diversion services have been allocated 87% to residential development and 13% to non-residential development, based on the anticipated population and employment over the forecast period.

5.1.9 Administration Studies

The City has made provision for the inclusion of new studies undertaken to facilitate this D.C. process, as well as other studies which benefit growth (in whole or in part). The list of studies includes future D.C. background studies, Growth Management Studies, Official Plan Reviews, and Zoning By-law Reviews, among others.

The cost of these studies totals over the forecast period \$1.8 million. Approximately \$693,000 is deducted as a benefit to existing development. A further \$111,734 has been deducted from the capital costs reflective of the statutory 10% deduction for soft



services. Adding \$2.5 million in capital needs for existing Administration Studies D.C. reserve fund deficit balance, a net capital cost of \$3.5 million has been included in the calculation of the D.C.

These costs have been allocated 87% residential and 13% non-residential based on the incremental growth in population to employment over the 10-year forecast period.

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Infrastructure Costs Covered in the D.C. Calculation – Parking Services

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Subtotal	Less:	Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development		Other (e.g. 10% Statutory Deduction)	Total	Residential Share	Non-Residential Share
	2020-2029										87%	13%
	Parking		-	-	-	-		-	-	-	-	-
1	William St. S. Parking Lot (12 Surface Spaces)	2021	75,000		75,000	-		75,000	7,500	67,500	58,725	8,775
2	Urban / Downtown Off-Street Parking Provision - 519 Surface Spaces	2024	3,235,000	2,178,672	1,056,328	-		1,056,328	105,633	950,695	827,105	123,590
	Studies		-	-	-	-		-	-	-	-	-
3	Downtown Parking Strategy	2029	100,000	-	100,000	25,000		75,000	7,500	67,500	58,725	8,775
			-	-	-	-		-	-	-	-	-
			-	-	-	-		-	-	-	-	-
			-	-	-	-		-	-	-	-	-
			-	-	-	-		-	-	-	-	-
								-		-	-	-
	Total		3,410,000	2,178,672	1,231,328	25,000	-	1,206,328	120,633	1,085,695	944,555	141,140



Infrastructure Costs Covered in the D.C. Calculation – Airport Services

Prj.No	Increased Service Needs Attributable to Anticipated Development 2020-2029	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Subtotal	Less: Other (e.g. 10% Statutory Deduction)	Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions			Total	Residential Share 87%	Non- Residential Share 13%
	Airport Site Works		-	-	-	-		-	-	-	-	-
1	Aircraft Parking Lot and Apron Rehabilitation	2020	87,400	-	87,400	80,693		6,707	671	6,036	5,252	785
2	Aircraft Parking Lot and Apron Lighting Upgrades	2020	17,000	-	17,000	15,695		1,305	130	1,174	1,021	153
3	Runway 13-31 Resurfacing and Expansion	2024	1,250,000	-	1,250,000	1,154,077		95,923	9,592	86,331	75,108	11,223
4	Runway 13-31 GPS, ODALS, PAPI and REILS	2022	224,000	-	224,000	206,811		17,189	1,719	15,471	13,459	2,011
5	Runway 13-31 Parallel Taxiway	2024	1,236,900	-	1,236,900	1,141,982		94,918	9,492	85,426	74,321	11,105
6	Water and Sewer Connection	2025	226,100	-	226,100	208,749		17,351	1,735	15,616	13,586	2,030
7	Runway 03-21 Improvements	2023	1,380,100	-	1,380,100	1,274,193		105,907	10,591	95,316	82,925	12,391
8	Commercial/Hanger Service Roads	2023	304,100	-	304,100	280,764		23,336	2,334	21,003	18,272	2,730
9	Perimeter Fencing	2022	322,100	-	322,100	297,382		24,718	2,472	22,246	19,354	2,892
	Buildings		-	-	-	-		-	-	-	-	-
10	Commercial/Hanger Area Development	2021	282,600	-	282,600	260,914		21,686	2,169	19,518	16,980	2,537
11	6-Unit T-Hanger	2023	395,600	-	395,600	365,242		30,358	3,036	27,322	23,770	3,552
12	6-Unit T-Hanger	2026	395,600	-	395,600	365,242		30,358	3,036	27,322	23,770	3,552
	Studies		-	-	-	-		-	-	-	-	-
13	Airport Business Plan	2021	45,000	-	45,000	41,547		3,453	345	3,108	2,704	404
14	Airport Business Plan	2026	45,000	-	45,000	41,547		3,453	345	3,108	2,704	404
15	Airport Capital Plan	2020	55,000	-	55,000	50,779		4,221	422	3,799	3,305	494
16	Airport Capital Plan	2026	100,000	-	100,000	92,326		7,674	767	6,906	6,009	898
	Unfunded D.C. Eligible Costs	2020	1,322	-	1,322	-		1,322		1,322	1,150	172
	Reserve Fund Adjustment							(232,126)		(232,126)	(201,950)	(30,176)
			-	-	-	-						
	Total		6,367,822	-	6,367,822	5,877,943	-	257,753	48,856	208,897	181,740	27,157



Infrastructure Costs Covered in the D.C. Calculation – Parks and Recreation Services

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Subtotal	Less:	Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable		Other (e.g. 10% Statutory Deduction)	Total	Residential Share 95%	Non-Residential Share 5%
	2020-2029											
	Buildings & Parkland Improvement		-	-	-	-		-	-	-	-	-
1	Forbert Memorial Pool Upgrade and Expansion	2027	847,700	-	847,700	452,107		395,593	39,559	356,034	338,232	17,802
2	Bobcaygeon Beach Park Redevelopment	2020-2021	6,000,000	512,278	5,487,722	4,606,870		880,852	88,085	792,767	753,129	39,638
3	Jennings Creek Parkland Development - Mayor Flynn Park	2021	90,000	-	90,000	-		90,000	9,000	81,000	76,950	4,050
4	Jennings Creek Parkland Development - Orchard Park	2022	130,000	-	130,000	-		130,000	13,000	117,000	111,150	5,850
5	Jennings Creek Parkland Development - Sylvester Park	2025	130,000	-	130,000	-		130,000	13,000	117,000	111,150	5,850
6	Jennings Creek Parkland Development - Auden Park	2024	130,000	-	130,000	-		130,000	13,000	117,000	111,150	5,850
7	Lindsay Trail Development - Albert St. S. to Adelaide St. S.	2020	40,000	-	40,000	4,000		36,000	3,600	32,400	30,780	1,620
8	Lindsay Trail Development - Angeline St. S. to Broad St.	2022	47,000	-	47,000	4,700		42,300	4,230	38,070	36,167	1,904
9	Lindsay Trail Development - Commerce Rd. to Moose Rd.	2022	40,000	-	40,000	4,000		36,000	3,600	32,400	30,780	1,620
10	Lindsay Trail Development - Trans-Canada Trail to Mary St. W.	2024	24,000	-	24,000	2,400		21,600	2,160	19,440	18,468	972
11	Lindsay Trail Development - Wilson Fields Area	2023	170,000	-	170,000	85,000		85,000	8,500	76,500	72,675	3,825
12	Lindsay Trail Development - Jennings Creek Development Area	2025	450,000	-	450,000	45,000		405,000	40,500	364,500	346,275	18,225
13	Lindsay Trail Development - Scugog River Crossing	2029	169,000	-	169,000	84,500		84,500	8,450	76,050	72,248	3,803
14	Lindsay Trail Development - Scugog River Crossing to Rivera Park	2028	195,000	-	195,000	19,500		175,500	17,550	157,950	150,053	7,898
15	Lindsay Trail Development - Rivera Park to Wellington St. Bridge	2021	61,000	-	61,000	30,500		30,500	3,050	27,450	26,078	1,373
16	Lindsay Trail Development - Logie St. to Rainbow Bridge to Water S	2021	10,000	-	10,000	5,000		5,000	500	4,500	4,275	225
17	Lindsay Trail Development - Melbourne St. E. to Iron Bridge	2021	19,000	-	19,000	9,500		9,500	950	8,550	8,123	428
18	Lindsay Trail Development - Rotary Trail to Logie Park	2027	72,000	-	72,000	7,200		64,800	6,480	58,320	55,404	2,916
19	Logie Park Development	2020	1,700,000	-	1,700,000	170,000		1,530,000	153,000	1,377,000	1,308,150	68,850
20	Logie Park Redevelopment (Lilac Park)	2020	2,800,000	239,063	2,560,937	2,149,873		411,064	41,106	369,958	351,460	18,498
	Fleet & Equipment		-	-	-	-		-	-	-	-	-
21	Grass Cutting Unit	2029	35,000	-	35,000	17,500		17,500	1,750	15,750	14,963	788
22	Trailer	2029	10,000	-	10,000	5,000		5,000	500	4,500	4,275	225
	Studies		-	-	-	-		-	-	-	-	-
23	Parks Master Plan	2024	150,000	-	150,000	37,500		112,500	11,250	101,250	96,188	5,063
24	Parks, Recreation, and Culture Strategic Plan	2022	175,000	-	175,000	43,750		131,250	13,125	118,125	112,219	5,906
24	Trails Master Plan	2020	165,000	-	165,000	41,250		123,750	12,375	111,375	105,806	5,569
26	Arena Master Plan	2026	200,000	-	200,000	50,000		150,000	15,000	135,000	128,250	6,750
	Reserve Fund Adjustment							1,276,586		1,276,586	1,212,756	63,829
	Total		13,859,700	751,341	13,108,359	7,875,149	-	6,509,796	523,321	5,986,475	5,687,151	299,324



Infrastructure Costs Covered in the D.C. Calculation – Library Services

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Subtotal	Less:	Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development		Other (e.g. 10% Statutory Deduction)	Total	Residential Share	Non-Residential Share
	2020-2029										95%	5%
	Buildings		-	-	-	-		-	-	-	-	-
1	Fenelon Falls Library Expansion	2023	200,000		200,000	-		200,000	20,000	180,000	171,000	9,000
2	Lindsay Library Expansion	2026	901,400	698,633	202,767	-		202,767	20,277	182,490	173,366	9,125
3	Omeme Library Expansion - Lease	2020-2029	180,376		180,376	46,221		134,155	13,415	120,739	114,702	6,037
4	Coboconk Library Expansion	2021	575,000		575,000	-		575,000	57,500	517,500	491,625	25,875
5	Bobcaygeon Library Expansion	2020-2021	1,500,000		1,500,000	482,833		1,017,167	101,717	915,451	869,678	45,773
	Library Materials		-	-	-	-		-	-	-	-	-
6	Collection Expansion	2020	122,136	-	122,136	-		122,136	12,214	109,922	104,426	5,496
7	Collection Expansion	2021	122,136	-	122,136	-		122,136	12,214	109,922	104,426	5,496
8	Collection Expansion	2022	122,136	-	122,136	-		122,136	12,214	109,922	104,426	5,496
9	Collection Expansion	2023	122,136	-	122,136	-		122,136	12,214	109,922	104,426	5,496
10	Collection Expansion	2024	122,136	-	122,136	-		122,136	12,214	109,922	104,426	5,496
11	Collection Expansion	2025	122,136	-	122,136	-		122,136	12,214	109,922	104,426	5,496
12	Collection Expansion	2026	122,136	-	122,136	-		122,136	12,214	109,922	104,426	5,496
13	Collection Expansion	2027	122,136	-	122,136	-		122,136	12,214	109,922	104,426	5,496
14	Collection Expansion	2028	122,136	-	122,136	-		122,136	12,214	109,922	104,426	5,496
15	Collection Expansion	2029	122,136	-	122,136	-		122,136	12,214	109,922	104,426	5,496
	Studies		-	-	-	-		-	-	-	-	-
16	Library Master Plan	2023	40,000	-	40,000	10,000		30,000	3,000	27,000	25,650	1,350
17	Library Master Plan	2028	40,000	-	40,000	10,000		30,000	3,000	27,000	25,650	1,350
			-	-	-	-		-	-	-	-	-
	Reserve Fund Adjustment							16,644		16,644	15,812	832
	Total		4,658,134	698,633	3,959,500	549,054	-	3,427,090	341,045	3,086,045	2,931,743	154,302



Infrastructure Costs Covered in the D.C. Calculation – Paramedic Services

Prj.No	Increased Service Needs Attributable to Anticipated Development 2020-2029	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Subtotal	Less:	Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable		Other (e.g. 10% Statutory Deduction)	Total	Residential Share 87%	Non-Residential Share 13%
	Buildings		-	-	-	-		-	-	-	-	-
1	South Fleet Centre and Headquarters	2022	7,999,000	2,443,425	5,555,575	5,199,350		356,225	35,623	320,603	278,924	41,678
2	North Fleet Centre	2027	3,783,000	1,452,728	2,330,272	2,118,480		211,792	21,179	190,613	165,833	24,780
	Fleet & Equipment		-	-	-	-		-	-	-	-	-
3	Paramedic Equipment	2022	16,500		16,500	-		16,500	1,650	14,850	12,920	1,931
4	Paramedic Equipment	2024	16,500		16,500	-		16,500	1,650	14,850	12,920	1,931
5	Paramedic Equipment	2026	16,500		16,500	-		16,500	1,650	14,850	12,920	1,931
6	Paramedic Equipment	2028	16,500		16,500	-		16,500	1,650	14,850	12,920	1,931
7	Ambulance	2022	250,000		250,000	-		250,000	25,000	225,000	195,750	29,250
8	Ambulance	2024	250,000		250,000	-		250,000	25,000	225,000	195,750	29,250
9	Ambulance	2026	250,000		250,000	-		250,000	25,000	225,000	195,750	29,250
10	Ambulance	2028	250,000		250,000	-		250,000	25,000	225,000	195,750	29,250
11	Emergency Response Unit	2025	160,000		160,000	-		160,000	16,000	144,000	125,280	18,720
	Studies		-	-	-	-		-	-	-	-	-
12	Paramedic Deployment Review and Master Plan	2020	100,000	-	100,000	25,000		75,000	7,500	67,500	58,725	8,775
			-	-	-	-		-	-	-	-	-
	Unfunded D.C. Eligible Projects	2020	328,632		328,632	-		328,632	32,863	295,769	257,319	38,450
	Reserve Fund Adjustment							(86,625)		(86,625)	(75,364)	(11,261)
			-	-	-	-		-	-	-	-	-
	Total		13,436,632	3,896,152	9,540,479	7,342,830	-	2,111,024	219,765	1,891,259	1,645,395	245,864



Infrastructure Costs Covered in the D.C. Calculation – Municipal By-Law Enforcement

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Subtotal	Less: Other (e.g. 10% Statutory Deduction)	Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development			Total	Residential Share	Non- Residential Share
	2020-2029										87%	13%
	Buildings		-	-	-	-		-	-	-	-	-
1	By-Law Enforcement Office Relocation and Expansion (Lease)	2020-2029	429,272	17,124	412,148	343,418		68,731	6,873	61,857	53,816	8,041
	Fleet & Equipment		-	-	-	-		-	-	-	-	-
2	Supervisor Equipment	2021	3,000	-	3,000	-		3,000	300	2,700	2,349	351
3	Officer Equipment	2021	3,000	-	3,000	-		3,000	300	2,700	2,349	351
4	Officer Equipment	2023	3,000	-	3,000	-		3,000	300	2,700	2,349	351
5	Van	2021	35,000	-	35,000	-		35,000	3,500	31,500	27,405	4,095
	Studies		-	-	-	-		-	-	-	-	-
6	By-Law Enforcement Master Plan	2021	60,000	-	60,000	15,000		45,000	4,500	40,500	35,235	5,265
			-	-	-	-		-	-	-	-	-
			-	-	-	-		-	-	-	-	-
			-	-	-	-		-	-	-	-	-
	Total		533,272	17,124	516,148	358,418	-	157,731	15,773	141,957	123,503	18,454



Infrastructure Costs Covered in the D.C. Calculation – Health and Social Services

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Subtotal	Less: Other (e.g. 10% Statutory Deduction)	Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable			Total	Residential Share 100%	Non-Residential Share 0%
	2020-2029											
	Buildings		-	-	-	-		-	-	-	-	-
1	68 Lindsay St. N. Housing - Phase 2 of 2 (Lindsay)	2020	1,150,000	-	1,150,000	965,410		184,590	18,459	166,131	166,131	-
2	Hamilton Park Housing (Lindsay)	2022	2,300,000	-	2,300,000	1,930,820		369,180	36,918	332,262	332,262	-
3	106 Murray St. Housing (Fenelon Falls)	2024	6,900,000	-	6,900,000	5,792,459		1,107,541	110,754	996,787	996,787	-
4	Provision for Additional Housing	2025-2029	7,136,000	-	7,136,000	5,990,577		1,145,423	114,542	1,030,880	1,030,880	-
	Studies		-	-	-	-		-	-	-	-	-
5	Housing Master Plan	2029	40,000	-	40,000	10,000		30,000	3,000	27,000	27,000	-
			-	-	-	-		-	-	-	-	-
	Reserve Fund Adjustment							(840,337)		(840,337)	(840,337)	-
			-	-	-	-		-	-	-	-	-
			-	-	-	-		-	-	-	-	-
			-	-	-	-		-	-	-	-	-
			-	-	-	-		-	-	-	-	-
			-	-	-	-		-	-	-	-	-
			-	-	-	-		-	-	-	-	-
			-	-	-	-		-	-	-	-	-
	Total		17,526,000	-	17,526,000	14,689,265	-	1,996,398	283,673	1,712,724	1,712,724	-



Infrastructure Costs Covered in the D.C. Calculation – Waste Diversion Services

Prj .No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Subtotal	Less:	Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development		Other (e.g. 10% Statutory Deduction)	Total	Residential Share 87%	Non-Residential Share 13%
	2020-2029												
1	Waste Diversion Contract Service Expansion	2020-2029	611,586	-		611,586	-		611,586	61,159	550,428	478,872	71,556
			-	-		-	-		-	-	-	-	-
	Studies		-	-		-	-		-	-	-	-	-
2	Waste Management Site Capital Needs Assessment	2020	100,000	-		100,000	84,442		15,558	1,556	14,002	12,182	1,820
3	Source-Separated Organics Feasibility Study	2023	200,000	-		200,000	168,884		31,116	3,112	28,004	24,364	3,641
4	Intergrated Waste Management Strategy	2024	100,000	-	84,000	16,000	4,000		12,000	1,200	10,800	9,396	1,404
5	Intergrated Waste Management Strategy	2029	100,000	-	84,000	16,000	4,000		12,000	1,200	10,800	9,396	1,404
6	Waste Management EA Study	2020-2029	1,000,000	-	840,000	160,000	135,107		24,893	2,489	22,404	19,491	2,912
			-	-		-	-		-	-	-	-	-
			-	-		-	-		-	-	-	-	-
	Reserve Fund Adjustment		-	-		-	-		-	-	-	-	-
			-	-		-	-		-	-	-	-	-
			-	-		-	-		-	-	-	-	-
	Total		2,111,586	-	1,008,000	1,103,586	396,433	-	707,153	70,715	636,438	553,701	82,737



Infrastructure Costs Covered in the D.C. Calculation – Administration Studies

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Subtotal	Less:	Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development		Other (e.g. 10% Statutory Deduction)	Total	Residential Share	Non-Residential Share
	2020-2029										87%	13%
	General Studies & Plans		-	-	-	-		-	-	-	-	-
1	Asset Management Plan	2020	80,000	-	80,000	67,554		12,446	1,245	11,202	9,746	1,456
2	Asset Management Plan	2023	80,000	-	80,000	67,554		12,446	1,245	11,202	9,746	1,456
3	Asset Management Plan	2026	80,000	-	80,000	67,554		12,446	1,245	11,202	9,746	1,456
4	Development Charge Background Study	2023	70,000	-	70,000	-		70,000	7,000	63,000	54,810	8,190
5	Development Charge Background Study	2027	70,000	-	70,000	-		70,000	7,000	63,000	54,810	8,190
6	Growth Management Strategy	2020	100,000	-	100,000	-		100,000	10,000	90,000	78,300	11,700
7	Growth Management Strategy	2025	100,000	-	100,000	-		100,000	10,000	90,000	78,300	11,700
8	Official Plan Review / Update	2021	100,000	-	100,000	50,000		50,000	5,000	45,000	39,150	5,850
9	Official Plan Review / Update	2026	100,000	-	100,000	50,000		50,000	5,000	45,000	39,150	5,850
10	Zoning By-Law Review / Update	2028	140,000	-	140,000	70,000		70,000	7,000	63,000	54,810	8,190
11	Rural Zoning By-Law Review / Update	2020	90,000	-	90,000	45,000		45,000	4,500	40,500	35,235	5,265
12	Urban Zoning By-Law Review / Update	2023	100,000	-	100,000	50,000		50,000	5,000	45,000	39,150	5,850
13	Commercial Lands Supply	2020	100,000	-	100,000	-		100,000	10,000	90,000	78,300	11,700
14	Commercial Lands Supply	2025	100,000	-	100,000	-		100,000	10,000	90,000	78,300	11,700
15	Natural Heritage System Study	2020	50,000	-	50,000	25,000		25,000	2,500	22,500	19,575	2,925
16	Natural Heritage System Study	2025	50,000	-	50,000	25,000		25,000	2,500	22,500	19,575	2,925
17	Agricultural Land Evaluation and Area Review Study	2020	50,000	-	50,000	25,000		25,000	2,500	22,500	19,575	2,925
18	Agricultural Land Evaluation and Area Review Study	2025	50,000	-	50,000	25,000		25,000	2,500	22,500	19,575	2,925
19	Flood Plain Mapping	2020	100,000	-	100,000	25,000		75,000	7,500	67,500	58,725	8,775
19	Secondary Plans/Aggregate Policy Study	2020	100,000	-	100,000	50,000		50,000	5,000	45,000	39,150	5,850
20	Secondary Plans/Aggregate Policy Study	2025	100,000	-	100,000	50,000		50,000	5,000	45,000	39,150	5,850
	Reserve Fund Adjustment							2,527,713		2,527,713	2,199,111	328,603
	Total		1,810,000	-	1,810,000	692,661	-	3,645,053	111,734	3,533,319	3,073,987	459,331



5.2 Service Levels and 10-Year Capital Costs for Area-Specific D.C. Calculation

5.2.1 Police Services

Police services are provided through the provision of facility space, police vehicles, and equipment within the Town of Lindsay and former Township of Ops. Police Services Headquarters totals 19,580 sq.ft. of facility space, resulting in an average level of service of \$254 per capita and employee. In addition, the 17 police vehicles, and equipment for 51 police officers, produces an average historical investment of \$33 per capita and employee. The total historical average level of service totals \$287 per capita and employee, and results in a maximum amount that could be included in the calculation of the charge of \$4.0 million.

The expansion of the police services headquarters, equipment for 15 additional officers, four additional vehicles, associated studies, and D.C. eligible costs related to prior completed but unfunded D.C. eligible projects, total \$3.2 million in gross capital costs. After deducting the benefit to existing development of \$66,512 and the existing reserve fund balance of \$888,410, net capital costs of \$2.3 million have been included in the calculation of the charge.

The net growth related capital costs have been allocated to residential and non-residential development based on the forecast population and employment growth in the police services area over the 10-year period (i.e. 86% residential and 14% non-residential).

5.2.2 Transit Services

Ontario Regulation 82/98 sets forth the requirements for transit services and the available capacity of capital costs to provide for the increase in need. Subsection 8(2) of the regulation states that for transit services the background study shall set out:

1. "The calculations that were used to prepare the estimate for the planned level of service for the transit services, as mentioned in subsection 5.2 (3) of the Act.



2. An identification of the portion of the total estimated capital cost relating to the transit services that would benefit,
 - i. the anticipated development over the 10-year period immediately following the preparation of the background study, or
 - ii. the anticipated development after the 10-year period immediately following the preparation of the background study.
3. An identification of the anticipated excess capacity that would exist at the end of the 10-year period immediately following the preparation of the background study.
4. An assessment of ridership forecasts for all modes of transit services proposed to be funded by the D.C. over the 10-year period immediately following the preparation of the background study, categorized by development types, and whether the forecasted ridership will be from existing or planned development.
5. An assessment of the ridership capacity for all modes of transit services proposed to be funded by the D.C. over the 10-year period immediately following the preparation of the background study.”

The 2018 Kawartha Lakes Transportation Master Plan for Lindsay identified a planned level of service for transit in terms of the target revenue hours of service and passengers per revenue hour. The Master Plan identified that the total revenue hours would increase to 23,900 within 5 years (i.e. 2024) and that this would achieve a 20% increase in passengers per revenue hour (i.e. 10) over current levels (8.3). The Master Plan further set out that the service provision would be expanded as the service grew to maintain the same level of service in terms of passengers per revenue hour and revenue hours per capita that were to be achieved by the end of the 5-year period.

Based on the targets above, Table 5-1 shows the current transit ridership of 125,000 annual trips is anticipated to increase to 289,090 by 2029 (+164,090). Recognizing that a portion of the incremental trips would be from existing constituents changing their mode preference, approximately 63,051 of the incremental trips (or 38%) is attributed existing development, while 62% is attributed to new development occurring over the period.



Table 5-1
Ridership Forecast

Description	2019	2024	2029	Incremental (2019-2029)
<u>Objective</u>				
Revenue Hours	15,027	23,900	28,961	13,934
Passengers per Revenue Hour	8.3	10.0	10.0	1.7
Revenue Hours per Capita	0.7	0.9	0.9	0.2
Total Ridership	125,000	238,571	289,090	164,090
From Existing	125,000	188,051	188,051	63,051
From Growth		50,519	101,039	101,039
New Development Share of Incremental Trips				62%
Population (Lindsay)	21,545	27,333	33,121	11,576
Ridership per Capita	5.8	8.7	8.7	2.9

Total gross capital costs of \$1.5 million have been estimated for future capital needs to meet the planned level of service. Approximately \$361,686 has been deducted for the benefit to existing development, and \$229,320 has been added to reflect current Transit Service D.C. reserve fund deficit balance. As a result, \$1.4 million has been identified as D.C. recoverable capital costs attributable to development over the forecast period. Based on the relationship of incremental population to employment growth, these costs have been allocated 85% to future residential development, and 15% to non-residential development.



Infrastructure Costs Covered in the D.C. Calculation – Police Services

Prj.No	Increased Service Needs Attributable to Anticipated Development 2020-2029	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 86%	Non-Residential Share 14%
	Buildings		-	-	-	-		-	-	-
1	Police Headquarters Expansion	2025	2,726,000	-	2,726,000	-		2,726,000	2,344,360	381,640
	Fleet & Equipment		-	-	-	-		-	-	-
2	Police Officer Equipment	2020	6,600	-	6,600	-		6,600	5,676	924
3	Police Officer Equipment (2)	2021	13,200	-	13,200	-		13,200	11,352	1,848
4	Police Officer Equipment	2022	6,600	-	6,600	-		6,600	5,676	924
5	Police Officer Equipment (2)	2023	13,200	-	13,200	-		13,200	11,352	1,848
6	Police Officer Equipment	2024	6,600	-	6,600	-		6,600	5,676	924
7	Police Officer Equipment (2)	2025	13,200	-	13,200	-		13,200	11,352	1,848
8	Police Officer Equipment	2026	6,600	-	6,600	-		6,600	5,676	924
9	Police Officer Equipment (2)	2027	13,200	-	13,200	-		13,200	11,352	1,848
10	Police Officer Equipment	2028	6,600	-	6,600	-		6,600	5,676	924
11	Police Officer Equipment (2)	2029	13,200	-	13,200	-		13,200	11,352	1,848
12	Map System Updates for New Development	2020-2029	100,000	-	100,000	-		100,000	86,000	14,000
13	Marked Uniform Vehicle	2021	50,400	-	50,400	-		50,400	43,344	7,056
14	Unmarked Vehicle	2024	34,100	-	34,100	-		34,100	29,326	4,774
15	Marked Uniform Vehicle	2026	50,400	-	50,400	-		50,400	43,344	7,056
16	Unmarked Vehicle	2028	34,100	-	34,100	-		34,100	29,326	4,774
	Studies									
17	Police Operational Review	2020	60,000	-	60,000	41,512		18,488	15,900	2,588
18	Police Facility Capital Plan	2020	50,000	-	50,000	25,000		25,000	21,500	3,500
	Unfunded D.C. Eligible Costs	2020	25,530	-	25,530	-		25,530	21,956	3,574
	Reserve Fund Adjustment							(888,410)	(764,033)	(124,377)
	Total		3,229,530	-	3,229,530	66,512	-	2,274,608	1,956,163	318,445



Infrastructure Costs Covered in the D.C. Calculation – Transit Services

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 85%	Non-Residential Share 15%
	2020-2029									
	Buildings		-	-	-	-		-	-	-
1	Transit Operations Centre	2023	886,300	-	886,300	138,086		748,214	635,982	112,232
2	Transit Terminal	2022	70,000	-	70,000	26,600		43,400	36,890	6,510
3	Transit Stops	2022	60,000	-	60,000	22,800		37,200	31,620	5,580
	Fleet and Equipment		-	-	-	-		-	-	-
4	Bus	2022	190,000	-	190,000	72,200		117,800	100,130	17,670
5	Bike Racks for 11 Buses	2020	22,000	-	22,000	8,360		13,640	11,594	2,046
6	Integrated Smart Card Fare System	2020	88,000	-	88,000	33,440		54,560	46,376	8,184
	Studies		-	-	-	-		-	-	-
7	Transit Master Plan	2022	90,000	-	90,000	22,500		67,500	57,375	10,125
8	Transit Master Plan	2027	90,000	-	90,000	22,500		67,500	57,375	10,125
9	Transit Terminal Location and Design Study	2021	40,000	-	40,000	15,200		24,800	21,080	3,720
			-	-	-	-		-	-	-
	Reserve Fund Adjustment							229,320	194,922	34,398
			-	-	-	-		-	-	-
			-	-	-	-		-	-	-
	Total		1,536,300	-	1,536,300	361,686	-	1,403,935	1,193,345	210,590



5.3 Service Levels and 12-Year Capital Costs for City-Wide D.C. Calculation

This section evaluates the development-related capital requirements for City-wide services assessed over a 12-year planning period. Each service component is evaluated on two format sheets: the average historical 10-year level of service calculation (see Appendix B), which “caps” the D.C. amounts; and the infrastructure cost calculation, which determines the potential D.C. recoverable cost.

5.3.1 Roads and Related Services

The City has a current inventory of 2,698 kilometres of gravel, highfloat, and asphalt roads, 173 kilometers of sidewalks, and approximately 74 kilometres of roadside protection. In addition, the City has 4,836 streetlights, 33 traffic signals, 27 flashing signals and one pedestrian crossing. The City also maintains 155 bridges, 169 culverts of greater than 1.2 metres in diameter, 131 kilometres of storm drains and 128 kilometres of municipal drains. This historical level of infrastructure investment equates to approximately \$18,398 per capital and employee level of service. When applied to the forecast growth to 2031 (i.e. 20,500 population and 3,036 employment), a maximum D.C. eligible cost of \$433.0 million could be expected to meet the future increase in needs for service.

In addition to roads infrastructure, the City’s roads operations department utilizes 108,391 square feet of facility space, 27,916 square feet of equipment storage, 11,003 square feet of salt storage facilities and 37,639 cubic yards of sand storage facilities. The department also operates a fleet of 236 vehicles and equipment items. In this regard, historical average level of service of \$711 per capita and employee has been provided, resulting in a D.C. eligible cap of \$16.7 million.

The review of the City’s roads and related needs for the forecast period identified \$178.7 million in gross capital costs. These capital needs arise from the City’s Transportation Master Plan, program budget forecasts, environmental assessment studies, Roads Depots Master Plan, and other related studies/reports. The capital projects include various road, bridge and streetlight/intersection projects, as well as an expansion to the overall provision of roads operations depots and additional public



works vehicle and equipment items. Also included in the capital forecast is \$2.4 million for various studies related to the provision of roads engineering and operations services (such as Transportation Master Plan, Road Needs Studies, etc.). In addition to these projects the net present value of outstanding principal and interest payments for debt the City has issued in relation to Roads and Related D.C. reserve fund deficits is \$5.0 million.

The benefit to existing development totals \$104.5 million and has been applied by project type based on the following provisions:

- 0% benefit to existing for purchase of new vehicles;
- 81% for roads operations depots based on the replacement of existing facility space;
- 82% benefit to existing for growth–related studies to inform future needs; based on an increase in agents over the forecast period;
- 25-50% benefit to existing for master plans;
- 90% benefit to existing for urban/rural road reconstruction projects;
- 20% benefit to existing for road reconstruction and widening projects;
- 0-50% benefit to existing for new bridge/large culvert crossing and reconstruction with widenings;
- 5% benefit to existing for intersection improvements; and
- 10% benefit to existing for signalization projects.

Moreover, \$1.8 million has been deducted to account for sale proceeds from existing depots and \$1.1 million for the benefit of additional roads operations depots space beyond 2031. As a result, \$70.7 million in capital needs have been included in the D.C. calculation.

The net growth-related costs for roads and related services have been allocated between future residential and non-residential development on the basis of incremental population to employment growth over the 12-year forecast period (i.e. 87% residential and 13% non-residential).



5.3.2 Fire Services

The City currently has 21 fire stations as well as associated training centre and storage facilities. In total these fire facilities supply 85,304 sq.ft. of building space, providing a per capita and employee average level of service of \$313. The fire department also has a current inventory of vehicles and equipment totalling 83 items and equipment for 373 fire fighters. The average capital investment per capita and employee over the past 10-year period is \$295. In aggregate, based on the average level of service provided, the maximum D.C. eligible amount that could be included in the calculation of the charge for fire services is \$10.4 million.

Based on the needs identified in the City's 2015 D.C. Background Study, Fire Master Plan and Capital Budget, the City is anticipating expanding two fire stations, purchasing upgraded extrication equipment, adding vehicles and equipment, and undertaking a future Fire Master Plan. The gross capital costs for the capital program discussed above total \$13.7 million. A benefit to existing deduction of \$10.1 million has been applied to reflect the replacement of existing facility space in the expansion of facilities., as well as a \$717,881 deduction to reflect the benefit to growth between 2031-2041 reflective of the timing of the Master Plan forecast. Incorporating an uncommitted reserve fund deficit of \$1.1 million, a total of \$3.9 million in net growth-related fire service needs have been included in the calculation of the D.C.

The allocation of net growth-related costs for fire services between residential and non-residential development is 87% residential and 13% non-residential based on the relationship of incremental population and employment growth over the 12-year period.



Infrastructure Costs Covered in the D.C. Calculation – Roads and Related Services

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 87%	Non-Residential Share 13%
	2020-2031										
	Land		-	-		-	-		-	-	-
1	Operations Depots	2020-2031	747,000	31,327	51,000	664,673	605,685		58,988	51,320	7,668
	Buildings		-	-		-	-		-	-	-
	North			-		-	-		-	-	-
2	Coboconk Depot Expansion	2020-2031	960,000	42,512	66,000	851,488	768,229		83,259	72,435	10,824
3	Carden Depot Expansion	2020-2031	941,000	41,670	65,000	834,330	753,025		81,305	70,735	10,570
	Central										
4	Central Roads Operations Depot EA Study	2020	155,000	9,235	11,000	134,765	113,343		21,423	18,638	2,785
5	Central Roads Operations Depot	2027	9,149,800	545,128	627,000	7,977,672	6,690,729		1,286,943	1,119,641	167,303
6	Fenelon Depot Expansion	2027	304,000	18,112	21,000	264,888	222,298		42,590	37,054	5,537
7	Eldon Depot Improvements	2027	176,000	10,486	12,000	153,514	128,699		24,815	21,589	3,226
	South			-		-	-		-	-	-
8	South Primary Roads Operations Depot	2031	12,881,000	370,980	883,000	11,627,020	11,207,507		419,512	364,976	54,537
9	Manvers Depot Expansion	2031	423,000	12,183	29,000	381,817	368,044		13,773	11,983	1,791
10	Emily Depot Improvements	2031	176,000	5,069	12,000	158,931	153,134		5,797	5,043	754
	Fleet & Equipment		-	-		-	-		-	-	-
11	Backhoe	2023	165,000	-		165,000	-		165,000	143,550	21,450
12	Loader	2023	175,200	-		175,200	-		175,200	152,424	22,776
13	Trackless Tractor	2022	200,000	-		200,000	-		200,000	174,000	26,000
14	Trackless Tractor	2022	200,000	-		200,000	-		200,000	174,000	26,000
15	Trackless Tractor	2025	200,000	-		200,000	-		200,000	174,000	26,000
16	Trackless Tractor	2025	200,000	-		200,000	-		200,000	174,000	26,000
17	Trackless Tractor	2029	200,000	-		200,000	-		200,000	174,000	26,000
18	Trackless Tractor	2029	200,000	-		200,000	-		200,000	174,000	26,000
19	Truck - Single Axle	2022	250,000	-		250,000	-		250,000	217,500	32,500
20	Truck - Single Axle	2025	250,000	-		250,000	-		250,000	217,500	32,500
21	Truck - Single Axle	2029	250,000	-		250,000	-		250,000	217,500	32,500
	Studies		-	-		-	-		-	-	-
22	Roads Needs Study	2021	145,000	-		145,000	119,208		25,792	22,439	3,353
23	Roads Needs Study	2026	145,000	-		145,000	119,208		25,792	22,439	3,353
24	Roads Needs Study	2031	145,000	-		145,000	119,208		25,792	22,439	3,353
25	Storm Sewer Capacity Study	2022	180,000	-		180,000	147,982		32,018	27,856	4,162
26	Storm Sewer Capacity Study	2027	180,000	-		180,000	147,982		32,018	27,856	4,162
27	Bridge Structures Study	2020	146,900	-		146,900	120,770		26,130	22,733	3,397



Infrastructure Costs Covered in the D.C. Calculation – Roads and Related Services (Cont'd)

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 87%	Non-Residential Share 13%
	2020-2031										
28	Bridge Structures Study	2022	146,900	-		146,900	120,770		26,130	22,733	3,397
29	Bridge Structures Study	2024	146,900	-		146,900	120,770		26,130	22,733	3,397
30	Bridge Structures Study	2026	146,900	-		146,900	120,770		26,130	22,733	3,397
31	Bridge Structures Study	2028	146,900	-		146,900	120,770		26,130	22,733	3,397
32	Bridge Structures Study	2030	146,900	-		146,900	120,770		26,130	22,733	3,397
33	Transportation Master Plan & Active Transportation Master Plan	2021	300,000	-		300,000	75,000		225,000	195,750	29,250
34	Transportation Master Plan & Active Transportation Master Plan	2031	300,000	-		300,000	75,000		225,000	195,750	29,250
35	Roads Operations Master Plan	2028	100,000	-		100,000	25,000		75,000	65,250	9,750
	Roads		-	-		-	-		-	-	-
36	Downtown Lindsay Reconstruction (URR) - Phase 2 of 4 (Lindsay)	2020	4,488,000	-		4,488,000	4,039,200		448,800	390,456	58,344
37	Colborne St. Reconstruction (URR) - William St. to Adelaide St. (Lindsay)	2020	4,380,000	-		4,380,000	3,942,000		438,000	381,060	56,940
38	Lindsay St. Design (URR) - Russell St. to Mary St. (Lindsay)	2020	150,000	-		150,000	135,000		15,000	13,050	1,950
39	William St. Design (URR) - Colborne St. to Orchard Park Rd. (Lindsay)	2020	90,000	-		90,000	81,000		9,000	7,830	1,170
40	St. Patrick St. Design (URR) - Queen St. to North End (Lindsay)	2020	90,000	-		90,000	81,000		9,000	7,830	1,170
41	St. James St. and Dominion Dr. Design (URR) - All Sections (Lindsay)	2020	75,000	-		75,000	67,500		7,500	6,525	975
42	Downtown Lindsay Reconstruction (URR) - Phase 3 of 4 (Lindsay)	2021	6,038,000	-		6,038,000	5,434,200		603,800	525,306	78,494
43	Colborne St. Reconstruction (URR) - Trent Canal to Bond St. (Fenelon Falls)	2021	1,800,000	-		1,800,000	1,620,000		180,000	156,600	23,400
44	Downtown Lindsay Reconstruction (URR) - Phase 4 of 4 (Lindsay)	2022	3,238,000	-		3,238,000	2,914,200		323,800	281,706	42,094
45	Glenelg St. Reconstruction (URR) - Lindsay St. to Cambridge St. (Lindsay)	2022	1,100,000	-		1,100,000	990,000		110,000	95,700	14,300



Infrastructure Costs Covered in the D.C. Calculation – Roads and Related Services (Cont'd)

Prj .No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share	Non-Residential Share
	2020-2031									87%	13%
46	Lindsay St. Reconstruction (URR) - Russell St. to Glenelg St. (Lindsay)	2022	700,000	-		700,000	630,000		70,000	60,900	9,100
43	Elliot St. Reconstruction (URR) - Lindsay St. to Murray St. (Fenelon Falls)	2022	400,000	-		400,000	360,000		40,000	34,800	5,200
44	Ellice St. Reconstruction (URR) - Murray St. to Wychwood Cres. (Fenelon Falls)	2022	1,600,000	-		1,600,000	1,440,000		160,000	139,200	20,800
46	Murray St. Reconstruction (URR) - Elliot St. to West St. (Fenelon Falls)	2022	2,400,000	-		2,400,000	2,160,000		240,000	208,800	31,200
47	Canal St. Reconstruction (URR) - Sherwood St. to East St. (Bobcaygeon)	2022	1,700,000	-		1,700,000	1,530,000		170,000	147,900	22,100
51	Urban / Rural Reconstruction - General Provision	2023	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
52	Urban / Rural Reconstruction - General Provision	2024	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
53	Urban / Rural Reconstruction - General Provision	2025	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
54	Urban / Rural Reconstruction - General Provision	2026	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
55	Urban / Rural Reconstruction - General Provision	2027	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
56	Urban / Rural Reconstruction - General Provision	2028	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
57	Urban / Rural Reconstruction - General Provision	2029	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
58	Urban / Rural Reconstruction - General Provision	2030	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
59	Urban / Rural Reconstruction - General Provision	2031	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
60	Angeline St. Reconstruction - Hwy. 7 to North of Orchard Park Rd. (Lindsay)	2026	12,230,000	-		12,230,000	2,446,000		9,784,000	8,512,080	1,271,920
61	Colborne St. Reconstruction - Hwy 35 to Charles St. (Lindsay)	2021	3,491,000	-		3,491,000	698,200		2,792,800	2,429,736	363,064
62	Colborne St. Reconstruction - Charles St. to Adelaide St. (Lindsay)	2022	1,155,000	-		1,155,000	231,000		924,000	803,880	120,120
63	Colborne St. Reconstruction - Hwy. 7 to Hwy. 35 (Lindsay)	2028	1,718,000	-		1,718,000	343,600		1,374,400	1,195,728	178,672
64	Lindsay St. Reconstruction - Hwy. 7 to Mary St. (Lindsay)	2024	5,086,000	-		5,086,000	1,017,200		4,068,800	3,539,856	528,944
65	Thunderbridge Rd. Reconstruction - Elm Tree Rd. to Hwy. 35 (Lindsay)	2030	3,300,000	-		3,300,000	660,000		2,640,000	2,296,800	343,200
	Bridges and Large Culverts		-	-		-	-		-	-	-
66	West Jennings Creek Bridge (Lindsay)	2026	4,521,000	-		4,521,000	-		4,521,000	3,933,270	587,730
67	East Jennings Creek Culvert Structures (Lindsay)	2022	649,000	-		649,000	324,500		324,500	282,315	42,185
68	Fenelon River / Burnt River Bridge (Fenelon Falls)	2025	6,115,000	-		6,115,000	-		6,115,000	5,320,050	794,950
69	Colborne St. Bridge (Lindsay)	2022	11,000,000	-		11,000,000	4,400,000		6,600,000	5,742,000	858,000



Infrastructure Costs Covered in the D.C. Calculation – Roads and Related Services (Cont'd)

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recover	
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 87%
	2020-2031									
	Traffic Signals and Intersections		-	-		-	-		-	-
70	Angeline St./Colborne St. Intersection Improvement (Lindsay)	2022	1,718,000	-		1,718,000	85,900		1,632,100	1,419,927
71	Angeline St./Mary St. Intersection Improvement (Lindsay)	2025	1,096,000	-		1,096,000	54,800		1,041,200	905,844
72	Angeline St./Orchard Park Rd. Signalization (Lindsay)	2024	271,000	-		271,000	27,100		243,900	212,193
73	Angeline St./Thunderbridge Rd. Intersection Improvement (Lindsay)	2022	2,441,000	-		2,441,000	122,050		2,318,950	2,017,487
74	Colborne St./William St. Intersection Improvement (Lindsay)	2022	825,000	-		825,000	41,250		783,750	681,863
75	Colborne St./St. Joseph Rd. Signalization (Lindsay)	2022	271,000	-		271,000	27,100		243,900	212,193
76	Colborne St./Albert St. Signalization (Lindsay)	2021	271,000	-		271,000	27,100		243,900	212,193
77	Colborne St./Road 36 Intersection Improvement (Lindsay)	2023	271,000	-		271,000	13,550		257,450	223,982
78	Kent St. Corridor Traffic Signal Coordination (Lindsay)	2023	113,000	-		113,000	56,500		56,500	49,155
79	Kent St./Angeline St. Intersection Improvement (Lindsay)	2022	1,594,000	-		1,594,000	79,700		1,514,300	1,317,441
80	Kent St./Lindsay St. Signalization Improvement (Lindsay)	2020	34,000	-		34,000	3,400		30,600	26,622
82	Kent St./Whitney Town Centre Signalization (Lindsay)	2022	320,000	-		320,000	32,000		288,000	250,560
83	Queen St./St. David St. Signalization (Lindsay)	2021	271,000	-		271,000	27,100		243,900	212,193
84	Wellington St./Lindsay St. Intersection Improvement (Lindsay)	2026	486,000	-		486,000	24,300		461,700	401,679
85	Wellington St./William St. Intersection Improvement (Lindsay)	2025	486,000	-		486,000	24,300		461,700	401,679
86	Mary St./Lindsay St. Intersection Improvement (Lindsay)	2023	791,000	-		791,000	39,550		751,450	653,762
87	Logie St./Lindsay St. Signalization (Lindsay)	2021	226,000	-		226,000	22,600		203,400	176,958
88	East St./Boyd St./Canal St. Signalization (Bobcaygeon)	2027	271,000	-		271,000	27,100		243,900	212,193
89	East St./Cedartree Lane/Duke St. Intersection Improvement (Bobcaygeon)	2027	825,000	-		825,000	41,250		783,750	681,863
90	East St./Mill St. Signalization (Bobcaygeon)	2027	271,000	-		271,000	27,100		243,900	212,193
91	Main St./Duke St. Signalization (Bobcaygeon)	2026	271,000	-		271,000	27,100		243,900	212,193
92	West St./North St. Signalization (Bobcaygeon)	2021	271,000	-		271,000	27,100		243,900	212,193
93	Bond St./Colborne St. Signalization (Fenelon Falls)	2022	271,000	-		271,000	27,100		243,900	212,193
94	CKL Rd. 121 (Lindsay St.) Pedestrian Signals (Fenelon Falls)	2021	140,000	-		140,000	14,000		126,000	109,620
95	King St./Queen St. Intersection Improvement (Omemee)	2023	576,000	-		576,000	28,800		547,200	476,064
96	King St./Sturgeon Rd. Intersection Improvement (Omemee)	2023	305,000	-		305,000	15,250		289,750	252,083
97	King St./Deane St. Signalization (Omemee)	2024	271,000	-		271,000	27,100		243,900	212,193
98	King St./Sibley Ave. Signalization (Omemee)	2024	271,000	-		271,000	27,100		243,900	212,193
99	D.C. Reserve Fund Debt (NPV of Principal & Interest)	2020-2031	4,965,043	-		4,965,043	-		4,965,043	4,319,587
	Reserve Fund Adjustment								(651,021)	(566,388)
	Total		178,686,443	1,086,701	1,777,000	175,822,742	104,465,797	-	70,705,924	61,514,154



Infrastructure Costs Covered in the D.C. Calculation – Fire Services

Prj .No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 87%	Non-Residential Share 13%
	2020-2031									
	Buildings		-	-	-	-		-	-	-
1	Fire Headquarters Relocation and Expansion	2026	7,778,000	358,517	7,419,483	6,139,064		1,280,419	1,113,964	166,454
2	Central Training Facility Expansion	2022	1,000,000	38,911	961,089	822,121		138,968	120,902	18,066
	Furnishings & Materials		-	-	-	-		-	-	-
3	Extrication Equipment	2020	50,000	1,946	48,054	41,106		6,948	6,045	903
4	Extrication Equipment	2021	50,000	1,946	48,054	41,106		6,948	6,045	903
5	Extrication Equipment	2022	50,000	1,946	48,054	41,106		6,948	6,045	903
6	Extrication Equipment	2023	50,000	1,946	48,054	41,106		6,948	6,045	903
7	Extrication Equipment	2024	50,000	1,946	48,054	41,106		6,948	6,045	903
8	Extrication Equipment	2025	50,000	1,946	48,054	41,106		6,948	6,045	903
9	Extrication Equipment	2026	50,000	1,946	48,054	41,106		6,948	6,045	903
10	Extrication Equipment	2027	50,000	1,946	48,054	41,106		6,948	6,045	903
11	Extrication Equipment	2028	50,000	1,946	48,054	41,106		6,948	6,045	903
12	Extrication Equipment	2029	50,000	1,946	48,054	41,106		6,948	6,045	903
13	Extrication Equipment	2030	50,000	1,946	48,054	41,106		6,948	6,045	903
14	Extrication Equipment	2031	50,000	1,946	48,054	41,106		6,948	6,045	903



Infrastructure Costs Covered in the D.C. Calculation – Fire Services (Cont'd)

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 87%	Non-Residential Share 13%
	2020-2031									
	Fleet & Equipment		-	-	-	-		-	-	-
15	Pumper Truck	2020	580,000	21,569	558,431	375,000		183,431	159,585	23,846
16	Tanker Truck	2021	606,000	59,653	546,347	411,000		135,347	117,752	17,595
17	Tanker Truck	2026	606,000	59,653	546,347	375,000		171,347	149,072	22,275
18	Pumper Truck	2027	580,000	21,569	558,431	375,000		183,431	159,585	23,846
19	Tanker Truck	2028	606,000	59,653	546,347	411,000		135,347	117,752	17,595
20	Pumper Truck	2028	580,000	21,569	558,431	375,000		183,431	159,585	23,846
21	Pumper Truck	2029	580,000	21,569	558,431	375,000		183,431	159,585	23,846
22	Emergency Preparedness Manager Vehicle	2022	35,000	7,656	27,344	-		27,344	23,789	3,555
23	District / Platoon Chief Vehicle	2024	48,500	10,609	37,891	-		37,891	32,965	4,926
24	Training Officer Vehicle	2023	35,000	7,656	27,344	-		27,344	23,789	3,555
25	Equipment for Additional Fire Fighters (4)	2021-2024	27,200	5,950	21,250	-		21,250	18,488	2,763
	Studies		-	-	-	-		-	-	-
26	Fire Master Plan	2028	80,000	-	80,000	20,000		60,000	52,200	7,800
	Reserve Fund Adjustment							1,080,259	939,826	140,434
	Total		13,741,700	717,881	13,023,819	10,171,459	-	3,932,620	3,421,379	511,241



5.4 12-Year Capital Costs for Urban Serviced Area D.C. Calculation

This section evaluates the development-related capital requirements for water and wastewater services within the urban serviced areas over the 12-year planning period (2020-2031). The charges for Water Treatment, Water Distribution, and Wastewater Treatment are calculated for uniform recovery across the urban serviced area. For Wastewater Collection, the Northwest Lindsay Development Area has been removed from the benefitting development area. This reflects Council's intent to recover these service costs through a Municipal Act charge for works benefitting that area.

Capital projects included in the capital program are drawn primarily from capacity studies prepared for the Lindsay, Fenelon Falls and Bobcaygeon municipally serviced areas, with timing and cost updates provided by staff. Projects have been selected based on whether there is an increase in capacity that will benefit new development. In calculating the benefit to existing development for the projects, two ratios were considered: the increase in capacity of the new infrastructure being created relative to existing infrastructure, and the remaining age of the infrastructure being replaced. The remaining age of the infrastructure being replaced is considered as the infrastructure is being replaced earlier than its useful life expectancy. The benefit to existing percentage is the product of the capacity ratio and age ratio. Further detail on the calculation of each ratio is presented below;

Capacity Ratios

Benefit to existing development (B.T.E.) is represented by the following equations for linear and vertical infrastructure.

Linear Infrastructure

$$\text{Capacity Ratio} = ((\text{Diameter of Existing Infrastructure}) / (\text{Diameter of New Infrastructure}))^2$$

Vertical Infrastructure

$$\text{Capacity Ratio} = (\text{Capacity of Existing Infrastructure}) / (\text{Capacity of New Infrastructure})$$



Age Ratio

The age ratio is equal to the minimum of the age of the infrastructure being replaced (A) or the useful life of the infrastructure being replaced (L), divided by the life span of the infrastructure being replaced. The useful life of the infrastructure was gathered from the City's PSAB data, used for asset management purposes and is summarized by material type for mains in Table 5.1 below

$$Age\ Ratio. = \frac{\min\{A, L\}}{L}$$

Table 5-2
Water and Sewer Infrastructure
Asset Useful Life

Infrastructure	Useful Life
<u>Water Mains</u>	
CI	95
AC	95
PVC	135
DI	120
<u>Sewer Mains</u>	
AC	115
Clay	125
PVC	135

The final benefit to existing development percentage is calculated by multiplying the capacity and age ratio together.

This section evaluates the development-related capital requirements for the services assessed over the planning period in the urban service area only. The infrastructure cost calculation sheet presented herein determines the potential D.C. recoverable cost. The capital costs estimates included in the water and wastewater capital programs have been derived from the City's 2015 Water and Wastewater Master Plan, and updates provided by Kawartha Lakes staff.

5.4.1 Wastewater Treatment

The capital program for Wastewater Treatment includes future capacity studies and upgrades or expansions to the Lindsay, Bobcaygeon, Fenelon Falls, and Omemee



water pollution control plants to accommodate growth within the City's wastewater serviced area. Furthermore, the net present value of outstanding growth-related debt payments (principal and interest) for prior completed projects and to fund reserve deficits have been included (\$1.2 million)

In total, the gross capital cost estimates amount to \$92.4 million. Approximately \$34.8 million has been deducted from the gross capital cost estimates for the Lindsay WPCP Expansion Phase 2, Bobcaygeon WPCP, Fenelon Falls WPCP, and Omemee WPCP, reflecting the post period benefits accruing to the full buildout of the service area. A benefit to existing deduction of \$16.3 million has also been recognized for the upgrades. After deducting \$6.6 million to account for existing D.C. reserve fund balances, the net capital costs identified for inclusion in the calculation of the charge total \$34.7 million.

These costs have been allocated between residential and non-residential development based on the relationship of population and employment growth in the Wastewater Treatment Serviced area (i.e. 86% residential and 14% non-residential).

5.4.2 Wastewater Collection

Wastewater Collection infrastructure required to service growth has been included in the D.C. calculation for all areas with municipal wastewater service, excluding the Northwest Lindsay Development Area as the costs of wastewater collection services for development in this area is being collected through a Municipal Act Capital Charge (By-law 2015-151). This results in the recovery of wastewater collection services across all serviced areas excluding the Northwest Lindsay Development Area. This approach is consistent with that of the City's 2015 D.C. Background Study.

The capital program identified herein includes works for sewer mains, pumping stations, and studies. The gross capital costs of these works total \$18.9 million. Deductions of \$449,638 and \$5.5 million for post period and benefit to existing development respectively have been applied. Furthermore, \$14.3 million has been added to the net capital costs to account for previously completed, yet unfunded D.C. projects (reserve fund adjustment). The total net growth-related capital costs to be included in the D.C. calculation are \$27.3 million. These costs have been allocated to residential and non-residential development on the basis of incremental population to employment growth



within the development area. The resultant distribution is 66% residential and 34% non-residential.

5.4.3 Water Treatment

The anticipated Water Treatment capital needs includes future capacity studies and upgrades to the Fenelon Falls Water Treatment Plant, Lindsay Water Treatment Plant, and Janetville Water Treatment Plant to accommodate growth. Moreover \$1.9 million has also been included as to reflect the net present value of future principal and interest payments for debt issued for prior completed growth-related projects and D.C. reserve fund deficits.

In total, the estimated gross capital costs amount to \$30.0 million. A benefit to existing deduction of \$186,199 and a post period deduction of \$2.9 million has been recognized based on the underlying capacity demands and forecast needs to 2031. Moreover, \$1.6 million has been deducted from the potential D.C. recoverable costs to account for existing reserve fund balances. The net capital costs identified for inclusion in the calculation of the charge totals \$25.3 million. These costs have been allocated 86% residential and 14% non-residential based on incremental population to employment over the forecast period.

5.4.4 Water Distribution

The 12-year capital program includes \$34.1 million gross capital costs for water horizontal infrastructure including new watermains, watermain replacement and looping. Vertical infrastructure gross capital costs of \$10.2 million provide for the construction of an elevated storage tank in north Lindsay in 2025.

Deductions for post period benefit of \$3.5 million reflect the post 2031 anticipated development benefits for the works, with allocation based on effluent flows. Benefit to existing deductions of \$4.6 million are provided based on the product of capacity and age ratios. Local service contributions of \$4.3 million have been deducted reflective of the cost of installing 200mm mains. In addition, \$390,616 has been deducted from the net capital costs to account for existing reserve funds collected towards these needs.

The resultant net capital costs to be recovered from growth total \$31.6 million. These costs have been allocated to residential and non-residential development on the basis



of the incremental population to employment growth over the forecast period to 2031 as follows: 86% residential, and 14% non-residential.



Infrastructure Costs Covered in the D.C. Calculation – Wastewater Treatment

Prj.No	Increased Service Needs Attributable to Anticipated Development 2020-2031	Project #	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 86%	Non- Residential Share 14%
	Studies, Plans and Related Support			-	-	-	-		-	-	-
1	Capacity Studies		2021	300,000	-	300,000	-		300,000	258,000	42,000
2	Capacity Studies		2026	300,000	-	300,000	-		300,000	258,000	42,000
3	Capacity Studies		2031	300,000	-	300,000	-		300,000	258,000	42,000
				-	-	-	-		-	-	-
	Vertical Infrastructure			-	-	-	-		-	-	-
4	Lindsay WPCP Upgrade and Expansion	WPC-01	2020	22,400,000	-	22,400,000	9,610,159		12,789,841	10,999,263	1,790,578
5	Lindsay WPCP Expansion EA		2022	1,000,000	655,200	344,800	-		344,800	296,528	48,272
6	Lindsay WPCP Expansion - Phase 2		2025	45,400,000	29,746,060	15,653,940	-		15,653,940	13,462,389	2,191,552
7	Bobcaygeon WPCP Wet Weather Mitigation Upgrades	WW-BOB-03	2021	6,940,100	2,151,431	4,788,669	2,360,031		2,428,638	2,088,628	340,009
8	Fenelon Falls WPCP Wet Weather Mitigation Upgrades	WW-FF-02	2031	1,503,300	150,330	1,352,970	532,713		820,257	705,421	114,836
9	Fenelon Falls WPCP Upgrade	WW-FF-05	2024	10,319,700	1,238,364	9,081,336	2,831,159		6,250,177	5,375,152	875,025
10	Omeme WPCP LSSDS Remediation		2022	2,785,000	919,050	1,865,950	946,900		919,050	790,383	128,667
				-	-	-	-		-	-	-
11	2009 D.C. Growth Related Debt Payments (NPV of Principal and Interest)		2020-2029	208,992	-	208,992	-		208,992	179,733	29,259
12	D.C. Reserve Fund Debt (NPV of Principal & Interest)		2020-2031	1,002,813	-	1,002,813	-		1,002,813	862,419	140,394
	Reserve Fund Adjustment			-	-	-	-		(6,643,671)	(5,713,557)	(930,114)
	Total			92,459,905	34,860,434	57,599,471	16,280,963	-	34,674,837	29,820,360	4,854,477



Infrastructure Costs Covered in the D.C. Calculation – Wastewater Collection

Prj.No	Increased Service Needs Attributable to Anticipated Development 2020-2031	Project #	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 66%	Non- Residential Share 34%
	Studies, Plans and Related Support			-	-	-	-		-	-	-
1	Logie St. SPS (formerly George St. SPS) Study	LSE-WW-07A	2021	75,000	-	75,000	-		75,000	49,500	25,500
2	Hwy. 7 SPS Study	LSE-WW-07B	2021	75,000	-	75,000	-		75,000	49,500	25,500
3	Ridout St. SPS Study		2021	75,000	-	75,000	33,504		41,496	27,387	14,109
				-	-	-	-		-	-	-
	Vertical Infrastructure			-	-	-	-		-	-	-
4	Hwy. 7 SPS	LSE-WW-04	2024	1,332,800	95,532	1,237,268	-		1,237,268	816,597	420,671
5	Logie St. SPS (formerly George St. SPS) Expansion	LSE-WW-05	2027	1,397,800	100,191	1,297,609	-		1,297,609	856,422	441,187
6	Need St. SPS Upgrades	WW-BOB-04	2022	373,000	-	373,000	52,037		320,963	211,835	109,127
7	Little Bob Dr. SPS Upgrades	WW-BOB-05	2022	305,200	-	305,200	63,868		241,332	159,279	82,053
8	Colborne St. SPS Upgrades	WW-FF-04	2021	429,500	-	429,500	191,197		238,303	157,280	81,023
9	Mary St. SPS Upgrades	WW-LIN-15	2031	1,987,100	142,276	1,844,824	685,207		1,159,617	765,347	394,270
10	Ridout St. SPS Upgrades	WW-LIN-19	2023	7,516,500	-	7,516,500	3,357,764		4,158,736	2,744,766	1,413,970
	Linear Infrastructure			-	-	-	-		-	-	-
11	Lindsay St. Trunk Sewer Extension - Logie St. to Hwy. 7	LSE-WW-02	2025	756,980	54,259	702,721	-		702,721	463,796	238,925
12	Durham St. and Sussex St. Sewer Replacement - Albert St. to Melbourne St.	WW-LIN-01	2024	527,900	-	527,900	155,203		372,697	245,980	126,717
13	Sussex St. Sewer Replacement - Melbourne St. to Glenelg St.	WW-LIN-02	2024	241,900	-	241,900	81,641		160,259	105,771	54,488
14	Sussex St. Sewer Replacement - Glenelg St. to Russell St.	WW-LIN-03	2024	305,200	-	305,200	81,387		223,813	147,717	76,097
15	Sussex St. Sewer Replacement - Russell St. to Kent St.	WW-LIN-04	2024	310,800	-	310,800	82,880		227,920	150,427	77,493
16	Kent St. Sewer Replacement - Sussex St. to Victoria Ave.	WW-LIN-05	2024	288,200	-	288,200	96,323		191,877	126,639	65,238
17	Kent St. Sewer Replacement - Victoria Ave. to Cambridge St.	WW-LIN-06	2021	258,800	-	258,800	9,372		249,428	164,622	84,805
18	Cambridge St. Sewer Replacement - Kent St. to Peel St.	WW-LIN-07	2021	321,000	-	321,000	11,625		309,375	204,188	105,188
19	Cambridge St., Bond St. and William St. Sewer Replacement - Peel St. to Francis St.	WW-LIN-08	2023	1,434,400	-	1,434,400	191,107		1,243,293	820,573	422,720
20	Albert St. Sewer Replacement - Mary St. to Durham St.	WW-LIN-17	2028	801,400	57,380	744,020	295,308		448,711	296,150	152,562
21	St. David St. Sewer Interconnection	WW-LIN-18	2026	151,500	-	151,500	75,750		75,750	49,995	25,755
	Reserve Fund Adjustment								14,257,469	9,409,930	4,847,540
	Total			18,964,980	449,638	18,515,342	5,464,173	-	27,308,638	18,023,701	9,284,937



Infrastructure Costs Covered in the D.C. Calculation – Water Treatment

Prj.No	Increased Service Needs Attributable to Anticipated Development 2020-2031	Project #	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 86%	Non-Residential Share 14%
	Studies			-	-	-	-		-	-	-
1	Capacity Studies		2021	300,000	-	300,000	-		300,000	258,000	42,000
2	Capacity Studies		2026	300,000	-	300,000	-		300,000	258,000	42,000
3	Capacity Studies		2031	300,000	-	300,000	-		300,000	258,000	42,000
	Vertical			-	-	-	-		-	-	-
4	Fenelon Falls WTP LLPS and SCADA Upgrade	W-FF-01	2023	500,000	69,578	430,422	98,699		331,722	285,281	46,441
5	Lindsay WTP LLPS Upgrades	W-LIN-38	2028	5,038,000	537,372	4,500,628	-		4,500,628	3,870,540	630,088
6	Lindsay WTP Expansion	W-LIN-38A	2028	21,441,900	2,287,074	19,154,826	-		19,154,826	16,473,150	2,681,676
7	Janetville WTP Upgrades		2025	175,000	-	175,000	87,500		87,500	75,250	12,250
				-	-	-	-		-	-	-
8	2009 D.C. Growth Related Debt Payments (NPV of Principal and Interest)		2020-2028	933,162	-	933,162	-		933,162	802,519	130,643
9	D.C. Reserve Fund Debt (NPV of Principal and Interest)		2020-2031	1,002,813	-	1,002,813	-		1,002,813	862,419	140,394
	Reserve Fund Adjustment			-	-	-	-		(1,569,240)	(1,349,546)	(219,694)
	Total			29,990,875	2,894,024	27,096,850	186,199	-	25,341,411	21,793,614	3,547,798



Infrastructure Costs Covered in the D.C. Calculation – Water Distribution

Prj.No	Increased Service Needs Attributable to Anticipated Development	Project #	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 86%	Non-Residential Share 14%
	2020-2031										
	Horizontal			-	-	-	-		-	-	-
1	Ellice St. Watermain Replacement - Wychwood Cres. to Road Junction	W-FF-03	2020	579,000	-	579,000	179,490		399,510	343,579	55,931
2	Elliot St. Watermain Replacement - Road Junction to Murray St.	W-FF-04	2020	205,000	-	205,000	77,900		127,100	109,306	17,794
3	Ellice St. Watermain Replacement - Juniper St. to Road Junction	W-FF-05	2020	72,000	-	72,000	22,320		49,680	42,725	6,955
4	Murray St. Watermain Replacement - Elliot St. to Development Area D	W-FF-06	2023	814,000	-	814,000	327,742		486,258	418,182	68,076
5	Juniper St. Watermain Extension - Elliot St. to Development Area H	W-FF-07	2024	219,000	-	219,000	-	219,000	-	-	-
6	Princess St. Watermain Replacement - Colborne St. to Jordan St.	W-FF-09	2027	763,000	-	763,000	236,530		526,470	452,764	73,706
7	Princess St. Watermain Replacement - At Clifton St.	W-FF-10	2027	37,300	-	37,300	7,460		29,840	25,662	4,178
8	Concession Rd. Watermain Extension - Elgin St. to Princess St.	W-FF-11	2029	931,400	161,448	769,952	-		769,952	662,159	107,793
9	Wychwood Cres. Watermain Replacement - Ellice St. to Development Area E	W-FF-12	2028	437,000	-	437,000	67,371		369,629	317,881	51,748
10	Francis St. Watermain Replacement - Colborne St. to Clifton St.	W-FF-14	2023	456,600	-	456,600	209,171		247,429	212,789	34,640
11	Colborne St. Watermain Extension - North of Princess St.	W-FF-15	2023	447,600	-	447,600	-	286,464	161,136	138,577	22,559
12	Elliot St. Watermain Replacement - Murray St. to Lindsay St.	W-FF-18	2023	215,000	-	215,000	86,000		129,000	110,940	18,060
13	Lindsay St. Watermain Replacement - Elliot St. to Veteran's Way	W-FF-19	2021	613,800	-	613,800	210,792		403,008	346,587	56,421
14	Francis St. Watermain Replacement - Clifton St. to Janilisa Dr.	W-FF-22	2026	474,700	-	474,700	201,473		273,227	234,976	38,252
15	Janilisa Dr. Watermain Replacement - Francis St. to Development Area G	W-FF-23	2026	357,200	-	357,200	63,998		293,202	252,153	41,048
16	John St. Watermain Replacement - Francis St. to Louisa St.	W-FF-25	2031	417,100	-	417,100	107,480		309,620	266,273	43,347
17	Louisa St. Watermain Replacement - John St. to Development Area F	W-FF-26	2031	465,700	-	465,700	120,004		345,696	297,299	48,398
18	Short St. Watermain Extension - Existing 300mm Watermain to Development Area 3	W-FF-27	2031	397,000	-	397,000	-	174,680	222,320	191,195	31,125
19	Helen St. Watermain Replacement - Lindsay St. to West St.	W-FF-28A	2031	653,000	-	653,000	136,472		516,528	444,214	72,314
20	Helen St. Watermain Extension - West St. to Development Area 7	W-FF-28B	2031	836,000	-	836,000	-	367,840	468,160	402,618	65,542
21	Development Area 3 Watermains	W-FF-29	2031	277,000	-	277,000	-	123,111	153,889	132,344	21,544
22	Clifton St. Watermain Replacement - Princess St. to Fenelon River	W-FF-30	2031	1,126,900	-	1,126,900	251,951		874,949	752,456	122,493
23	Clifton St. Watermain Extension - Fenelon River Crossing	W-FF-31	2031	1,606,200	-	1,606,200	-		1,606,200	1,381,332	224,868
24	Canal St. Watermain Replacement - Canal Crossing to William St.	W-BOB-03	2022	1,120,100	-	1,120,100	168,015		952,085	818,793	133,292
25	East St. Watermain Replacement - Boyd St. to King St.	W-BOB-09A	2024	554,000	-	554,000	27,700		526,300	452,618	73,682
26	East St. Watermain Extension - King St. to Development Area 7	W-BOB-09B	2024	881,500	-	881,500	-		881,500	758,090	123,410
27	Mill St. Watermain Replacement - W-BOB-11 to W-BOB-10A	W-BOB-10	2025	143,000	84,370	58,630	7,150		51,480	44,273	7,207
28	Mill St. Watermain Replacement - W-BOB-10 to W-BOB-12	W-BOB-10A	2025	330,000	194,700	135,300	36,300		99,000	85,140	13,860
29	Mill St. Watermain Replacement - East St. to W-BOB-10	W-BOB-11	2025	570,000	336,300	233,700	28,500		205,200	176,472	28,728
30	Mill St. Watermain Replacement - W-BOB-10A to Lakewood Cres.	W-BOB-12	2025	275,000	162,250	112,750	30,250		82,500	70,950	11,550
31	West St. Watermain Replacement - Front St. to 300m north	W-BOB-14	2026	146,000	86,140	59,860	30,417		29,443	25,321	4,122
32	Lakewood Cres. Watermain Replacement - Mill St. to Development Area 1	W-BOB-17	2026	143,000	84,370	58,630	16,683		41,947	36,074	5,873
33	North St. Reid St. Bick St. and West St. Watermain Replacement	W-BOB-18	2025	1,846,000	-	1,846,000	241,211		1,604,789	1,380,119	224,671
34	Cedarlane Lane Watermain Replacement - East St. to Development Area 6	W-BOB-19	2027	1,369,900	808,241	561,659	109,592		452,067	388,778	63,289
35	North St. Watermain Replacement - Reid St. to West St.	W-BOB-20	2025	524,000	-	524,000	61,483		462,517	397,765	64,752
36	Development Area 6 Watermains	W-BOB-21	2026	2,908,300	-	2,908,300	-	1,861,312	1,046,988	900,410	146,578
37	East St. Watermain Replacement - Valley Dr. to Little Bob Dr.	W-BOB-21A	2026	224,900	-	224,900	16,793		208,107	178,972	29,135
38	East St. Watermain Extension - Riverside Dr. to Boyd St.	W-BOB-24	2031	621,700	-	621,700	-		621,700	534,662	87,038
39	Front St. and Anne St. Watermain Replacement - Main St. to East St.	W-BOB-24A	2031	1,038,700	-	1,038,700	152,343		886,357	762,267	124,090
40	Lindsay St. Watermain Extension - Logie St. to Hwy. 7	LSE-W-03	2023	1,224,000	130,569	1,093,431	-		1,093,431	940,351	153,080



Infrastructure Costs Covered in the D.C. Calculation – Water Distribution (Cont'd)

Prj.No	Increased Service Needs Attributable to Anticipated Development 2020-2031	Project #	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 86%	Non- Residential Share 14%
41	Hwy. 7 Watermain	LSE-W-04	2031	418,200	44,611	373,589	-		373,589	321,287	52,302
42	Auk Trail and Mary St. Looping - Adelaide St. to Mary St.	W-LIN-12	2023	572,700	-	572,700	315,362		257,338	221,311	36,027
43	King St. Watermain Replacement - St. Paul St. to St. Peter St.	W-LIN-28	2023	610,200	-	610,200	335,610		274,590	236,147	38,443
44	Pottinger St. Watermain Replacement - Dyana Dr. to Lindsay St.	W-LIN-35	2024	132,000	-	132,000	32,653		99,347	85,439	13,909
45	St. Peter St. Watermain Extension - Needham St. to Simpson Rd.	W-LIN-37	2027	323,300	-	323,300	-		323,300	278,038	45,262
46	Development Area 1 Watermains	W-LIN-49	2030	2,851,000	-	2,851,000	-	1,267,111	1,583,889	1,362,144	221,744
47	North Lindsay Elevated Tank Feed	W-LIN-50	2025	585,600	62,468	523,132	-		523,132	449,893	73,238
48	Mary St. Transmission Watermain Twinning - Lindsay WTP to W-LIN-64	W-LIN-51	2031	413,500	43,831	369,669	45,944		323,725	278,403	45,321
49	Mary St. Watermain Replacement - Lindsay St. to Albert St.	W-LIN-52A	2031	1,850,600	196,164	1,654,436	607,247		1,047,189	900,583	146,607
	Vertical			-	-	-	-		-	-	-
50	North Lindsay Elevated Tank	W-LIN-50A	2025	10,242,000	1,092,552	9,149,448	-		9,149,448	7,868,525	1,280,923
	Reserve Fund Adjustment								(390,616)	(335,930)	(54,686)
	Total			44,320,700	3,488,013	40,832,687	4,569,405	4,299,518	31,573,148	27,152,907	4,420,241



Chapter 6

D.C. Calculation



6. D.C. Calculation

6.1 Overview

The calculation of the maximum D.C.s that could be imposed by Council have been undertaken using a cash-flow approach for the growth-related capital costs identified in Chapter 5. The calculations are presented in Tables 6-1 to 6-7 for the following services, service areas, and forecast periods:

- Table 6-1 – Water Treatment and Distribution Services imposed in the urban serviced area over the 12-year period to 2031;
- Table 6-2 – Wastewater Treatment Services imposed in the urban serviced area over the 12-year period to 2031;
- Table 6-3 – Wastewater Collection Services imposed in the urban serviced area, excluding the Northwest Development Area of Lindsay, over the 12-year period to 2031;
- Table 6-4 – Roads and Related and Fire Services over the 12-year period City-wide;
- Table 6-5 – Police Services imposed in the Town of Lindsay and the former Township of Ops;
- Table 6-6 – Transit Services imposed in the Town of Lindsay; and
- Table 6-7 – City-wide services imposed over the 10-year period to 2029 (i.e. Parking Services, Airport Services, Parks and Recreation, Library Services, Paramedic Services, Municipal By-Law Enforcement, Health & Social Services, Waste Diversion Services, and Administration Studies).

The calculation for residential development is generated on a per capita basis and is based upon four forms of housing types (single and semi-detached, apartments 2+ bedrooms, apartment's bachelor and 1 bedroom, and rows or multiples). The non-residential D.C. has been calculated on a per sq.m. of G.F.A. basis for industrial, commercial, institutional development, as well as on a uniform bases for all types of non-residential development. The costs by that have been allocated to non-residential development in Chapter 5 have been further allocated to industrial, commercial, and institutional development based on the relationship of employment over the respective forecast periods are service areas. The non-residential charge is also calculated for



electrical generation development (i.e. wind turbines and solar farms) on a residential equivalent basis (for Fire, Police, Roads and Relates, Paramedic, and Administration Studies Services) for each 500 kW of nameplate generating capacity.

With respect to non-residential development, the total costs in the differentiated charge (i.e. industrial, commercial, and institutional) are allocated to non-residential development based on need for service, and have been divided by the anticipated development by type over the planning period to calculate a cost per sq.m of G.F.A.

The cash-flow calculations of the maximum D.C.s that could be imposed by Council have been undertaken to account for the timing of revenues and expenditures and the resultant financing needs. The cash-flow calculations have been undertaken by service for each forecast development type, i.e. residential, industrial, commercial, institutional, and uniform non-residential development. D.C. cash flow calculation tables are provided in Appendix C and have been undertaken to account for 1.25% earnings on D.C. reserve fund balances and 3.25% interest charged for reserve fund borrowing.

Tables 6-8 and 6-9 summarize the recommended schedule of charges, reflecting the maximum D.C.s by residential dwelling type, per sq.m. of G.F.A. for non-residential development (industrial, commercial, institutional, and uniform), and non-residential electrical generation development (per 500 kW nameplate generating capacity). Tables 6-10 and 6-11 compare the City's existing charges to the charges proposed herein (Tables 6-8 and 6-9), for a single detached residential dwelling unit (S.D.U.), and per sq.m. of G.F.A. for industrial, commercial, institutional, and uniform non-residential charges.



Table 6-1
City of Kawartha Lakes Calculation of Development Charges
within the Water Urban Serviced Area
2020-2031

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m²			
		Uniform	Industrial	Commercial	Institutional		Uniform	Industrial	Commercial	Institutional
	\$	\$				\$	\$	\$	\$	\$
1. Water Treatment	21,793,614	3,547,798	602,130	2,242,236	703,432	3,185	22.41	12.30	29.52	21.07
2. Water Distribution	27,152,907	4,420,241	750,200	2,793,627	876,414	3,302	23.24	12.76	30.61	21.85
TOTAL	\$48,946,521	\$7,968,038	\$1,352,330	\$5,035,862	\$1,579,846	\$6,487	45.66	25.06	60.12	42.92
Financing Cost	\$970,165	\$159,999	\$27,357	\$100,266	\$30,502					
D.C.-Eligible Capital Cost	\$49,916,686	\$8,128,037	\$1,379,686	\$5,136,129	\$1,610,348					
Buildout Gross Population/GFA Growth (sq.m.)	19,152	178,021	55,064	85,434	37,524					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$2,606.34	\$45.66	\$25.06	\$60.12	\$42.92					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$6,487								
Apartments - 2 Bedrooms +	1.493	\$3,891								
Apartments - Bachelor and 1 Bedroom	1.125	\$2,932								
Row or Multiple	2.214	\$5,770								



Table 6-2
City of Kawartha Lakes Calculation of Development Charges
within the Wastewater Urban Serviced Area
2020-2031

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m ²			
	\$	\$				\$	\$	\$	\$	\$
3. Wastewater Treatment	29,820,360	4,854,477	778,990	3,139,720	935,767	4,057	28.24	15.32	36.76	26.26
TOTAL	\$29,820,360	\$4,854,477	\$778,990	\$3,139,720	\$935,767	\$4,057	28.24	15.32	36.76	26.26
	\$1,364,988	\$222,281	\$35,531	\$143,594	\$42,884					
D.C.-Eligible Capital Cost	\$31,185,348	\$5,076,758	\$814,520	\$3,283,314	\$978,652					
Buildout Gross Population/GFA Growth (sq.m.)	19,132	179,749	53,178	89,308	37,263					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$1,630.01	\$28.24	\$15.32	\$36.76	\$26.26					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$4,057								
Apartments - 2 Bedrooms +	1.493	\$2,434								
Apartments - Bachelor and 1 Bedroom	1.125	\$1,834								
Row or Multiple	2.214	\$3,609								



Table 6-3
City of Kawartha Lakes Calculation of Development Charges
within the Wastewater Urban Serviced Area (Excluding Lindsay Northwest Development Area)
2020-2031

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m²			
	\$	\$				\$	\$	\$	\$	\$
4. Wastewater Collection	18,023,701	9,284,937	1,489,938	6,005,199	1,789,800	5,890	51.90	28.15	67.56	48.26
TOTAL	\$18,023,701	\$9,284,937	\$1,489,938	\$6,005,199	\$1,789,800	\$5,890	51.90	28.15	67.56	48.26
	\$90,218	\$44,815	\$7,210	\$28,081	\$8,357					
D.C.-Eligible Capital Cost	\$18,113,919	\$9,329,752	\$1,497,148	\$6,033,281	\$1,798,156					
Buildout Gross Population/GFA Growth (sq.m.)	7,654	179,749	53,178	89,308	37,263					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$2,366.55	\$51.90	\$28.15	\$67.56	\$48.26					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$5,890								
Apartments - 2 Bedrooms +	1.493	\$3,533								
Apartments - Bachelor and 1 Bedroom	1.125	\$2,662								
Row or Multiple	2.214	\$5,240								



Table 6-4
City of Kawartha Lakes Calculation of Development Charges
for City-Wide Services
2020-2031

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m²			
		Uniform	Industrial	Commercial	Institutional		Uniform	Industrial	Commercial	Institutional
	\$	\$				\$	\$	\$	\$	\$
5. Roads and Related	61,514,154	9,191,770	1,553,141	5,908,995	1,729,634	6,027	49.21	26.86	64.48	46.06
6. Fire Services	3,421,379	511,241	86,385	328,655	96,201	341	2.79	1.54	3.66	2.59
TOTAL	\$64,935,533	\$9,703,011	\$1,639,526	\$6,237,650	\$1,825,835	\$6,368	\$52.00	\$28.40	\$68.13	\$48.64
	(\$638,177)	(\$95,057)	(\$31,019)	(\$63,244)	(\$677)					
D.C.-Eligible Capital Cost	\$64,297,355	\$9,607,954	\$1,608,506	\$6,174,406	\$1,825,158					
12-Year Gross Population/GFA Growth (sq.m.)	25,132	184,784	56,634	90,627	37,524					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$2,558.39	\$52.00	\$28.40	\$68.13	\$48.64					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$6,368								
Apartments - 2 Bedrooms +	1.493	\$3,820								
Apartments - Bachelor and 1 Bedroom	1.125	\$2,878								
Row or Multiple	2.214	\$5,664								



Table 6-5
City of Kawartha Lakes Calculation of Development Charges
for Police Services
2020-2029

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m²			
		Uniform	Industrial	Commercial	Institutional		Uniform	Industrial	Commercial	Institutional
	\$	\$				\$	\$	\$	\$	\$
7. Police Services	1,956,163	318,445	62,615	197,580	58,250	393	2.69	1.51	3.62	2.59
TOTAL	\$1,956,163	\$318,445	\$62,615	\$197,580	\$58,250	\$393	\$2.69	\$1.51	\$3.62	\$2.59
	\$94,373	\$15,985	\$3,174	\$9,533	\$2,858					
D.C.-Eligible Capital Cost	\$2,050,536	\$334,430	\$65,789	\$207,113	\$61,108					
10-Year Gross Population/GFA Growth (sq.m.)	12,988	124,220	43,501	57,194	23,607					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$157.88	\$2.69	\$1.51	\$3.62	\$2.59					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489					\$393				
Apartments - 2 Bedrooms +	1.493					\$236				
Apartments - Bachelor and 1 Bedroom	1.125					\$178				
Row or Multiple	2.214					\$350				



Table 6-6
City of Kawartha Lakes Calculation of Development Charges
for Transit Services
2020-2029

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m²			
		Uniform	Industrial	Commercial	Institutional		Uniform	Industrial	Commercial	Institutional
	\$	\$				\$	\$	\$	\$	\$
8. Transit Services	1,193,345	210,590	41,332	130,689	38,569	240	1.71	0.96	2.30	1.65
TOTAL	\$1,193,345	\$210,590	\$41,332	\$130,689	\$38,569	\$240	\$1.71	\$0.96	\$2.30	\$1.65
	\$8,600	\$1,394	\$279	\$948	\$279					
D.C.-Eligible Capital Cost	\$1,201,945	\$211,984	\$41,611	\$131,637	\$38,848					
10-Year Gross Population/GFA Growth (sq.m.)	12,487	124,109	43,501	57,194	23,607					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$96.26	\$1.71	\$0.96	\$2.30	\$1.65					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$240								
Apartments - 2 Bedrooms +	1.493	\$144								
Apartments - Bachelor and 1 Bedroom	1.125	\$108								
Row or Multiple	2.214	\$213								



Table 6-7
City of Kawartha Lakes Calculation of Development Charges
for City-Wide Services
2020-2029

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m²			
		Unform	Industrial	Commercial	Institutional		Unform	Industrial	Commercial	Institutional
	\$	\$				\$	\$	\$	\$	\$
9. Parking Services	944,555	141,140	23,849	90,733	26,559	111	0.90	0.49	1.18	0.84
10. Airport Services	181,740	27,157	4,589	17,458	5,110	22	0.18	0.10	0.24	0.17
11. Parks and Recreation	5,687,151	299,324	50,577	192,422	56,324	664	1.91	1.91	1.91	1.91
12. Library Services	2,931,743	154,302	26,073	99,194	29,035	340	0.98	0.98	0.98	0.98
13. Administration Studies	3,073,987	459,331	77,614	295,284	86,433	362	2.95	1.61	3.87	2.77
14. Municipal By-law Enforcement	123,503	18,454	3,118	11,864	3,473	14	0.12	0.06	0.15	0.11
15. Paramedic Services	1,645,395	245,864	41,544	158,055	46,265	190	1.55	0.85	2.03	1.45
16. Health & Social Services	1,712,724	-	-	-	-	206				
17. Waste Diversion Services	553,701	82,737	13,980	53,188	15,569	64	0.52	0.29	0.68	0.49
TOTAL	\$16,854,500	\$1,428,309	\$241,343	\$918,199	\$268,768	\$1,973	\$9.11	\$6.28	\$11.05	\$8.72
	\$223,697	\$17,519	\$66,798	(\$58,707)	\$9,205					
D.C.-Eligible Capital Cost	\$17,078,197	\$1,445,828	\$308,140	\$859,492	\$277,973					
10-Year Gross Population/GFA Growth (sq.m.)	21,550	158,679	49,053	77,760	31,866					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$792.49	\$9.11	\$6.28	\$11.05	\$8.72					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$1,973								
Apartments - 2 Bedrooms +	1.493	\$1,183								
Apartments - Bachelor and 1 Bedroom	1.125	\$892								
Row or Multiple	2.214	\$1,755								



Table 6-8
City of Kawartha Lakes
Calculated Schedule of Residential Development Charges

Service	RESIDENTIAL			
	Single and Semi-Detached Dwelling	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	Row or Multiple
Municipal Wide Services:				
Fire Services	341	205	154	304
Police Services ¹	393	236	178	350
Roads and Related	6,027	3,615	2,724	5,361
Transit Services ²	240	144	108	213
Parking Services	111	66	50	98
Airport Services	22	13	10	20
Parks and Recreation	664	398	300	590
Library Services	340	204	154	303
Paramedic Services	190	114	86	169
Municipal By-law Enforcement	14	9	6	13
Health & Social Services	206	123	93	183
Waste Diversion Services	64	38	29	57
Administration Studies	362	217	164	322
Total Municipal Wide Services	8,974	5,382	4,056	7,983
Urban Services				
Wastewater Treatment	4,057	2,433	1,834	3,609
Wastewater Collection ³	5,890	3,533	2,662	5,240
Water Treatment	3,185	1,910	1,439	2,833
Water Distribution	3,302	1,981	1,493	2,938
Total Urban Services	16,434	9,857	7,428	14,620
Urban - Lindsay	25,408	15,239	11,484	22,603
Urban - NWT	19,518	11,706	8,822	17,363
Urban - Other	24,776	14,859	11,198	22,040
Rural - Ops	8,734	5,238	3,948	7,770
Rural - Other	8,341	5,002	3,770	7,420

1. Police services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area



Table 6-9
City of Kawartha Lakes
Calculated Schedule of Non-Residential Development Charges

Service	NON-RESIDENTIAL (per sq.m. of Gross Floor Area)				NON-RESIDENTIAL (per 500kW nameplate generating capacity)
	Uniform	Industrial	Commercial	Institutional	
Municipal Wide Services:					
Fire Services	2.79	1.54	3.66	2.59	341
Police Services ¹	2.69	1.51	3.62	2.59	393
Roads and Related	49.21	26.86	64.48	46.06	6027
Transit Services ²	1.71	0.96	2.30	1.65	
Parking Services	0.90	0.49	1.18	0.84	
Airport Services	0.18	0.10	0.24	0.17	
Parks and Recreation	1.91	1.91	1.91	1.91	
Library Services	0.98	0.98	0.98	0.98	
Paramedic Services	1.55	0.85	2.03	1.45	190
Municipal By-law Enforcement	0.12	0.06	0.15	0.11	
Health & Social Services					
Waste Diversion Services	0.52	0.29	0.68	0.49	
Administration Studies	2.95	1.61	3.87	2.77	362
Total Municipal Wide Services	65.50	37.15	85.11	61.59	7,314
Urban Services					
Wastewater Treatment	28.24	15.32	36.76	26.26	
Wastewater Collection ³	51.90	28.15	67.56	48.26	
Water Treatment	22.41	12.30	29.52	21.07	
Water Distribution	23.24	12.76	30.61	21.85	
Total Urban Services	125.79	68.53	164.44	117.45	-
Urban - Lindsay	191.29	105.68	249.55	179.04	7,314
Urban - NWT	139.40	77.53	181.99	130.78	7,314
Urban - Other	186.90	103.21	243.62	174.81	6,921
Rural - Ops	63.79	36.20	82.81	59.95	7,314
Rural - Other	61.10	34.69	79.18	57.36	6,921

1. Polices services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area



Table 6-10
City of Kawartha Lakes
Comparison of Current and Calculated Residential Development Charges

Service	Single and Semi-Detached Dwelling			
	Current	Calculated	Change (%)	Change (\$)
Municipal Wide Services:				
Fire Services	532	341	-36%	(191)
Police Services ¹	508	393	-23%	(115)
Roads and Related	5,313	6,027	13%	714
Transit Services ²	77	240	211%	163
Parking Services	-	111		111
Airport Services	31	22	-28%	(9)
Parks and Recreation	204	664	225%	460
Library Services	235	340	45%	105
Paramedic Services	74	190	157%	116
Municipal By-law Enforcement	-	14		14
Health & Social Services	-	206		206
Waste Diversion Services	-	64		64
Administration Studies	140	362	159%	222
Total Municipal Wide Services	7,114	8,974	26%	1,860
Urban Services				
Wastewater Treatment	1,744	4,057	133%	2,313
Wastewater Collection ³	5,825	5,890	1%	65
Water Treatment	2,485	3,185	28%	700
Water Distribution	3,011	3,302	10%	291
Total Urban Services	13,065	16,434	26%	3,369
Urban - Lindsay	20,179	25,408	26%	5,229
Urban - NWT	14,354	19,518	36%	5,164
Urban - Other	19,594	24,776	26%	5,182
Rural - Ops	7,037	8,734	24%	1,697
Rural - Other	6,529	8,341	28%	1,812



Table 6-11
City of Kawartha Lakes
Comparison of Current and Calculated Non-Residential Development Charges

Service	Industrial				Commercial				Institutional				Uniform
	Current	Calculated	Change (%)	Change (\$)	Current	Calculated	Change (%)	Change (\$)	Current	Calculated	Change (%)	Change (\$)	Calculated
Municipal Wide Services:													
Fire Services	2.98	1.54	-48%	(1.44)	7.15	3.66	-49%	(3.49)	5.11	2.59	-49%	(2.52)	2.79
Police Services ¹	2.05	1.51	-26%	(0.54)	4.90	3.62	-26%	(1.28)	3.51	2.59	-26%	(0.92)	2.69
Roads and Related	27.46	26.86	-2%	(0.60)	63.21	64.48	2%	1.27	45.12	46.06	2%	0.94	49.21
Transit Services ²	0.31	0.96	209%	0.65	0.72	2.30	220%	1.58	0.50	1.65	229%	1.15	1.71
Parking Services	-	0.49		0.49	-	1.18		1.18	-	0.84		0.84	0.90
Airport Services	0.16	0.10	-38%	(0.06)	0.41	0.24	-42%	(0.17)	0.29	0.17	-42%	(0.12)	0.18
Parks and Recreation	1.23	1.91	55%	0.68	1.23	1.91	55%	0.68	1.23	1.91	55%	0.68	1.91
Library Services	1.43	0.98	-32%	(0.45)	1.43	0.98	-32%	(0.45)	1.43	0.98	-32%	(0.45)	0.98
Paramedic Services	0.41	0.85	107%	0.44	1.00	2.03	103%	1.03	0.72	1.45	102%	0.73	1.55
Municipal By-law Enforcement	-	0.06		0.06	-	0.15		0.15	-	0.11		0.11	0.12
Health & Social Services	-	-		-	-	-		-	-	-		-	-
Waste Diversion Services	-	0.29		0.29	-	0.68		0.68	-	0.49		0.49	0.52
Administration Studies	0.78	1.61	107%	0.83	1.87	3.87	107%	2.00	1.35	2.77	105%	1.42	2.95
Total Municipal Wide Services	36.81	37.15	1%	0.34	81.92	85.11	4%	3.19	59.26	61.59	4%	2.33	65.50
Urban Services													
Wastewater Treatment	6.95	15.32	120%	8.37	15.98	36.76	130%	20.78	11.44	26.26	130%	14.82	28.24
Wastewater Collection ³	23.41	28.15	20%	4.74	53.12	67.56	27%	14.44	38.11	48.26	27%	10.15	51.90
Water Treatment	10.10	12.30	22%	2.20	23.22	29.52	27%	6.30	16.62	21.07	27%	4.45	22.41
Water Distribution	12.27	12.76	4%	0.49	28.73	30.61	7%	1.88	20.55	21.85	6%	1.30	23.24
Total Urban Services	52.73	68.53	30%	16	121.05	164.44	36%	43	86.72	117.45	35%	31	125.79
Urban - Lindsay	89.54	105.68	18%	16.14	202.97	249.55	23%	46.58	145.98	179.04	23%	33.06	191.29
Urban - NWT	66.13	77.53	17%	11.40	149.85	181.99	21%	32.14	107.87	130.78	21%	22.91	139.40
Urban - Other	87.18	103.21	18%	16.03	197.35	243.62	23%	46.27	141.97	174.81	23%	32.84	186.90
Rural - Ops	36.50	36.20	-1%	(0.30)	81.20	82.81	2%	1.61	58.76	59.95	2%	1.19	65.50
Rural - Other	34.45	34.69	1%	0.24	76.30	79.18	4%	2.88	55.25	57.36	4%	2.11	62.81



6.2 Development Charge Reductions Sensitivity Impacts

At the request of the City's D.C. Task Force, sensitivity options were prepared to assess the impact on D.C. revenues and subsequently non-D.C. revenue funding obligations as a result of imposing D.C.s at levels lower than those calculated in Section 6.1. It should be noted that the following impacts are calculated based on the anticipated development within the D.C. growth forecast. The actual impacts would reflect actual development activity over the term.

The following scenarios were considered:

1. Imposing a uniform non-residential D.C. rate at \$100 per sq.m. of G.F.A. within the urban serviced area of Lindsay, and proportionate reductions in all other areas of the City;
 - a. It is anticipated that over the 5-year term of the by-law imposing a uniform non-residential D.C. of \$100 per sq.m. of G.F.A. would result in D.C. revenue foregone of \$7.5 million.
2. Imposing a uniform non-residential D.C. rate at the median rate for the City's municipal comparators (i.e. \$92.59 per sq.m. of G.F.A.) within the urban serviced area of Lindsay, and proportionate reductions in all other areas of the City;
 - a. It is anticipated that over the 5-year term of the by-law imposing a uniform non-residential D.C. of \$92.59 per sq.m. of G.F.A. would result in D.C. revenue foregone of \$8.1 million.
3. Impacts of each \$10 reduction in uniform non-residential D.C.s and \$100 reduction in the residential charge for single and semi-detached units;
 - a. For each \$10 reduction in the uniform non-residential D.C., the revenue foregone would be approximately \$821,000 over the 5-year term of the by-law.
 - b. For each \$100 reduction in the residential D.C. for single and semi-detached dwellings, the revenue foregone would be approximately \$334,000 over the 5-year term of the by-law.



Chapter 7

D.C. Policy Recommendations and D.C. By-law Rules



7. D.C. Policy Recommendations and D.C. By-law Rules

7.1 Introduction

This chapter outlines the D.C. policy recommendations and by-law rules.

s.s.5(1)9 states that rules must be developed:

“...to determine if a development charge is payable in any particular case and to determine the amount of the charge, subject to the limitations set out in subsection 6.”

Paragraph 10 of the section goes on to state that the rules may provide for exemptions, phasing in and/or indexing of D.C.s.

s.s.5(6) establishes the following restrictions on the rules:

- the total of all D.C.s that would be imposed on anticipated development must not exceed the capital costs determined under 5(1) 2-8 for all services involved;
- if the rules expressly identify a type of development, they must not provide for it to pay D.C.s that exceed the capital costs that arise from the increase in the need for service for that type of development; however, this requirement does not relate to any particular development; and
- if the rules provide for a type of development to have a lower D.C. than is allowed, the rules for determining D.C.s may not provide for any resulting shortfall to be made up via other development.

With respect to “the rules,” Section 6 states that a D.C. by-law must expressly address the matters referred to above re s.s.5(1) paragraphs 9 and 10, as well as how the rules apply to the redevelopment of land.

The rules provided are based on the recommendations of City staff.



7.2 D.C. By-law Structure

It is recommended that:

- The City impose a City-wide D.C. calculation for all City-wide services; and area-specific calculations for those services with area specific benefits (i.e. police, transit, water treatment, water distribution, wastewater collection and wastewater treatment); and
- one municipal D.C. by-law be used for all services.

7.3 D.C. By-law Rules

The following subsections set out the recommended rules governing the calculation, payment, and collection of D.C.s in accordance with Section 6 of the D.C.A.

It is recommended that the following sections provide the basis for the D.C.s:

7.3.1 Payment in any Particular Case

In accordance with the D.C.A., s.2(2), a D.C. be calculated, payable and collected where the development requires one or more of the following:

1. the passing of a zoning by-law or of an amendment to a zoning by-law under section 34 of the *Planning Act*;
2. the approval of a minor variance under section 45 of the *Planning Act*;
3. a conveyance of land to which a by-law passed under section 50(7) of the *Planning Act* applies;
4. the approval of a plan of subdivision under section 51 of the *Planning Act*;
5. a consent under section 53 of the *Planning Act*;
6. the approval of a description under section 50 of the *Condominium Act*; or
7. the issuing of a building permit under the *Building Code Act* in relation to a building or structure.

7.3.2 Determination of the Amount of the Charge

The following conventions be adopted:



- 1) Costs allocated to residential uses will be assigned to different types of residential units based on the average occupancy for each housing type constructed during the previous 15 years. Costs allocated to non-residential uses will be assigned to industrial, commercial and institutional uses based on the G.F.A. G.F.A. is defined as:
 - in the case of a residential building or structure, the total area of all floors above grade of a dwelling unit measured between the outside surfaces of exterior walls or between the outside surfaces of exterior walls and the centre line of party walls dividing the dwelling unit from any other dwelling unit or other portion of a building; and
 - in the case of a non-residential building or structure, or in the case of a mixed-use building or structure in respect of the non-residential portion thereof, the total area of all building floors above or below grade measured between the outside surfaces of the exterior walls, or between the outside surfaces of exterior walls and the centre line of party walls dividing a non-residential use and a residential use;
- 2) Costs allocated to residential and non-residential uses are based upon a number of conventions, as may be suited to each municipal circumstance. These are summarized in Chapter 5 herein.

7.3.3 Application to Redevelopment of Land (Demolition and Conversion)

If as a result of the redevelopment of land, a building or structure, or part thereof, existing on the same land was, or is to be demolished, in whole or in part, or converted from one principal use to another principal use, in order to facilitate the redevelopment, the development charge otherwise payable with respect to such redevelopment shall be reduced by:

- in the case of a residential building or structure, or in the case of a mixed-use building or structure, the residential uses in the mixed-use building or structure, an amount calculated by multiplying the applicable development charge by the number, according to type, of dwelling units that have been or will be demolished or converted to another principal use;



- in the case of a non-residential building or structure or, in the case of mixed-use building or structure, the non-residential uses in the mixed-use building or structure, an amount calculated by multiplying the applicable development charge by the gross floor area that has been or will be demolished or converted to another principal use; and
- The demolition credit is allowed only if the land was improved by occupied structures, and if the existing buildings or structures were capable of being occupied and were demolished or converted during the three-year period prior to the development charges coming payable. The credit can, in no case, exceed the amount of D.C.s that would otherwise be payable.

It is proposed that extensions to the City's redevelopment credit policy may be granted through the City's D.C. Assistance Policy. It is proposed that where there is a credible commitment to redeveloping within a timely manner, a 3-year extension may be granted to the period in which a D.C. redevelopment credit may be obtained.

Moreover, where Council determines that the timely demolition of a derelict building is in the public's interest, Council may grant an extension of up to 7-years to the period in which a D.C. redevelopment credit may be obtained.

7.3.4 Exemptions (full or partial)

a) Statutory exemptions

- industrial building additions of up to and including 50% of the existing gross floor area (defined in O.Reg. 82/98, s.1) of the building; for industrial building additions which exceed 50% of the existing gross floor area, only the portion of the addition in excess of 50% is subject to D.C.s (s.4(3)) of the D.C.A.;
- buildings or structures owned by and used for the purposes of any municipality, local board or Board of Education (s.3);
- residential development that results only in the enlargement of an existing dwelling unit, or that results only in the creation of up to two additional dwelling units (based on prescribed limits set out in s.2 of O.Reg. 82/98).

b) Non-statutory exemptions

The following non-statutory exemptions are proposed to be included in the City's D.C. By-law:



- A place of worship;
- A non-profit hospice;
- A public hospital;
- A cemetery, burial site, or crematorium as defined in the Assessment Act;
- An agricultural development;
- A municipal housing dwelling unit; and
- A park model trailer.

For the purposes of funding the D.C. exemptions for agricultural development, the charge amounts are presented in Table 7-1 below for the respective development areas reflective of the lower density of development.

Table 7-1
Agricultural Development Charge

Description	Agricultural Development (per sq.m. of G.F.A.)
Urban - Lindsay	22.77
Urban - NWT	16.63
Urban - Other	22.23
Rural - Ops	7.61
Rural - Other	7.28

7.3.5 Phasing in

No provisions for phasing in the D.C. are provided in the D.C. by-law.

7.3.6 Timing of Collection

The D.C.s for all services are payable upon issuance of a building permit for each dwelling unit, building or structure, subject to early or late payment agreements entered into by the City and an owner under s.27 of the D.C.A., 1997.

Where a development proceeds through a plan of subdivision under Section 51 of the Planning Act or a consent under Section 53 of the Planning Act and if a subdivision or consent agreement with respect to the development is entered into with the City, the D.C.s for roads and related, water treatment, water distribution, wastewater treatment,



and wastewater collection services may be calculated and payable on the date the agreement is executed.

7.3.7 Indexing

All D.C.s will be subject to mandatory indexing annually on January 1st, in accordance with provisions under the D.C.A.

7.3.8 D.C. Spatial Applicability

The D.C.A. historically has provided the opportunity for a municipality to impose municipal-wide charges or area specific charges. Sections 2(7) and 2(8) of the D.C.A. provide that a D.C. by-law may apply to the entire municipality or only part of it and more than one D.C. by-law may apply to the same area. Amendments to the D.C.A. now require municipalities to consider the application of municipal-wide and area-specific D.C.s. s.10(2)(c.1) requires Council to consider the use of more than one D.C. by-law to reflect different needs from services in different areas.

Most municipalities in Ontario have established uniform, municipal-wide D.C.s. When area-specific charges are used, it is generally to underpin master servicing and front-end financing arrangements for more localized capital costs.

Area-specific charges are proposed for those services with area specific benefits (i.e. Police, Transit, Water Treatment, Water Distribution, Wastewater Treatment and Wastewater Collection), while a City-wide calculation is proposed for all other services. The rationale for maintaining a City-wide D.C. approach for all other services is based, in part, on the following:

- The ten-year service level from all applicable services across the City can be included to establish an upper ceiling on the amount of funds which can be collected. If a D.C. by-law applied to only a part of the municipality, the level of service cannot exceed that which would be determined if the by-law applied to the whole municipality. As such, when applied to forecast growth within the specific area, it would establish an area specific level of service ceiling which could reduce the total revenue recoverable for the City, potentially resulting in D.C. revenue shortfalls and impacts on property taxes and user rates.



- City-wide D.C.s ensures a consistent approach to financing the entire cost associated with growth-related capital projects. For example, user rates and property taxes are required to finance the share of growth-related capital projects not recoverable by D.C.s and all associated operating costs. Therefore, the use of area specific D.C.s results in a share of growth-related capital costs being recovered from a specific area, with the remaining capital costs of the projects (i.e. non-D.C. recoverable share) and the associated operating costs with those new assets being recovered from uniform user rates and property taxes, applied to the entire City.
- Attempting to impose an area-specific D.C. potentially causes equity issues in transitioning from a City-wide approach to an area-specific approach. An area of a municipality that is less developed and becomes subject to an area specific D.C., could face a significant increase in D.C. rates, as the municipality will not benefit from drawing on the pool of D.C. funding and may have contributed D.C.s to fund capital required to support development in other communities of the City. Whereas, another part of the municipality that has experienced significant growth which required substantial capital investments, benefitted from the capital investments being financed by City-wide D.C.s. The implementation of area specific D.C.s could result in varying D.C.s across the City, which may impact the ability to attract investment into parts of the community.
- Services are generally available across the City, used often by all residents and are not restricted to one specific geographic area. The use of a City-wide D.C. approach reflects these system-wide benefits of service and more closely aligns with the funding principles of service provision (e.g. uniform City-wide property tax rates, etc.).

Based on the foregoing and discussions with City staff, there is no apparent justification for the establishment of further area-specific D.C.s at this time. The recommendation is to continue to apply City-wide D.C.s for all services other than Water Treatment, Water Distribution, Wastewater Treatment, Wastewater Collection, Police, and Transit.



7.4 Other D.C. By-law Provisions

7.4.1 Categories of Services for Reserve Fund and Credit Purposes

It is recommended that the City's D.C. collections be contributed into 17 separate reserve funds, including:

- Fire Services
- Police Services;
- Roads and Related;
- Transit Services;
- Parking Services;
- Airport Services;
- Parks and Recreation;
- Library Services;
- Paramedic Services;
- Municipal By-law Enforcement;
- Health & Social Services;
- Waste Diversion Services;
- Administration Studies;
- Wastewater Treatment;
- Wastewater Collection;
- Water Treatment; and
- Water Distribution.

7.4.2 By-law In-force Date

The proposed by-law under D.C.A., 1997 will come into force on January 1, 2020.

7.4.3 Minimum Interest Rate Paid on Refunds and Charged for Inter-Reserve Fund Borrowing

The minimum interest rate is the Bank of Canada rate on the day on which the by-law comes into force (as per s.11 of O.Reg. 82/98).



7.5 Other Recommendations

It is recommended that Council:

“Approve the capital project listing set out in Chapter 5 of the D.C. Background Study dated October 7, 2019, subject to further annual review during the capital budget process;”

“Approve the D.C. Background Study dated October 7, 2019”

“Determine that no further public meeting is required;” and

“Approve the D.C. By-law as set out in Appendix F.”



Chapter 8

Asset Management Plan



8. Asset Management Plan

8.1 Introduction

The changes to the D.C.A. (new section 10(c.2)) in 2016 require that the background study must include an Asset Management Plan (A.M.P) related to new infrastructure. Section 10 (3) of the D.C.A. provides:

The A.M.P. shall,

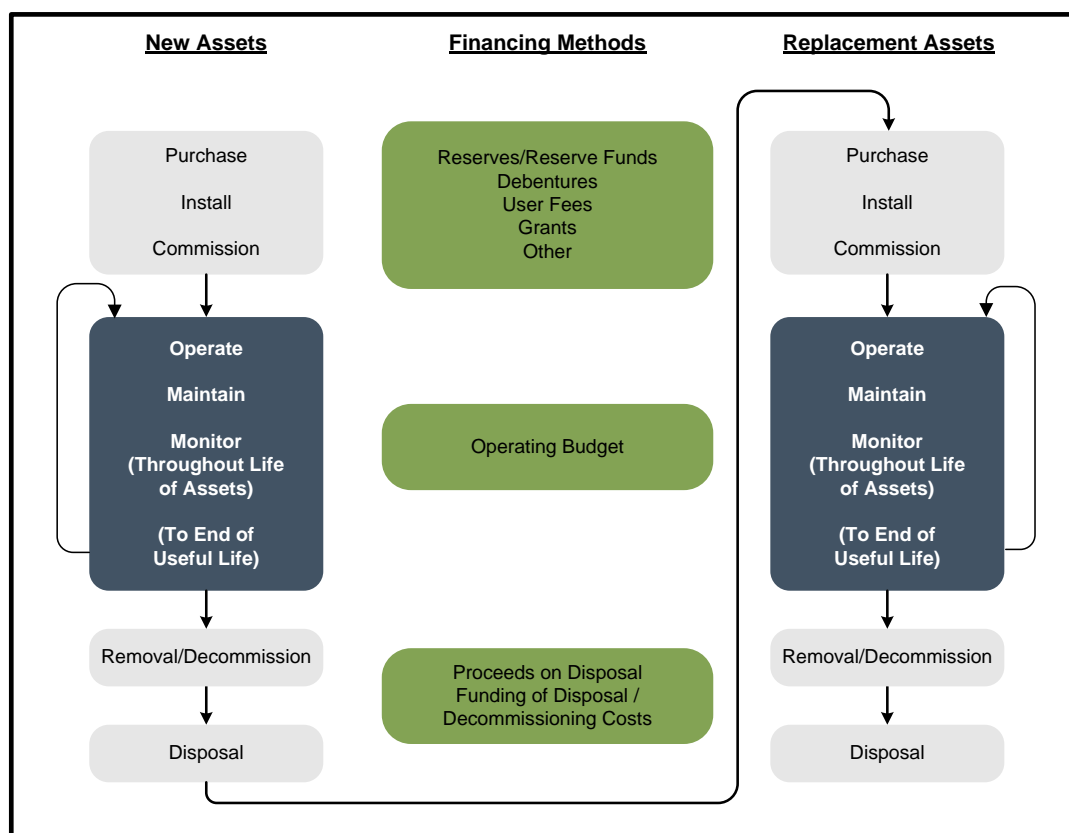
- a) deal with all assets whose capital costs are proposed to be funded under the development charge by-law;**
- b) demonstrate that all the assets mentioned in clause (a) are financially sustainable over their full life cycle;**
- c) contain any other information that is prescribed; and**
- d) be prepared in the prescribed manner.**

At a broad level, the A.M.P. provides for the long-term investment in an asset over its entire useful life along with the funding. The schematic below identifies the costs for an asset through its entire lifecycle. For growth-related works, the majority of capital costs will be funded by the D.C. Non-growth-related expenditures will then be funded from non-D.C. revenues as noted below. During the useful life of the asset, there will be minor maintenance costs to extend the life of the asset along with additional program related expenditures to provide the full services to the residents. At the end of the life of the asset, it will be replaced by non-D.C. financing sources.

In 2012, the Province developed Building Together: Guide for Municipal Asset Management Plans which outlines the key elements for an A.M.P., as follows:

State of local infrastructure: asset types, quantities, age, condition, financial accounting valuation and replacement cost valuation.

Desired levels of service: defines levels of service through performance measures and discusses any external trends or issues that may affect expected levels of service or the municipality's ability to meet them (for example, new accessibility standards, climate change impacts).



Asset management strategy: the asset management strategy is the set of planned actions that will seek to generate the desired levels of service in a sustainable way, while managing risk, at the lowest lifecycle cost.

Financing strategy: having a financial plan is critical for putting an A.M.P. into action. By having a strong financial plan, municipalities can also demonstrate that they have made a concerted effort to integrate the A.M.P. with financial planning and municipal budgeting, and are making full use of all available infrastructure financing tools.

The City has undertaken an A.M.P as of 2017, however, the plans do not address all assets proposed to be funded by the D.C. by-law and do not address all growth-related assets. As a result, the asset management requirement for this D.C. background study must be undertaken in the absence of this information. Due to the detailed requirements for transit in the regulations, the A.M.P. requirements for this D.C.



background study have been addressed separately for non-transit municipal services and transit services.

8.2 Non-Transit Services

In recognition to the schematic in Section 8.1, the following table (presented in 2019\$) has been developed to provide the annualized expenditures and revenues associated with new growth. Note that the D.C.A. does not require an analysis of the non-D.C. capital needs or their associated operating costs so these are omitted from the table below. Furthermore, as only the present infrastructure gap has been considered at this time within the A.M.P., the following does not represent a fiscal impact assessment (including future tax/rate increases) but provides insight into the potential affordability of the new assets:

1. The non-D.C. recoverable portion of the projects which will require financing from City financial resources (i.e. taxation, rates, fees, etc.). This amount has been presented on an annual debt charge amount based on 20-year financing.
2. Lifecycle costs for the 2019 D.C. capital works have been presented based on a sinking fund basis. The assets have been considered over their estimated useful lives.
3. Incremental operating costs for the D.C. services (only) have been included.
4. The resultant total annualized expenditures are \$36.0 million.
5. Consideration was given to the potential new taxation and user fee revenues which will be generated as a result of new growth. These revenues will be available to finance the expenditures above. The new operating revenues are \$22.7 million. This amount, totalled with the existing operating revenues of \$233.4 million, provides annual revenues of \$256.2 million by the end of the period.
6. In consideration of the above, the capital plan is deemed to be financially sustainable.



Table 8-1
City of Kawartha Lakes
Asset Management – Future Expenditures and Associated Revenues (2019\$)

	Sub-Total	2031 (Total)
Expenditures (Annualized)		
Annual Debt Payment on Non-Growth Related Capital ¹		11,911,777
Annual Debt Payment on Post Period Capital ²		433,788
Lifecycle:		
Annual Lifecycle - Town Wide Services	\$5,691,991	
Annual Lifecycle - Area Specific Services ³	\$8,474,421	
Sub-Total - Annual Lifecycle	\$14,166,412	\$14,166,412
Incremental Operating Costs (for D.C. Services)		\$9,955,088
Total Expenditures		\$36,033,277
Revenue (Annualized)		
Total Existing Revenue ⁴		\$233,432,279
Incremental Tax and Non-Tax Revenue (User Fees, Fines, Licences, etc.)		\$22,746,762
Total Revenues		\$256,179,041

¹ Non-Growth Related component of Projects including 10% mandatory deduction on soft services

² Interim Debt Financing for Post Period Benefit

³ Infrastructure costs included in Area Specific charges

⁴ As per Sch. 10 of FIR

8.3 Transit Services

In regard to the D.C.A. requirements for asset management for transit services, Ontario Regulation 82/98 (as amended) provides the following:

“8(3) If a council of a municipality proposes to impose a development charge in respect of transit services, the asset management plan referred to in subsection 10 (2) (c.2) of the Act shall include the following in respect of those services”



Provided in Table 8-2 are the individual items prescribed by subsection 8(3) of the Regulation (as amended), which are addressed in the following sections.

Table 8-2
Transit Services D.C. Background Study A.M.P. Requirements

<p style="text-align: center;">Ontario Regulation 82/98, as amended subsection 8(3) Requirements</p>
<p>1. A section that sets out the state of local infrastructure and that sets out,</p> <ul style="list-style-type: none"> i. the types of assets and their quantity or extent, ii. the financial accounting valuation and replacement cost valuation for all assets, iii. the asset age distribution and asset age as a proportion of expected useful life for all assets, and iv. the asset condition based on standard engineering practices for all assets.
<p>2. A section that sets out the proposed level of service and that,</p> <ul style="list-style-type: none"> i. defines the proposed level of service through timeframes and performance measures, ii. discusses any external trends or issues that may affect the proposed level of service or the municipality's ability to meet it, and iii. shows current performance relative to the targets set out.
<p>3. An asset management strategy that,</p> <ul style="list-style-type: none"> i. sets out planned actions that will enable the assets to provide the proposed level of service in a sustainable way, while managing risk, at the lowest life cycle cost, ii. is based on an assessment of potential options to achieve the proposed level of service, which assessment compares, <ul style="list-style-type: none"> A. life cycle costs, B. all other relevant direct and indirect costs and benefits, and C. the risks associated with the potential options, iii. contains a summary of, in relation to achieving the proposed level of service, (not defined clearly) <ul style="list-style-type: none"> A. non-infrastructure solutions, B. maintenance activities, C. renewal and rehabilitation activities, D. replacement activities, E. disposal activities, and F. expansion activities, iv. discusses the procurement measures that are intended to achieve the proposed level of service, and v. includes an overview of the risks associated with the strategy and any actions that will be taken in response to those risks.
<p>4. A financial strategy that,</p> <ul style="list-style-type: none"> i. shows the yearly expenditure forecasts that are proposed to achieve the proposed level of service, categorized by, <ul style="list-style-type: none"> A. non-infrastructure solutions, B. maintenance activities, C. renewal and rehabilitation activities, D. replacement activities, E. disposal activities, and F. expansion activities, ii. provides actual expenditures in respect of the categories set out in sub-subparagraphs i A to F from the previous two years, if available, for comparison purposes, iii. gives a breakdown of yearly revenues by source, iv. discusses key assumptions and alternative scenarios where appropriate, (see associated text) and v. identifies any funding shortfall relative to financial requirements that cannot be eliminated by revising service levels, asset management or financing strategies, and discusses the impact of the shortfall and how the impact will be managed.



8.3.1 State of Local Infrastructure

To present an overall state of the infrastructure for transit assets, asset inventory, asset valuation, and age have been summarized from information provided by City staff.

The transit assets included in this A.M.P. are the eleven Transit Services fleet vehicles. Provided in Table 8-3 is a high-level summary of the transit assets, useful life estimates, age, and 2019\$ replacement costs. In total, transit assets within the City have a replacement value of \$2.0 million.

Table 8-3
Asset Inventory and Valuation

Description	Inventory	Useful Life	Age	Total Replacement Costs
Transit Fleet	11	10	8.0	2,179,200

Asset age and useful life has been compiled from data received from the City. In aggregate, transit fleet has a weighted average useful life of 10 years and are 8.8 years old. Summarized in Table 8-4 is the distribution of total asset replacement value by the percentage of estimated useful life consumed. Based on the distribution of replacement value, 50% of the transit assets have consumed less than 25% of their useful lives while a further 8% have consumed have consumed greater than 50% of their respective useful lives. This distribution is reflective of the City's current fleet replacement practices.

Table 8-4
Distribution of Asset Value by Percentage of Useful Life Consumed

Description	Percentage of Useful Life Consumed			
	0-25%	25%-50%	50%-75%	75%-100%
Total Asset Replacement Value	1,086,300	175,200	801,300	116,400
% of Total Asset Replacement Value	50%	8%	37%	5%

The City maintains a regular replacement schedule of transit vehicles as required on a condition basis or to meet with changes in regulations.

8.3.2 Expected Levels of Service

A level of service (L.O.S.) analysis gives the City an opportunity to document the L.O.S. that is currently being provided and compare it to the L.O.S. that is expected. This can



be done through a review of current practices and procedures, an examination of trends or issues facing the City, or through an analysis of performance measures and targets that staff can use to measure performance.

Expected L.O.S. can be impacted by a number of factors, including:

1. Legislative requirements;
2. Strategic planning goals and objectives;
3. Resident expectations;
4. Council or City staff expectations; and
5. Financial or resource constraints.

The previous task of determining the state of the City's asset infrastructure establishes the asset inventory and condition, to guide the refinement and upkeep of asset infrastructure. It is important to document an expected L.O.S. that is realistic to the City. It is common to strive for the highest L.O.S., however these service levels usually come at a cost. It is also helpful to consider the risk associated with a certain L.O.S. Therefore, expected L.O.S. should be determined in a way that balances both level of investment and associated risk to the City.

City's Transit Master Plan measures the planned level of service in terms of the targeted passengers per revenue hour and revenue hours per capita. Consistent with the analysis set out in Section 5.2.2, this analysis looks at the expansion of the Transit system within Lindsay only. These targets have been set at 10.0 and 0.9 respectively based on the calculations set out in Table 5-1. Moreover, based on these targets, ridership is anticipated to increase from 125,000 trips annually to 289,090.

8.3.3 Asset Management Strategy

The asset management strategy provides the recommended course of actions required to deliver the expected L.O.S. discussed in the previous section in a sustainable fashion. The course of actions, when combined together, form a long-term operating and capital forecast that includes:

- a) Non-infrastructure solutions: reduce costs and/or extend expected useful life estimates;



- b) Maintenance activities: regularly scheduled activities to maintain existing useful life levels, or repairs needed due to unplanned events;
- c) Renewal/Rehabilitation: significant repairs or maintenance planned to increase the useful life of assets;
- d) Replacement/Disposal: complete disposal and replacement of assets, when renewal or rehabilitation is no longer an option; and
- e) Expansion: given planned growth as outlined in Chapter 3.

The planned level of service includes non-infrastructure solutions such as expanded hours of operation, modified routes, fare strategies, and expanded service areas (including new routes). Infrastructure solutions to meet the planned level of service include adding a bus, adding bus racks to all vehicles, adding transit stops for new routes, and adding an expanded Transit Operations Centre and new terminal. This planned level of service will result in both operating and capital budget impacts over the forecast period. This has to be taken into consideration with the objective of increasing ridership while mitigating risk.

The Transit Master Plan, recommended the following service improvements and fare strategies to move towards the planned level of service:

1. Service Improvements
 - Expanded Hours of Operation
 - Expanded service areas and increased frequency
 - New Routes
2. Fare Strategies
 - 60-minute transfer
 - Expanded High School Student Monthly Activity Pass
 - Fare Rate Modifications
3. Technology
 - Integrated Smart Card Fare System

While the City has begun to implement some of these measures they will move further towards the planned level of service through the purchase of an additional bus and other associated infrastructure for the addition of a new route within Lindsay.



Table 8-5 presents the annual lifecycle costs for the transit service assets based on the recommended actions described above. A fundamental approach to calculating the cost of using a capital asset and for the provision of the revenue required when the time comes to retire and replace it is the “sinking fund method”. This method first estimates the future value of the asset at the time of replacement, by inflating the current value of the asset at an assumed annual capital inflation rate. A calculation is then performed to determine annual contributions which, when invested in a reserve fund, will grow with interest to a balance equal to the future replacement cost. The contributions are calculated such that they also increase annually with inflation.

Table 8-5
Annual Lifecycle Cost

Description	Annual Lifecycle Cost
Transit Operations Centre	47,865
Transit Terminal	3,780
Transit Stops	3,240
Bus	23,320
Bike Racks for 11 Buses	2,700
Integrated Smart Card Fare System	3,775
Total	84,680

8.3.4 Financing Strategy

The financing strategy outlines the suggested financial approach to fund the recommended asset management strategy outlined in Section 8.3.3. This forecast expands on the City’s operating and capital budget forecast to contained within the City’s Kawartha Lakes Transit Master Plan. The financial forecast within this section of the asset management plan includes:

1. Annual expenditure forecasts broken down by:
 - Maintenance/non-infrastructure solutions;
 - Renewal/rehabilitation activities;
 - Replacement/disposal activities; and
 - Expansion activities.
2. A breakdown of annual funding/revenue by source.



A summary of the replacement/disposal and expansionary capital needs over the 10-year forecast period are presented in Table 8-6.

Table 8-6
Replacement/Disposal and Expansionary Capital

Description	Total
Replacement / Disposal	
<u>Fleet</u>	
Buses	1,710,000
Replacement / Disposal Total	1,710,000
Expansion Activities	
<u>Fleet & Equipment</u>	
Buses	190,000
Bike Racks for 11 Buses	22,000
Integrated Smart Card Fare System	88,000
<u>Buildings</u>	
Transit Operations Centre	886,300
Transit Terminal	70,000
Transit Stops	60,000
<u>Studies</u>	
Transit Operations Centre	90,000
Transit Terminal	90,000
Transit Stops	40,000
Expansion Total	1,536,300
Total	3,246,300

The financing strategy forecast, presented in Table 8-7, assumes that all non-D.C.-eligible costs, not proposed to be funded (i.e. replacement capital and non-growth capital) will be debt funded.

Kawartha Lakes Transit passenger revenues have been forecast such that the relationship of fare revenue to ridership is maintained. Furthermore, gas tax revenues are forecast to increase based on the proposed increase in gas tax funding identified in the Transit Master Plan.

Tax based support is forecast to increase by 199% over the forecast period from \$328,569 in 2020 to \$981,385 in 2029. This increase is driven primarily by increase in the costs per revenue hour relative to the forecast passenger revenue from the increase in ridership to provide the planned level of service over the forecast period.



Table 8-7
Financing Strategy

Expenditure Forecast										
Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Maintenance / Non-Infrastructure Solutions										
<u>CKL Transit Operating Costs</u>										
Base Operating Costs ¹	1,565,513	1,565,513	1,565,513	1,565,513	1,565,513	1,565,513	1,565,513	1,565,513	1,565,513	1,565,513
Incremental Operating Costs ²	124,222	248,444	372,666	496,888	621,110	691,964	762,818	833,672	904,526	975,380
Incremental Revenue Hours	1,775	3,549	5,324	7,098	8,873	9,885	10,897	11,910	12,922	13,934
Integrated Smart Card Fare System ³	2,200	2,200	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
Replacement / Disposal										
<u>Debt Funded</u>										
Fleet		13,369	26,737	40,106	53,474	66,843	66,843	80,212	120,317	120,317
Expansion Activities										
<u>D.C. Funded</u>										
Fleet & Equipment	68,200	-	117,800	-	-	-	-	-	-	-
Buildings	-	-	-	-	-	-	-	-	-	-
Studies	-	24,800	67,500	-	-	-	-	67,500	-	-
<u>Debt Funded</u>										
Fleet & Equipment		3,076	3,076	8,388	8,388	8,388	8,388	8,388	8,388	8,388
Buildings		-	-	9,566	74,781	74,781	74,781	74,781	74,781	74,781
Studies		-	1,118	2,774	2,774	2,774	2,774	2,774	4,430	4,430
Total	1,760,135	1,857,401	2,156,810	2,125,635	2,328,441	2,412,663	2,483,517	2,635,240	2,680,355	2,751,209

1. \$1.04 per revenue hour, 15,027 revenue hours (2018 CKL Transit Master Plan)

2. \$70 per incremental revenue hour (2018 CKL Transit Master Plan)

3. \$200 per bus per year (2018 CKL Transit Master Plan)

Revenue Forecast										
Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Operating										
Base Passenger Revenue ¹	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000
Provincial Gas Tax ²	1,103,389	1,261,016	1,261,016	1,261,016	1,261,016	1,261,016	1,261,016	1,261,016	1,261,016	1,261,016
Incremental Passenger Revenue ¹	39,977	79,954	119,931	159,907	199,884	217,667	235,450	253,233	271,015	288,798
Capital										
D.C. Revenue	68,200	24,800	185,300	-	-	-	-	67,500	-	-
Municipal Contribution	328,569	271,631	370,564	484,711	647,541	713,980	767,052	833,491	928,324	981,395
Total	1,760,135	1,857,401	2,156,810	2,125,635	2,328,441	2,412,663	2,483,517	2,635,240	2,680,355	2,751,209

1. \$1.76 per trip (2018 CKL Transit Master Plan)



Chapter 9

By-Law Implementation



9. By-law Implementation

9.1 Public Consultation Process

9.1.1 Introduction

This chapter addresses the mandatory, formal public consultation process (Section 9.1.2), as well as the optional, informal consultation process (Section 9.1.3). The latter is designed to seek the co-operation and participation of those involved, in order to produce the most suitable policy. Section 9.1.4 addresses the anticipated impact of the D.C. on development from a generic viewpoint.

9.1.2 Public Meeting of Council

Section 12 of the D.C.A. indicates that before passing a D.C. by-law, Council must hold at least one public meeting, giving at least 20 clear days' notice thereof, in accordance with the Regulation. Council must also ensure that the proposed by-law and background report are made available to the public at least two weeks prior to the (first) meeting.

Any person who attends such a meeting may make representations related to the proposed by-law.

If a proposed by-law is changed following such a meeting, Council must determine whether a further meeting (under this section) is necessary (i.e. if the proposed by-law which is proposed for adoption has been changed in any respect, Council should formally consider whether an additional public meeting is required, incorporating this determination as part of the final by-law or associated resolution). It is noted that Council's decision regarding additional public meetings, once made, is final and not subject to review by a Court or the Local Planning Appeal Tribunal (L.P.A.T.) (formerly the Ontario Municipal Board (O.M.B.)).

9.1.3 Other Consultation Activity

There are three broad groupings of the public who are generally the most concerned with City D.C. policy:



1. The first grouping is the residential development community, consisting of land developers and builders, who are typically responsible for generating the majority of the D.C. revenues. Others, such as realtors, are directly impacted by D.C. policy. They are, therefore, potentially interested in all aspects of the charge, particularly the quantum by unit type, projects to be funded by the D.C. and the timing thereof, and City policy with respect to development agreements, D.C. credits and front-ending requirements.
2. The second public grouping embraces the public at large and includes taxpayer coalition groups and others interested in public policy.
3. The third grouping is the industrial/commercial/institutional development sector, consisting of land developers and major owners or organizations with significant construction plans, such as hotels, entertainment complexes, shopping centres, offices, industrial buildings and institutions. Also involved are organizations such as Industry Associations, the Chamber of Commerce, the Board of Trade and the Economic Development Agencies, who are all potentially interested in City D.C. policy. Their primary concern is frequently with the quantum of the charge, gross floor area exclusions such as basements, mechanical or indoor parking areas, or exemptions and phase-in or capping provisions in order to moderate the impact.

9.2 Anticipated Impact of the Charge on Development

The establishment of sound D.C. policy often requires the achievement of an acceptable balance between two competing realities. The first is that high non-residential D.C.s can, to some degree, represent a barrier to increased economic activity and sustained industrial/commercial growth, particularly for capital intensive uses. Also, in many cases, increased residential D.C.s can ultimately be expected to be recovered via higher housing prices and can impact project feasibility in some cases (e.g. rental apartments).

On the other hand, D.C.s or other City capital funding sources need to be obtained in order to help ensure that the necessary infrastructure and amenities are installed. The timely installation of such works is a key initiative in providing adequate service levels and in facilitating strong economic growth, investment and wealth generation.



9.3 Implementation Requirements

9.3.1 Introduction

Once the City has calculated the charge, prepared the complete background study, carried out the public process and passed a new by-law, the emphasis shifts to implementation matters.

These include notices, potential appeals and complaints, credits, front-ending agreements, subdivision agreement conditions and finally the collection of revenues and funding of projects.

The sections which follow overview the requirements in each case.

9.3.2 Notice of Passage

In accordance with s.13 of the D.C.A., when a D.C. by-law is passed, the City clerk shall give written notice of the passing and of the last day for appealing the by-law (the day that is 40 days after the day it was passed). Such notice must be given no later than 20 days after the day the by-law is passed (i.e. as of the day of newspaper publication or the mailing of the notice).

Section 10 of O.Reg. 82/98 further defines the notice requirements which are summarized as follows:

- notice may be given by publication in a newspaper which is (in the Clerk's opinion) of sufficient circulation to give the public reasonable notice, or by personal service, fax or mail to every owner of land in the area to which the by-law relates;
- s.s.10(4) lists the persons/organizations who must be given notice; and
- s.s.10(5) lists the eight items which the notice must cover.

9.3.3 By-law Pamphlet

In addition to the "notice" information, the City must prepare a "pamphlet" explaining each D.C. by-law in force, setting out:

- a description of the general purpose of the D.C.s;



- the “rules” for determining if a charge is payable in a particular case and for determining the amount of the charge;
- the services to which the D.C.s relate; and
- a general description of the general purpose of the Treasurer’s statement and where it may be received by the public.

Where a by-law is not appealed to the L.P.A.T., the pamphlet must be readied within 60 days after the by-law comes into force. Later dates apply to appealed by-laws.

The City must give one copy of the most recent pamphlet without charge, to any person who requests one.

9.3.4 Appeals

Sections 13 to 19 of the D.C.A. set out the requirements relative to making and processing a D.C. by-law appeal and L.P.A.T. Hearing in response to an appeal. Any person or organization may appeal a D.C. by-law to the L.P.A.T. by filing a notice of appeal with the City Clerk, setting out the objection to the by-law and the reasons supporting the objection. This must be done by the last day for appealing the by-law, which is 40 days after the by-law is passed.

The City is carrying out a public consultation process, in order to address the issues that come forward as part of that process, thereby avoiding or reducing the need for an appeal to be made.

9.3.5 Complaints

A person required to pay a D.C., or his agent, may complain to the Council imposing the charge that:

- the amount of the charge was incorrectly determined;
- the reduction to be used against the D.C. was incorrectly determined; or
- there was an error in the application of the D.C.

Sections 20 to 25 of the D.C.A. set out the requirements that exist, including the fact that a complaint may not be made later than 90 days after a D.C. (or any part of it) is payable. A complainant may appeal the decision of City Council to the L.P.A.T.



9.3.6 Credits

Sections 38 to 41 of the D.C.A. set out a number of credit requirements, which apply where a City agrees to allow a person to perform work in the future that relates to a service in the D.C. by-law.

These credits would be used to reduce the amount of D.C.s to be paid. The value of the credit is limited to the reasonable cost of the work which does not exceed the average level of service. The credit applies only to the service to which the work relates, unless the City agrees to expand the credit to other services for which a D.C. is payable.

9.3.7 Front-Ending Agreements

The City and one or more landowners may enter into a front-ending agreement which provides for the costs of a project which will benefit an area in the City to which the D.C. by-law applies. Such an agreement can provide for the costs to be borne by one or more parties to the agreement who are, in turn, reimbursed in future by persons who develop land defined in the agreement.

Part III of the D.C.A. (Sections 44 to 58) addresses front-ending agreements and removes some of the obstacles to their use which were contained in the D.C.A., 1989. Accordingly, the City assesses whether this mechanism is appropriate for its use, as part of funding projects prior to City funds being available.

9.3.8 Severance and Subdivision Agreement Conditions

Section 59 of the D.C.A. prevents a municipality from imposing directly or indirectly, a charge related to development or a requirement to construct a service related to development, by way of a condition or agreement under s.51 or s.53 of the Planning Act, except for:

- “local services, related to a plan of subdivision or within the area to which the plan relates, to be installed or paid for by the owner as a condition of approval under section 51 of the Planning Act;” and
- “local services to be installed or paid for by the owner as a condition of approval under section 53 of the Planning Act.”



It is also noted that s.s.59(4) of the D.C.A. requires that the municipal approval authority for a draft plan of subdivision under s.s.51(31) of the Planning Act, use its power to impose conditions to ensure that the first purchaser of newly subdivided land is informed of all the D.C.s related to the development, at the time the land is transferred.

In this regard, if the City in question is a commenting agency, in order to comply with subsection 59(4) of the D.C.A. it would need to provide to the approval authority, information regarding the applicable City D.C.s related to the site.

If the City is an approval authority for the purposes of section 51 of the Planning Act, it would be responsible to ensure that it collects information from all entities which can impose a D.C.

The most effective way to ensure that purchasers are aware of this condition would be to require it as a provision in a registered subdivision agreement, so that any purchaser of the property would be aware of the charges at the time the title was searched prior to closing a transaction conveying the lands.



Appendices



Appendix A

Background Information on Residential and Non- Residential Growth Forecast



Schedule 1 City of Kawartha Lakes Residential Growth Forecast Summary

Year		Permanent Population (Including Census Undercount) ¹	Excluding Census Undercount					Housing Units								Permanent Person Per Unit (P.P.U.)	Permanent + Seasonal Person Per Unit (P.P.U.)
			Permanent Population	Institutional Population	Permanent Population Excluding Institutional	Seasonal Population	Total Permanent and Seasonal Population	Singles & Semi-Detached	Conversions ²	Multiples ³	Apartments ⁴	Other	Total Permanent Households	Seasonal Households	Total Households Including Seasonal		
Historical	Mid 2006	77,540	74,561	1,421	73,140	31,020	105,581	25,265		1,105	2,875	275	29,520	8,476	37,996	2.526	2.779
	Mid 2011	76,140	73,214	1,764	71,450	27,375	100,589	25,470		1,215	2,820	176	29,681	7,480	37,161	2.467	2.707
	Mid 2016	78,440	75,423	2,048	73,375	26,855	102,278	26,515		1,495	2,765	325	31,100	7,338	38,438	2.425	2.661
Forecast	Late 2019	80,120	77,042	2,088	74,954	28,317	105,359	27,300	248	1,536	2,947	325	32,355	7,737	40,092	2.381	2.628
	Late 2029	97,010	93,278	2,506	90,772	32,490	125,768	32,741	958	2,997	4,019	325	41,040	8,877	49,917	2.273	2.520
	Mid 2031	100,000	96,150	2,556	93,594	33,116	129,266	33,615	1,065	3,284	4,223	325	42,512	9,048	51,560	2.262	2.507
Incremental	Mid 2006 - Mid 2016	900	862	627	235	-4,165	-3,303	1,250	0	390	-110	50	1,580	-1,138	442		
	Mid 2016 - Late 2019	1,680	1,619	40	1,579	1,462	3,081	785	248	41	182	0	1,255	399	1,654		
	Late 2019 - Late 2029	16,890	16,236	418	15,818	4,173	20,409	5,441	710	1,462	1,072	0	8,685	1,140	9,825		
	Late 2019 - Mid 2031	19,880	19,108	468	18,640	4,799	23,907	6,315	817	1,748	1,277	0	10,157	1,311	11,468		

Source: Watson & Associates Economists Ltd., 2019. Forecast permanent and seasonal population and housing growth derived from City of Kawartha Lakes Summary of Population and Employment Growth 2006-2031, December 3, 2009. The 2031 population forecast is consistent with Schedule 3 of the Provincial Growth Plan for the Greater Golden Horseshoe, Schedule 3, 2031 (B), May 2019.

¹ Census undercount estimated at approximately 4.0%. Note: Population including the undercount has been rounded.

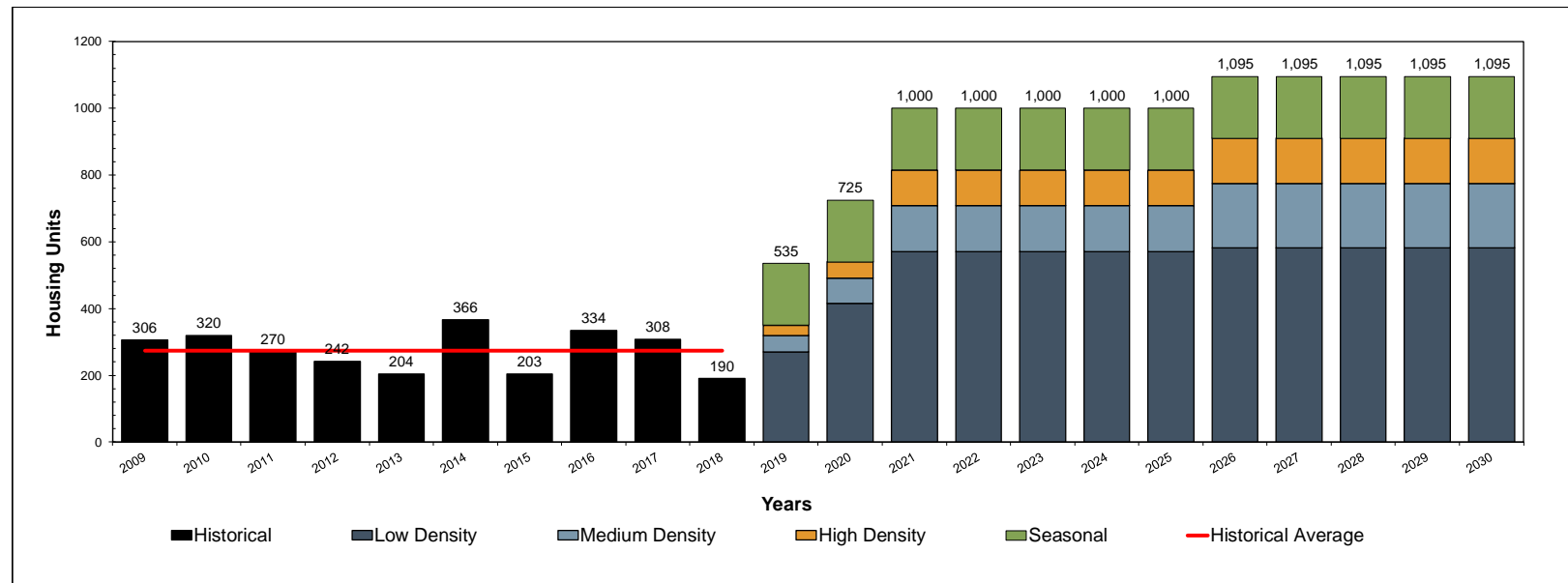
² Conversion of existing seasonal housing units to year-round permanent housing units.

³ Includes townhouses and apartments in duplexes.

⁴ Includes bachelor, 1-bedroom and 2-bedroom+ apartments.



Figure A-1
City of Kawartha Lakes
Annual Housing Forecast¹



Source: Historical housing activity from City of Kawartha Lakes Building Department building permit data, 2009-2018.

¹ Growth forecast represents calendar year.



Schedule 2a
City of Kawartha Lakes
Estimate of the Anticipated Amount, Type and Location of Residential Development for which Development
Charges Can Be Imposed

Development Location	Timing	Singles & Semi-Detached	Multiples ¹	Apartments ²	Total Residential Units Unadjusted for Conversions	Gross Seasonal Units Unadjusted for Conversions	Seasonal Units Adjusted for Conversion	Total Units Including Gross Seasonal	Conversions ³
Lindsay	2019 - 2029	3,607	1,080	866	5,553	-	-	5,553	-
	2019 - 2031	4,186	1,292	1,032	6,510	-	-	6,510	-
Bobcaygeon	2019 - 2029	531	109	46	686	-	-	686	-
	2019 - 2031	616	130	55	801	-	-	801	-
Fenelon Falls	2019 - 2029	490	127	52	669	-	-	669	-
	2019 - 2031	568	152	62	782	-	-	782	-
Omemee	2019 - 2029	269	-	-	269	-	-	269	-
	2019 - 2031	313	-	-	313	-	-	313	-
Other-Water Serviced	2019 - 2029	14	-	-	14	-	-	14	-
	2019 - 2031	16	-	-	16	-	-	16	-
Other-Sewer Serviced	2019 - 2029	7	-	-	7	-	-	7	-
	2019 - 2031	8	-	-	8	-	-	8	-
Unserviced	2019 - 2029	524	146	107	777	1,850	1,140	2,627	710
	2019 - 2031	609	175	127	911	2,128	1,311	3,039	817
City of Kawartha Lakes	2019 - 2029	5,441	1,462	1,072	7,975	1,850	1,140	9,825	710
	2019 - 2031	6,315	1,748	1,277	9,340	2,128	1,311	11,468	817



Schedule 2b
City of Kawartha Lakes
Estimate of the Anticipated Amount, Type and Location of Residential Development for which Development
Charges Can Be Imposed

Development Location	Timing	Gross Permanent Population in New Units	Existing Unit Population Change	Permanent Net Population Increase Excluding Conversions	Institutional Population	50% Seasonal Population Equivalent Excluding Conversions	100% Seasonal Population Equivalent Excluding Conversions	Net Population Increase (including Institutional and 50% Seasonal Population Equivalent) Including Conversions	Net Population Increase (including Institutional and 100% Seasonal Population Equivalent) Excluding Conversions	Population Change From Conversion of Seasonal to Permanent Units	Net Population Increase (including Institutional and 50% Seasonal Population Equivalent) Including Conversions	Net Population Increase (including Institutional and 100% Seasonal Population Equivalent) Including Conversions
Lindsay	2019 - 2029	12,487	(841)	11,646	376	-	-	12,022	12,022	-	12,022	12,022
	2019 - 2031	14,612	(948)	13,664	421	-	-	14,085	14,085	-	14,085	14,085
Bobcaygeon	2019 - 2029	1,622	(144)	1,479	23	-	-	1,502	1,502	-	1,502	1,502
	2019 - 2031	1,892	(162)	1,730	26	-	-	1,756	1,756	-	1,756	1,756
Fenelon Falls	2019 - 2029	1,567	(94)	1,473	19	-	-	1,492	1,492	-	1,492	1,492
	2019 - 2031	1,831	(106)	1,725	21	-	-	1,746	1,746	-	1,746	1,746
Omemee	2019 - 2029	670	(57)	613	-	-	-	613	613	-	613	613
	2019 - 2031	778	(64)	714	-	-	-	714	714	-	714	714
Other-Water Serviced	2019 - 2029	34	(275)	(241)	-	-	-	(241)	(241)	-	(241)	(241)
	2019 - 2031	39	(310)	(270)	-	-	-	(270)	(270)	-	(270)	(270)
Other-Sewer Serviced	2019 - 2029	16	(35)	(19)	-	-	-	(19)	(19)	-	(19)	(19)
	2019 - 2031	19	(40)	(21)	-	-	-	(21)	(21)	-	(21)	(21)
Unserviced	2019 - 2029	1,766	(2,665)	(899)	-	3,386	6,771	2,487	5,872	(831)	1,656	5,041
	2019 - 2031	2,066	(3,002)	(936)	-	3,894	7,788	2,958	6,852	(957)	2,002	5,896
City of Kawartha Lakes	2019 - 2029	18,164	(4,112)	14,052	418	3,386	6,771	17,856	21,241	(831)	17,025	20,409
	2019 - 2031	21,238	(4,632)	16,606	468	3,894	7,788	20,968	24,863	(957)	20,012	23,907



Schedule 2c
City of Kawartha Lakes
Estimate of the Anticipated Amount, Type and Location of Residential Development for which Development
Charges Can Be Imposed

Development Location	Timing	Gross Permanent Population in New Units	50% Seasonal Population Equivalent Excluding Conversions	100% Seasonal Population Equivalent Excluding Conversions	Total Gross Population in New Permanent and 50% Seasonal Units	Total Gross Population in New Permanent and 100% Seasonal Units
Lindsay	2019 - 2029	12,487	-	-	12,487	12,487
	2019 - 2031	14,612	-	-	14,612	14,612
Bobcaygeon	2019 - 2029	1,622	-	-	1,622	1,622
	2019 - 2031	1,892	-	-	1,892	1,892
Fenelon Falls	2019 - 2029	1,567	-	-	1,567	1,567
	2019 - 2031	1,831	-	-	1,831	1,831
Omeme	2019 - 2029	670	-	-	670	670
	2019 - 2031	778	-	-	778	778
Other-Water Served	2019 - 2029	34	-	-	34	34
	2019 - 2031	39	-	-	39	39
Other-Sewer Served	2019 - 2029	16	-	-	16	16
	2019 - 2031	19	-	-	19	19
Unserviced	2019 - 2029	1,766	3,386	6,771	5,152	8,537
	2019 - 2031	2,066	3,894	7,788	5,960	9,854
City of Kawartha Lakes	2019 - 2029	18,164	3,386	6,771	21,550	24,935
	2019 - 2031	21,238	3,894	7,788	25,132	29,026

Source: Watson & Associates Economists Ltd., 2019.

Residential distribution based on similar distribution from City of Kawartha Lakes Growth Management Strategy, 2011.

¹ Includes townhomes and apartments in duplexes.

² Includes bachelor, 1-bedroom and 2-bedroom+ apartments.

³ Conversion of existing seasonal housing units to year-round permanent housing units.

Note: Numbers may not add to totals due to rounding.



Schedule 3 City of Kawartha Lakes Current Year Growth Forecast Mid 2016 to Late 2019

			Population
Mid 2016 Population (Permanent and Seasonal)			102,278
Occupants of Permanent New Housing Units, Mid 2016 to Late 2019	Units (2)	1,007	
	multiplied by P.P.U. (3)	2,205	
	gross population increase	2,220	2,220
Occupants of Converted Units Mid 2016 to Late 2019	Conversion Units (4)	248	
	multiplied by P.P.U. (3)	2,412	
	gross population increase	598	598
Occupants of New Seasonal Units Mid 2016 to Late 2019	Net Seasonal Units(2)	399	
	multiplied by P.P.U. (3)	3,660	
	gross population increase	1,460	1,460
Occupants of New Equivalent Institutional Units Mid 2016 to Late 2019	Units	36	
	multiplied by P.P.U. (3)	1,100	
	gross population increase	40	40
Total Units (Permanent and Seasonal)	Total Units	1,654	
	Total gross population increase		4,318
Decline in Housing Unit Occupancy, Mid 2016 to Late 2019	Units (5)	31,100	
	multiplied by P.P.U. decline rate (6)	-0.0398	
	total decline in population	-1,237	-1,237
Population Estimate to Late 2019 (Permanent and Seasonal)			105,359
Net Population Increase, Mid 2016 to Late 2019 (Permanent and Seasonal)			3,081

(1) 2016 population based on Statistics Canada Census unadjusted for Census undercount.

(2) Estimated residential units constructed, - to the beginning of the growth period assuming a six-month lag between construction and occupancy.

(3) Average number of persons per unit (P.P.U.) is assumed to be:

Structural Type	Persons Per Unit ¹ (P.P.U.)	% Distribution of Estimated Units ²	Weighted Persons Per Unit Average
<i>Singles & Semi Detached</i>	2.412	78%	1.880
<i>Multiples (7)</i>	1.960	4%	0.079
<i>Apartments (8)</i>	1.364	18%	0.246
Permanent Total		100%	2.205
Seasonal Total	3.660	100%	3.660

¹ Permanent persons per unit based on 2016 Census custom database.

² Based on Building permit/completion activity.

(4) Conversion of units from seasonal to permanent occupancy.

(5) 2011 households taken from StatsCan Census.

(6) Decline occurs due to aging of the population and family life cycle changes, lower fertility rates and changing economic conditions.

(7) Includes townhomes and apartments in duplexes.

(8) Includes bachelor, 1 bedroom and 2 bedroom+ apartments.

Note: Numbers may not add to totals due to rounding.



Schedule 4 City of Kawartha Lakes 10-Year Growth Forecast Late 2019 to Late 2029

			Population
Late 2019 Population (Permanent and Seasonal)			105,359
Occupants of Permanent New Housing Units, Late 2019 to Late 2029	Units (2)	7,975	
	<i>multiplied by P.P.U. (3)</i>	2,278	
	<i>gross population increase</i>	18,164	18,164
Occupants of Converted Units Late 2019 to Late 2029	<i>Conversion Units (4)</i>	710	
	<i>multiplied by P.P.U. (3)</i>	2,489	
	<i>gross population increase</i>	1,767	1,767
Occupants of New Seasonal Units Late 2019 to Late 2029	<i>Net Seasonal Units (2)</i>	1,140	
	<i>multiplied by P.P.U. (3)</i>	3,660	
	<i>gross population increase</i>	4,172	4,172
Occupants of New Equivalent Institutional Units Late 2019 to Late 2029	<i>Units</i>	380	
	<i>multiplied by P.P.U. (3)</i>	1,100	
	<i>gross population increase</i>	418	418
Total Units (Permanent and Seasonal)	<i>Total Units</i>	9,825	
	<i>Total gross population increase</i>		24,521
Decline in Housing Unit Occupancy, Late 2019 to Late 2029	<i>Units (5)</i>	32,107	
	<i>multiplied by P.P.U. decline rate (6)</i>	-0.1281	
	<i>total decline in population</i>	-4,112	-4,112
Population Estimate to Late 2029 (Permanent and Seasonal)			125,768
<i>Net Population Increase, Late 2019 to Late 2029 (Permanent and Seasonal)</i>			<i>20,409</i>

(1) Late 2019 Population (Permanent and Seasonal) based on:
2016 Population (102,278) + Mid 2016 to Late 2019 estimated housing units to beginning of forecast period $(1,007 \times 2.205 = 2,220) + (31,100 \times -0.0398 = -1,237) + \text{Converted Units } (248 \times 2.412 = 598) + \text{Seasonal population } (399 \times 3.660 = 1,460) + \text{Institutional } (38 \times 1.100 = 42) = 105,359$

(2) Based upon forecast building permits/completions assuming a lag between construction and occupancy.

(3) Average number of persons per unit (ppu) is assumed to be:

Structural Type	Persons Per Unit ¹ (P.P.U.)	% Distribution of Estimated Units ²	Weighted Persons Per Unit Average
<i>Singles & Semi Detached</i>	2.489	68%	1.698
<i>Multiples (7)</i>	2.214	18%	0.406
<i>Apartments (8)</i>	1.290	13%	0.173
<i>one bedroom or less</i> 1.125			
<i>two bedrooms or more</i> 1.493			
Permanent Total		100%	2.278
Seasonal Total	3.660	100%	3.660

¹ Permanent persons per unit based on adjusted Statistics Canada Custom 2016 Census database.

² Forecast unit mix based upon historical trends and housing units in the development process.

(4) Conversion of units from seasonal to permanent occupancy.

(5) Late 2019 households based upon 31,100 (2016 Census) + 1,007 (Mid 2016 to Late 2019 unit estimate) = 32,107

(6) Decline occurs due to aging of the population and family life cycle changes, lower fertility rates and changing economic conditions.

(7) Includes townhomes and apartments in duplexes.

(8) Includes bachelor, 1 bedroom and 2 bedroom+ apartments.

Note: Numbers may not add to totals due to rounding.



Schedule 5 City of Kawartha Lakes Long Term Growth Forecast Late 2019 to Mid 2031

			Population
Late 2019 Population (Permanent and Seasonal)			105,359
Occupants of Permanent New Housing Units, Late 2019 to Mid 2031	Units (2)	9,340	
	multiplied by P.P.U. (3)	2,274	
	gross population increase	21,238	21,238
Occupants of Converted Units Late 2019 to Mid 2031	Conversion Units (2)	817	
	multiplied by P.P.U. (3)	2,489	
	gross population increase	2,034	2,034
Occupants of New Seasonal Units Late 2019 to Mid 2031	Net Seasonal Units (2)	1,311	
	multiplied by P.P.U. (3)	3,660	
	gross population increase	4,798	4,798
Occupants of New Equivalent Institutional Units Late 2019 to Mid 2031	Units	426	
	multiplied by P.P.U. (3)	1,100	
	gross population increase	469	469
Total Units (Permanent and Seasonal)	Total Units	11,468	
	Total gross population increase		28,539
Decline in Housing Unit Occupancy, Late 2019 to Mid 2031	Units (4)	32,107	
	multiplied by P.P.U. decline rate (5)	-0.1443	
	total decline in population	-4,632	-4,632
Population Estimate to Mid 2031 (Permanent and Seasonal)			129,266
Net Population Increase, Late 2019 to Mid 2031 (Permanent and Seasonal)			23,907

- (1) Late 2019 Population (Permanent and Seasonal) based on:
2016 Population (102,278) + Mid 2016 to Late 2019 estimated housing units to beginning of forecast period $(1,007 \times 2.274 = 2,290) + (31,100 \times -0.0398 = -1,237) + \text{Converted Units } (248 \times 2.412 = 598) + \text{Seasonal population } (399 \times 3.660 = 1,460) + \text{Institutional } (38 \times 1.100 = 42) = 105,359$
- (2) Based upon forecast building permits/completions assuming a lag between construction and occupancy.
- (3) Average number of persons per unit (ppu) is assumed to be:

Structural Type	Persons Per Unit ¹ (P.P.U.)	% Distribution of Estimated Units ²	Weighted Persons Per Unit Average
Singles & Semi Detached	2.489	68%	1.683
Multiples (6)	2.214	19%	0.414
Apartments (7)	1.290	14%	0.176
one bedroom or less	1.125		
two bedrooms or more	1.493		
Permanent Total		100%	2.274
Seasonal Total	3.660	100%	3.660

¹ Permanent persons per unit based on adjusted Statistics Canada Custom 2016 Census database.

² Forecast unit mix based upon historical trends and housing units in the development process.

- (4) Late 2019 households based upon 31,100 (2016 Census) + 1,007 (Mid 2016 to Late 2019 unit estimate) = 32,107
- (5) Decline occurs due to aging of the population and family life cycle changes, lower fertility rates and changing economic conditions.
- (6) Includes townhomes and apartments in duplexes.
- (7) Includes bachelor, 1 bedroom and 2 bedroom+ apartments.

Note: Numbers may not add to totals due to rounding.



Schedule 6
City of Kawartha Lakes
Historical Residential Building Permits
Years 2009 to 2018

Year	Residential Building Permits			
	Singles & Semi Detached	Multiples ¹	Apartments ²	Total
2009	224	12	70	306
2010	308	10	2	320
2011	251	17	2	270
2012	211	8	23	242
2013	167	34	3	204
Sub-total	1,161	81	100	1,342
Average (2009 - 2013)	232	16	20	268
% Breakdown	86.5%	6.0%	7.5%	100.0%
2014	266	75	25	366
2015	173	30	0	203
2016	274	0	60	334
2017	280	12	16	308
2018	96	4	90	190
Sub-total	1,089	121	191	1,401
Average (2014 - 2018)	218	24	38	280
% Breakdown	77.7%	8.6%	13.6%	100.0%
2009 - 2018				
Total	2,250	202	291	2,743
Average	225	20	29	274
% Breakdown	82.0%	7.4%	10.6%	100.0%

Source: Historical housing activity from City of Kawartha Lakes Building Department building permit data, 2009-2018.

¹ Includes townhouses and apartments in duplexes.

² Includes bachelor, 1 bedroom and 2 bedroom+ apartments.



Schedule 7
City of Kawartha Lakes
Person Per Unit by Age and Type of Dwelling
(2016 Census)

Age of Dwelling	Singles and Semi-Detached						15 Year Average	15 Year Forecast ¹
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR	Total		
1-5	-	-	1.899	2.603	3.769	2.412		
6-10	-	-	1.815	2.616	3.429	2.464		
11-15	-	-	1.920	2.662	3.862	2.639	2.505	2.489
16-20	-	-	1.976	2.620	3.762	2.614		
20-25	-	-	1.837	2.557	3.571	2.541		
25-35	-	-	1.896	2.580	3.519	2.553		
35+	-	1.568	1.887	2.470	3.643	2.400		
Total	-	1.556	1.888	2.528	3.630	2.463		

Age of Dwelling	Multiples ¹						15 Year Average	15 Year Forecast ¹
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR	Total		
1-5	-	-	-	-	-	1.960		
6-10	-	-	-	-	-	2.000		
11-15	-	-	-	2.333	-	2.238	2.066	2.214
16-20	-	-	-	-	-	2.133		
20-25	-	-	-	-	-	2.095		
25-35	-	-	2.111	2.474	-	2.256		
35+	-	1.308	2.038	2.576	3.077	2.181		
Total	-	1.265	1.838	2.563	3.923	2.156		

Age of Dwelling	Apartments ²						15 Year Average	15 Year Forecast ¹
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR	Total		
1-5	-	1.333	-	-	-	1.364		
6-10	-	1.000	-	-	-	1.294		
11-15	-	-	-	-	-	-	1.329	1.290
16-20	-	-	1.273	-	-	1.409		
20-25	-	1.063	1.333	-	-	1.310		
25-35	-	1.235	1.667	-	-	1.585		
35+	-	1.144	1.799	2.625	-	1.536		
Total	-	1.163	1.701	2.420	-	1.513		

Age of Dwelling	All Density Types						15 Year Average	15 Year Forecast ¹
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR	Total		
1-5	-	1.409	1.865	2.578	3.571	2.313		
6-10	-	1.450	1.734	2.598	3.200	2.362		
11-15	-	1.545	1.857	2.655	4.000	2.574		
16-20	-	1.615	1.754	2.634	3.905	2.495		
20-25	-	1.208	1.797	2.569	3.436	2.429		
25-35	-	1.269	1.838	2.583	3.500	2.444		
35+	-	1.259	1.874	2.477	3.665	2.298		
Total	-	1.291	1.850	2.532	3.625	2.359		

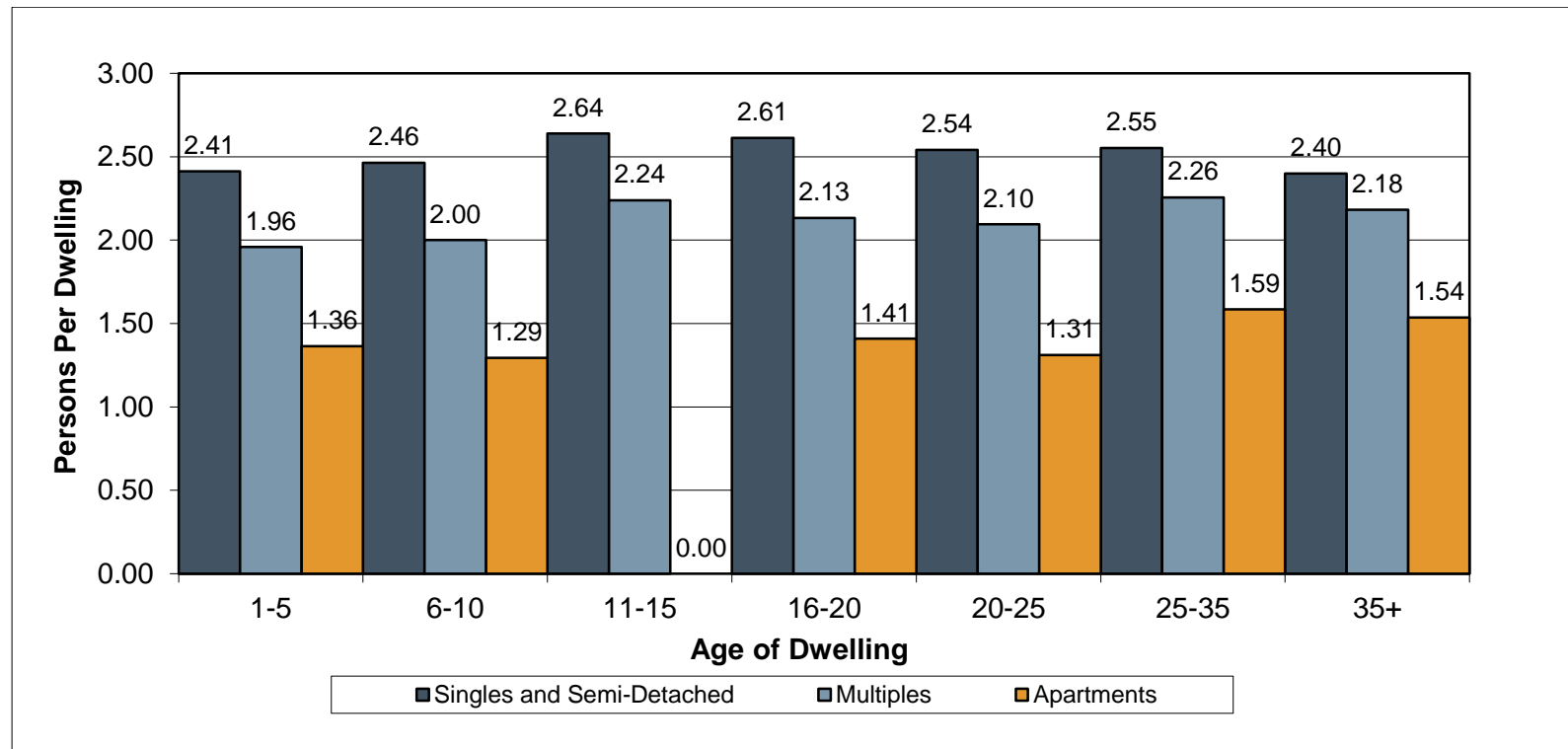
¹ PPU has been forecasted based on 2001-2016 historical trends.

Note: Does not include Statistics Canada data classified as 'Other'

P.P.U. Not calculated for samples less than or equal to 50 dwelling units, and does not include institutional population.



Schedule 8
City of Kawartha Lakes
Person Per Unit Structural Type and Age of Dwelling
(2016 Census)





Schedule 9a City of Kawartha Lakes Employment Forecast, 2019 to 2031

Period	Population	Activity Rate								Employment								Employment
		Primary	Work at Home	Industrial	Commercial/ Population Related	Institutional	Total	N.F.P.O.W. ¹	Total Including NFPOW	Primary	Work at Home	Industrial	Commercial/ Population Related	Institutional	Total	N.F.P.O.W. ¹	Total Employment (Including N.F.P.O.W.)	Total (Excluding Work at Home and N.F.P.O.W.)
Mid 2006	74,561	0.005	0.053	0.049	0.107	0.079	0.294	0.027	0.320	380	3,960	3,680	8,005	5,860	21,885	1,987	23,872	17,925
Mid 2011	73,214	0.006	0.045	0.044	0.105	0.087	0.288	0.026	0.313	440	3,315	3,248	7,673	6,375	21,050	1,900	22,950	17,735
Mid 2016	75,423	0.006	0.042	0.042	0.100	0.084	0.273	0.025	0.298	450	3,165	3,145	7,520	6,305	20,585	1,858	22,443	17,420
Late 2019	77,042	0.006	0.042	0.041	0.099	0.082	0.270	0.025	0.295	471	3,233	3,170	7,623	6,314	20,811	1,898	22,709	17,578
Late 2029	93,278	0.005	0.043	0.039	0.100	0.073	0.259	0.023	0.283	471	4,017	3,610	9,297	6,804	24,199	2,178	26,377	20,182
Mid 2031	96,150	0.005	0.043	0.038	0.100	0.072	0.257	0.023	0.281	471	4,141	3,678	9,574	6,891	24,755	2,245	27,000	20,614
Incremental Change																		
Mid 2006 - Mid 2011	-1,347	0.001	-0.008	-0.005	-0.003	0.008	-0.006	-0.001	-0.007	60	-645	-433	-333	515	-835	-87	-922	-190
Mid 2011 - Mid 2016	2,209	0.0000	-0.0033	-0.0027	-0.0051	-0.0035	-0.0146	-0.0013	-0.0159	10	-150	-103	-153	-70	-465	-42	-507	-315
Mid 2016 - Late 2019	1,619	0.0001	0.0000	-0.0006	-0.0008	-0.0016	-0.0028	0.0000	-0.0028	21	68	25	103	9	226	40	266	158
Late 2019 - Late 2029	16,236	-0.0011	0.0011	-0.0024	0.0007	-0.0090	-0.0107	-0.0013	-0.0120	0	784	440	1,674	490	3,388	280	3,668	2,604
Late 2019 - Mid 2031	19,108	-0.0012	0.0011	-0.0029	0.0006	-0.0103	-0.0127	-0.0013	-0.0140	0	908	508	1,951	577	3,944	347	4,291	3,036
Annual Average																		
Mid 2006 - Mid 2011	-269	0.00018	-0.00157	-0.00100	-0.00051	0.00170	-0.00120	-0.00014	-0.00134	12	-129	-87	-67	103	-167	-17	-184	-38
Mid 2011 - Mid 2016	442	0.0000	-0.0007	-0.0005	-0.0010	-0.0007	-0.0029	-0.0003	-0.0032	2	-30	-21	-31	-14	-93	-8	-101	-63
Mid 2016 - Late 2019	540	0.0000	0.0000	-0.0002	-0.0003	-0.0005	-0.0009	0.0000	-0.0009	7	23	8	34	3	75	13	89	53
Late 2019 - Late 2029	1,624	-0.00011	0.00011	-0.00024	0.00007	-0.00090	-0.00107	-0.00013	-0.00120	0	78	44	167	49	339	28	367	260
Late 2019 - Mid 2031	1,662	-0.0001	0.0001	-0.0003	0.0001	-0.0009	-0.0011	-0.0001	-0.0012	0	79	44	170	50	343	30	373	264

Source: Watson & Associates Economists Ltd., 2019.

¹ Statistics Canada defines no fixed place of work (N.F.P.O.W.) employees as "persons who do not go from home to the same work place location at the beginning of each shift". Such persons include building and landscape contractors, travelling salespersons, independent truck drivers, etc.



Schedule 9b
City of Kawartha Lakes
Employment and Gross Floor Area (G.F.A.) Forecast, 2019 to 2031

Period	Population	Employment					Gross Floor Area in Square Feet (Estimated) ¹			
		Primary	Industrial	Commercial/ Population Related	Institutional	Total	Industrial	Commercial/ Population Related	Institutional	Total
Mid 2006	74,561	380	3,680	8,005	5,860	17,925				
Mid 2011	73,214	440	3,248	7,673	6,375	17,735				
Mid 2016	75,423	450	3,145	7,520	6,305	17,420				
Late 2019	77,042	471	3,170	7,623	6,314	17,578				
Late 2029	93,278	471	3,610	9,297	6,804	20,182				
Mid 2031	96,150	471	3,678	9,574	6,891	20,614				
Incremental Change										
Mid 2006 - Mid 2011	-1,347	60	-433	-333	515	-190				
Mid 2011 - Mid 2016	2,209	10	-103	-153	-70	-315				
Mid 2016 - Late 2019	1,619	21	25	103	9	158	30,000	51,500	6,300	87,800
Late 2019 - Late 2029	16,236	0	440	1,674	490	2,604	528,000	837,000	343,000	1,708,000
Late 2019 - Mid 2031	19,108	0	508	1,951	577	3,036	609,600	975,500	403,900	1,989,000
Annual Average										
Mid 2006 - Mid 2011	-269	12	-87	-67	103	-38				
Mid 2011 - Mid 2016	442	2	-21	-31	-14	-63				
Mid 2016 - Late 2019	540	7	8	34	3	53	10,000	17,167	2,100	29,267
Late 2019 - Late 2029	1,624	0	44	167	49	260	52,800	83,700	34,300	170,800
Late 2019 - Mid 2031	1,662	0	44	170	50	264	53,009	84,826	35,122	172,957

Source: Watson & Associates Economists Ltd., 2019.

¹ Square Foot Per Employee Assumptions

Industrial 1,200

Commercial/ Population Related 500

Institutional 700

* Reflects Late 2019 to Mid 2031 forecast period

Note: Numbers may not add to totals due to rounding.



Schedule 9c
City of Kawartha Lakes
Estimate of the Anticipated Amount, Type and Location of Non-Residential
Development for Which Development Charges Can be Imposed

Development Location	Timing	Industrial G.F.A. S.F. ¹	Commercial G.F.A. S.F. ¹	Institutional G.F.A. S.F. ¹	Total Non- Residential G.F.A. S.F.	Employment Increase ²
Lindsay	2019 - 2029	466,800	615,000	254,100	1,335,900	1,982
	2019 - 2031	538,800	717,000	299,600	1,555,400	2,311
Bobcaygeon	2019 - 2029	-	42,000	51,800	93,800	158
	2019 - 2031	-	49,000	60,900	109,900	185
Fenelon Falls	2019 - 2029	28,800	42,000	34,300	105,100	157
	2019 - 2031	33,600	49,000	40,600	123,200	184
Omeme	2019 - 2029	-	83,500	-	83,500	167
	2019 - 2031	-	97,500	-	97,500	195
Other-Water Serviced	2019 - 2029	17,600	6,100	2,800	26,500	31
	2019 - 2031	20,300	7,100	2,800	30,200	35
Other-Sewer Serviced	2019 - 2029	-	41,900	-	41,900	84
	2019 - 2031	-	48,800	-	48,800	98
Unserviced	2019 - 2029	14,800	6,500	-	21,300	25
	2019 - 2031	16,900	7,100	-	24,000	28
City of Kawartha Lakes	2019 - 2029	528,000	837,000	343,000	1,708,000	2,604
	2019 - 2031	609,600	975,500	403,900	1,989,000	3,036

Source: Watson & Associates Economists Ltd., 2019.

¹ Square feet per employee assumptions:

Industrial	1,200
Commercial	500
Institutional	700

² Employment Increase does not include No Fixed Place of Work.

* Reflects Late 2019 to Mid 2031 forecast period

Note: Numbers may not add to totals due to rounding.



Schedule 10
City of Kawartha Lakes
Non-Residential Construction Value
Years 2007 to 2016
(000's 2018 \$)

YEAR	Industrial				Commercial				Institutional				Total			
	New	Improve	Additions	Total	New	Improve	Additions	Total	New	Improve	Additions	Total	New	Improve	Additions	Total
2007	3,805	1,091	0	4,896	2,687	2,638	757	6,081	1,497	592	5,354	7,444	7,989	4,321	6,111	18,420
2008	4,472	692	0	5,164	8,229	1,439	570	10,237	1,239	829	2,394	4,462	13,940	2,959	2,964	19,863
2009	5,386	1,197	2,260	8,842	2,522	1,220	0	3,743	11,747	741	283	12,771	19,655	3,158	2,543	25,356
2010	3,832	523	0	4,355	1,271	3,797	6,579	11,646	142	1,247	1,673	3,061	5,245	5,566	8,251	19,062
2012	2,704	2,923	750	6,377	3,737	2,951	9,763	16,451	4	1,345	1,354	2,704	6,445	7,220	11,867	25,532
2013	1,025	3,431	999	5,455	2,404	2,133	1,683	6,220	8,416	1,992	7,947	18,355	11,844	7,557	10,629	30,030
2014	1,591	3,525	1,238	6,355	8,921	3,075	4,177	16,172	970	646	630	2,246	11,482	7,247	6,044	24,773
2015	428	1,729	2,526	4,684	3,695	1,756	1,038	6,489	0	1,256	233	1,489	4,124	4,741	3,797	12,662
2016	248	2,534	2,399	5,182	5,750	1,924	9,104	16,779	403	643	0	1,046	6,402	5,101	11,503	23,006
Subtotal	26,499	18,783	10,173	55,455	48,252	22,468	34,758	105,478	24,703	11,383	20,356	56,442	99,453	52,634	65,287	217,375
Percent of Total	48%	34%	18%	100%	46%	21%	33%	100%	44%	20%	36%	100%	46%	24%	30%	100%
Average	2,650	1,878	1,695	5,546	4,825	2,247	3,862	10,548	2,745	1,138	2,262	5,644	9,945	5,263	6,529	21,737
2007 - 2011 Period Total				27,403				43,366				30,602				101,371
2007 - 2011 Average				5,481				8,673				6,120				20,274
% Breakdown				27.0%				42.8%				30.2%				100.0%
2012 - 2016 Period Total				28,052				62,112				25,839				116,004
2012 - 2016 Average				5,610				12,422				5,168				23,201
% Breakdown				24.2%				53.5%				22.3%				100.0%
2007 - 2016 Period Total				55,455				105,478				56,442				217,375
2007 - 2016 Average				5,546				10,548				5,644				21,737
% Breakdown				25.5%				48.5%				26.0%				100.0%

Source: Statistics Canada Publication, 64-001-XIB

Note: Inflated to year-end 2017 (January, 2018) dollars using Reed Construction Cost Index



Schedule 11
City of Kawartha Lakes
Employment to Population Ratio by Major Employment Sector, 2006 to 2016

NAICS		Year			Change		Comments
		2006	2011	2016	06-11	11-16	
Employment by industry							Categories which relate to local land-based resources
	<u>Primary Industry Employment</u>						
11	Agriculture, forestry, fishing and hunting	1,255	1,320	1,065	65	-255	
21	Mining and oil and gas extraction	80	95	105	15	10	
Sub-total		1,335	1,415	1,170	80	-245	
<u>Industrial and Other Employment</u>							Categories which relate primarily to industrial land supply and demand
22	Utilities	105	85	95	-20	10	
23	Construction	1,000	850	1,005	-150	155	
31-33	Manufacturing	1,885	1,380	1,240	-505	-140	
41	Wholesale trade	560	815	570	255	-245	
48-49	Transportation and warehousing	535	480	595	-55	115	
56	Administrative and support	408	255	355	-153	100	
Sub-total		4,493	3,865	3,860	-628	-5	
44-45	<u>Population Related Employment</u>						Categories which relate primarily to population growth within the municipality
	Retail trade	3,905	3,620	3,290	-285	-330	
51	Information and cultural industries	230	190	230	-40	40	
52	Finance and insurance	600	815	700	215	-115	
53	Real estate and rental and leasing	345	275	350	-70	75	
54	Professional, scientific and technical services	1,050	800	950	-250	150	
55	Management of companies and enterprises	0	0	15	0	15	
56	Administrative and support	408	255	355	-153	100	
71	Arts, entertainment and recreation	470	465	380	-5	-85	
72	Accommodation and food services	1,495	1,505	1,600	10	95	
81	Other services (except public administration)	1,235	1,190	1,125	-45	-65	
Sub-total		9,738	9,115	8,995	-623	-120	
61	<u>Institutional</u>						
	Educational services	1,555	1,905	1,600	350	-305	
62	Health care and social assistance	3,215	2,710	3,150	-505	440	
91	Public administration	1,550	2,040	1,810	490	-230	
Sub-total		6,320	6,655	6,560	335	-95	
Total Employment		21,885	21,050	20,585	-835	-465	
Population		74,561	73,214	75,423	-1,347	2,209	
<u>Employment to Population Ratio</u>							
Industrial and Other Employment		0.06	0.05	0.05	-0.01	0.00	
Population Related Employment		0.13	0.12	0.12	-0.01	-0.01	
Institutional Employment		0.08	0.09	0.09	0.01	0.00	
Primary Industry Employment		0.02	0.02	0.02	0.00	0.00	
Total		0.29	0.29	0.27	-0.01	-0.01	

Source: Statistics Canada Employment by Place of Work

Note: 2006-2016 employment figures are classified by North American Industry Classification System (NAICS) Code



Appendix B

Level of Service



Service: Fire Facilities
Unit Measure: ft² of building area

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Bld'g Value (\$/sq.ft.)	Value/ft² with land, site works, etc.
Fire Hall - Lindsay (Station 1)	13,763	13,763	13,763	13,763	13,763	13,763	13,763	13,763	13,763	13,763	\$450	\$523
Fire Hall - Bobcaygeon (Station 3)	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	\$322	\$376
Fire Hall - Dunsford Division (Station 5)	2,532	2,532	2,532	2,532	2,532	2,532	2,532	2,532	2,532	2,532	\$322	\$373
Fire Hall - Fenelon Falls (Station 22)	6,104	6,104	6,104	6,104	6,104	6,104	6,104	6,104	6,104	6,104	\$322	\$376
Fire Hall - Cameron (Station 12)	2,532	2,532	2,532	2,532	2,532	2,532	2,532	2,532	2,532	2,532	\$322	\$373
Fire Hall - Omemee (Station 2)	3,948	3,948	3,948	3,948	3,948	3,948	3,948	3,948	3,948	3,948	\$322	\$376
Fire Hall - Emily (Station 6)	1,898	1,898	1,898	1,898	1,898	1,898	1,898	1,898	1,898	1,898	\$322	\$373
Fire Hall - Woodville (Station 14)	3,972	3,972	3,972	3,972	3,972	3,972	3,972	3,972	3,972	3,972	\$322	\$376
Fire Hall - Kirkfield (Station 15)	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	\$322	\$373
Fire Hall - Cobocconk (Station 19)	5,478	5,478	5,478	5,478	5,478	5,478	5,478	5,478	5,478	4,478	\$322	\$374
Fire Hall - Carden (Station 16)	2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667	\$322	\$373
Fire Hall - Norland (Station 17)	2,814	2,814	2,814	2,814	2,814	2,814	2,814	2,814	2,814	2,814	\$322	\$373
Fire Hall - Pontypool (Station 8)	2,716	2,716	2,716	2,716	4,240	4,240	4,240	4,240	4,240	4,240	\$322	\$373
Fire Hall - Bethany (Station 7)	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	4,250	\$322	\$373
Fire Hall - Janetville (Station 9)	5,165	5,165	5,165	5,165	5,165	5,165	5,165	5,165	5,165	5,165	\$322	\$374
Fire Hall - Little Britain (Station 10)	2,648	2,648	2,648	2,648	2,648	2,648	2,648	2,648	2,648	2,648	\$322	\$373
Fire Hall - Oakwood (Station 11)	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	\$322	\$374
Fire Hall - Ops (Station 4)	2,812	2,812	2,812	2,812	2,812	2,812	2,812	2,812	2,812	2,812	\$322	\$373
Fire Hall - Kinmount (Station 18)	2,270	2,270	2,270	2,270	2,270	2,270	2,270	2,270	2,270	2,270	\$322	\$374
Fire Hall - Burnt River (Station 20)	5,315	5,315	5,315	5,315	5,315	5,315	5,315	5,315	5,315	5,315	\$322	\$374
Fire Hall - Baddow (Station 21)	1,440	1,440	1,440	1,440	1,440	1,440	1,440				\$322	\$374
Training & Storage Facility - Former Fenelon Township Office	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	\$285	\$331
EVT Building - Former Victoria County Roads Depot				2,810	2,810	2,810	2,810	2,810	2,810	2,810	\$240	\$279
Total	81,586	81,586	81,586	84,396	85,920	85,920	85,920	84,480	84,480	85,304		

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.7747	0.7797	0.7773	0.8016	0.8135	0.8110	0.8085	0.7911	0.7872	0.7842

10 Year Average	2010-2019
Quantity Standard	0.7929
Quality Standard	\$395
Service Standard	\$313

D.C. Amount (before deductions)	12 Year
Forecast Population & Employment	23,536
\$ per Capita & Employee	\$313
Eligible Amount	\$7,370,534



Service: Fire Vehicles
Unit Measure: No. of vehicles

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/Vehicle)
Aerial Trucks	2	2	2	2	2	2	2	2	2	1	\$1,356,400
Tanker Trucks - Low Capacity	15	13	11	9	8	6	6	5	5	5	\$411,000
Tanker Trucks - High Capacity	7	9	11	12	14	16	16	17	17	17	\$606,000
Pumper Trucks - Low Capacity	9	9	9	8	7	6	5	5	5	5	\$375,000
Pumper Trucks - High Capacity	11	11	11	12	13	14	15	15	15	15	\$580,000
Rescue Trucks	10	10	8	6	4	3	3	3	3	4	\$452,100
Trailers	12	13	13	13	13	13	13	13	13	12	\$8,900
ATVs	3	3	3	3	3	3	3	3	3	3	\$11,300
Cars	4	3	3	3	2	2	2				\$28,300
Vans/SUVs	3	4	4	4	4	4	4	4	4	4	\$28,300
Pick Up Trucks	5	5	5	5	6	6	6	7	7	8	\$39,600
Air Light Support Rescue Vehicles	1	1	1	1	1	1	1	1	1	1	\$452,100
Boats	6	6	6	6	6	6	6	6	6	6	\$79,100
EVT Maintenance Trucks	1	1	1	1	1	1	1	1	1	1	\$225,000
Rehabilitation Trucks	1	1	1	1	1	1	1	1	1	1	\$225,000
Total	90	91	89	86	85	84	84	83	83	83	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.0009	0.0009	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008

10 Year Average	2010-2019
Quantity Standard	0.0008
Quality Standard	\$339,450
Service Standard	\$272

D.C. Amount (before deductions)	12 Year
Forecast Population & Employment	23,536
\$ per Capita & Employee	\$272
Eligible Amount	\$6,391,436



Service: Fire Small Equipment and Gear
Unit Measure: No. of equipment and gear

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/item)
Firefighter Equipment	373	373	373	373	373	373	373	373	373	373	\$6,800
Total	373	373	373	373	373	373	373	373	373	373	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.0035	0.0036	0.0036	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0034

10 Year Average	2010-2019
Quantity Standard	0.0035
Quality Standard	\$6,831
Service Standard	\$24

D.C. Amount (before deductions)	12 Year
Forecast Population & Employment	23,536
\$ per Capita & Employee	\$24
Eligible Amount	\$562,746



Service: Police Facilities
Unit Measure: ft² of building area

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Bld'g Value (\$/sq.ft.)	Value/ft² with land, site works, etc.
Kawartha Lakes Police Service Headquarters	19,580	19,580	19,580	19,580	19,580	19,580	19,580	19,580	19,580	19,580	\$348	\$406
Total	19,580	19,580	19,580	19,580	19,580	19,580	19,580	19,580	19,580	19,580		

Population	26,034	26,160	26,154	26,148	26,143	26,137	26,131	26,125	26,119	26,114
Employment	5,286	5,339	5,295	5,251	5,208	5,166	5,123	5,111	5,098	5,033
Population & Employment	31,320	31,499	31,449	31,400	31,351	31,302	31,254	31,236	31,217	31,147
Per Capita & Employee Standard	0.6252	0.6216	0.6226	0.6236	0.6245	0.6255	0.6265	0.6268	0.6272	0.6286

10 Year Average	2010-2019
Quantity Standard	0.6252
Quality Standard	\$406
Service Standard	\$254

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	13,872
\$ per Capita & Employee	\$254
Eligible Amount	\$3,521,311



Service: Police Vehicles
Unit Measure: No. of vehicles and equipment

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/Vehicle)
Marked Uniform Vehicles	5	5	5	5	5	5	5	5	6	6	\$50,400
Community Service Vehicles	1	1	1	1	1	1	1	1	1	1	\$43,000
Canine Vehicles	1	1	1	1	1	1	1	1	1		\$52,700
Court Security Vehicles	1	1	1	1	1	1	1	1	1	1	\$36,600
Central-East Corrections Centre Vehicle	2	2	2	2	2	2	2	2	2	2	\$50,400
Unmarked Vehicles	6	6	6	6	6	6	6	6	6	6	\$34,100
Forensic Identification Vehicles				1	1	1	1	1	1	1	\$50,400
Total	16	16	16	17	17	17	17	17	18	17	

Population	26,034	26,160	26,154	26,148	26,143	26,137	26,131	26,125	26,119	26,114
Employment	5,286	5,339	5,295	5,251	5,208	5,166	5,123	5,111	5,098	5,033
Population & Employment	31,320	31,499	31,449	31,400	31,351	31,302	31,254	31,236	31,217	31,147
Per Capita & Employee Standard	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0006	0.0005

10 Year Average	2010-2019
Quantity Standard	0.0005
Quality Standard	\$46,620
Service Standard	\$23

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	13,872
\$ per Capita & Employee	\$23
Eligible Amount	\$323,360



Service: Police Small Equipment and Gear
Unit Measure: No. of equipment and gear

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/item)
Police Officer Equipment	43	43	43	43	43	43	43	43	43	43	\$6,600
Special Constable Equipment	8	8	8	8	8	8	8	8	8	8	\$3,335
Total	51	51	51	51	51	51	51	51	51	51	

Population	26,034	26,160	26,154	26,148	26,143	26,137	26,131	26,125	26,119	26,114
Employment	5,286	5,339	5,295	5,251	5,208	5,166	5,123	5,111	5,098	5,033
Population & Employment	31,320	31,499	31,449	31,400	31,351	31,302	31,254	31,236	31,217	31,147
Per Capita & Employee Standard	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016

10 Year Average	2010-2019
Quantity Standard	0.0016
Quality Standard	\$6,194
Service Standard	\$10

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	13,872
\$ per Capita & Employee	\$10
Eligible Amount	\$137,473



Service: Roads
Unit Measure: Various

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/unit)
Roads & Sidewalks (Km)											
Road Base	2,693	2,695	2,696	2,697	2,698	2,698	2,698	2,698	2,698	2,698	\$397,800
Gravel Roads	933	902	900	898	895	895	895	895	895	895	\$15,000
Highfloat Roads (LCB)	933	960	956	952	949	949	949	949	949	949	\$103,800
Asphalt Roads (HCB / ICB)	827	833	840	847	854	854	854	854	854	854	\$522,200
Roadside Protection	74	74	74	74	74	74	74	74	74	74	\$45,236
Sidewalks	169	169	169	170	173	173	173	173	173	173	\$169,500
Bridges & Culverts (Item)											
Bridges	153	154	154	154	155	155	155	155	155	155	\$1,189,900
Culverts (>1.2m Diameter)	165	166	167	168	169	169	169	169	169	169	\$158,000
Traffic Signals (Intersection/Crossing)											
Traffic Lights - Full Set	26	26	26	26	27	28	30	30	31	31	\$197,800
Traffic Lights - Half Set / Pedestrian	2	2	2	2	2	2	2	2	2	2	\$98,900
Flashers - Standard	24	24	24	25	26	27	27	27	27	27	\$11,300
Flashers - Pedestrian	1	1	1	1	1	1	1	1	1	1	\$11,300
Streetlights (Item)											
City Standards	1,268	1,272	1,276	1,280	1,284	1,289	1,289	1,289	1,289	1,289	\$4,500
Non-City Standards	3,491	3,503	3,515	3,527	3,539	3,547	3,547	3,547	3,547	3,547	\$678
Storm & Municipal Drains (Km)											
Storm Drains	131	131	131	131	131	131	131	131	131	131	\$508,600
Municipal Drains - Open Ditch	96	96	96	96	96	96	96	96	96	96	\$28,300
Municipal Drains - Covered Ditch	32	32	32	32	32	32	32	32	32	32	\$45,200
Total	11,018	11,040	11,059	11,080	11,105	11,120	11,122	11,122	11,123	11,123	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.1046	0.1055	0.1054	0.1052	0.1051	0.1050	0.1047	0.1041	0.1036	0.1022

10 Year Average	2010-2019
Quantity Standard	0.1045
Quality Standard	\$176,060
Service Standard	\$18,398

D.C. Amount (before deductions)	12 Year
Forecast Population & Employment	23,536
\$ per Capita & Employee	\$18,398
Eligible Amount	\$433,022,389



Service: Roads Facilities
Unit Measure: ft² of building area

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Bld'g Value (\$/sq.ft.)	Value/ft² with land, site works, etc.
Bobcaygeon Depot	5,760	5,760	5,760	5,760	5,760	5,760	5,760	5,760	5,760	5,760	\$240	\$269
Burnt River Depot	3,840	3,840	3,840	3,840	3,840	3,840	3,840	3,840	3,840	3,840	\$240	\$266
Carden Depot	4,800	4,800	4,800	4,800	5,520	5,520	5,520	5,520	5,520	5,520	\$240	\$266
Coboconk Depot	12,100	12,100	12,100	12,100	12,100	12,100	12,100	12,100	12,100	12,100	\$240	\$266
Dalton Depot	1,024	1,024	1,024	1,024							\$240	\$266
Downeyville Depot	1,681	1,681	1,681	1,681	1,681	1,681	1,681	1,681	1,681	1,681	\$240	\$266
Eldon Depot	8,858	8,858	8,858	8,858	8,858	8,858	8,858	8,858	8,858	8,858	\$240	\$266
Emily Depot	5,217	5,217	5,217	5,217	5,217	5,217	5,217	5,217	5,217	5,217	\$240	\$266
Fenelon Depot	10,514	10,514	10,514	10,514	10,514	10,514	10,514	10,514	10,514	10,514	\$240	\$266
Fenelon Falls Depot	2,770	2,770	2,770								\$240	\$269
Fleet Depot	8,829	8,829	8,829	8,829	8,829	8,829	8,829	8,829	8,829	7,739	\$240	\$266
Hartley Depot	2,884	2,884	2,884	2,884							\$240	\$266
Laxton-Digby-Longford Depot	2,500	2,500	2,500	2,500							\$240	\$266
Lindsay Operations Depot	16,492	16,492	16,492	16,492	16,492	16,492	16,492	16,492	16,492	16,492	\$240	\$269
Little Britain Depot	1,681	1,681	1,681	1,681							\$240	\$266
Manvers Depot	5,177	5,177	5,177	5,177	5,177	5,177	5,177	5,177	5,177	5,177	\$240	\$266
Oakwood Depot	8,210	8,210	8,210	8,210	8,210	8,210	8,210	8,210	8,210	8,210	\$240	\$266
Ops Depot	4,512	4,512	4,512	4,512	4,512	4,512	4,512	4,512	4,512	4,512	\$240	\$266
Roads Operations/Engineering Administrative Office	8,235	8,235	8,235	8,235	8,235	8,235	8,235	8,235	8,235	8,235	\$285	\$318
Sturgeon Point Depot	4,536	4,536	4,536	4,536	4,536	4,536	4,536	4,536	4,536	4,536	\$240	\$266
Victoria County Emily Depot	2,810	2,810	2,810								\$240	\$266
Total	122,430	122,430	122,430	116,850	109,481	109,481	109,481	109,481	109,481	108,391		

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	1.1626	1.1700	1.1664	1.1098	1.0366	1.0334	1.0302	1.0252	1.0202	0.9964

10 Year Average	2010-2019
Quantity Standard	1.0751
Quality Standard	\$270
Service Standard	\$291

D.C. Amount (before deductions)	12 Year
Forecast Population & Employment	23,536
\$ per Capita & Employee	\$291
Eligible Amount	\$6,840,974



Service: Storage Structures
Unit Measure: Building area

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Bld'g Value (\$/unit)	Value/unit with land, site works, etc.
Equipment Storage Structures (GFA ft²)												
Burnt River Equipment Shed (Quonset Hut)	2,418	2,418	2,418	2,418	2,418	2,418	2,418	2,418	2,418	2,418	\$115	\$128
Carden Equipment Shed	2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667	\$115	\$128
Eldon Equipment Shed (Quonset Hut)	4,207	4,207	4,207	4,207	4,207	4,207	4,207	4,207	4,207	4,207	\$115	\$128
Emily Equipment Shed (Pole Barn)	4,291	4,291	4,291	4,291	4,291	4,291	4,291	4,291	4,291	4,291	\$115	\$128
Fenelon Falls Equipment Shed	2,580	2,580	2,580	2,580	2,580	2,580	2,580	2,580	2,580	2,580	\$115	\$131
Fleet Equipment Shed (Pole Barn)	4,175	4,175	4,175	4,175	4,175	4,175	4,175	4,175	4,175	4,175	\$115	\$128
Lindsay Equipment & Aggregate Shed	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	\$115	\$128
Manvers Equipment Shed (Pole Barn)	2,866	2,866	2,866	2,866	2,866	2,866	2,866	2,866	2,866	2,866	\$115	\$128
Oakwood Equipment Shed	1,581	1,581	1,581	1,581	1,581	1,581	1,581	1,581	1,581	1,581	\$115	\$128
Traffic Operations Shed	1,531	1,531	1,531	1,531	1,531	1,531	1,531	1,531	1,531	1,531	\$115	\$128
Salt Storage Structures (GFA ft²)												
Burnt River Salt Shed	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	\$78	\$88
Carden Salt Shed	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	\$78	\$88
Coboconk Salt Shed	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	\$78	\$88
Eldon Salt Shed	1,058	1,058	1,058	1,058	1,058	1,058	1,058	1,058	1,058	1,058	\$78	\$88
Emily Salt Shed	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	\$78	\$88
Fenelon Salt Shed	1,024	1,024	1,024	1,024	1,024	1,024	1,024	1,024	1,024	1,024	\$78	\$88
Hartley Salt Shed	1,008	1,008	1,008	1,008							\$78	\$88
Lindsay Salt Shed	625	625	625	625	625	625	625	625	625	625	\$78	\$90
Manvers Salt Shed	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	\$78	\$88
Oakwood Salt Shed	1,024	1,024	1,024	1,024	1,024	1,024	1,024	1,024	1,024	1,024	\$78	\$88
Ops Salt Shed				1,080	1,080	1,080	1,080	1,080	1,080	1,080	\$78	\$88
Sturgeon Point Salt Shed	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008	\$78	\$88



Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Bld'g Value (\$/unit)	Value/unit with land, site works, etc.
Sand Storage Structures (Capacity y³)												
Burnt River Sand Dome	4,040	4,040	4,040	4,040	4,040	4,040					\$133	\$151
Carden Sand Dome	2,380	2,380	2,380	2,380	2,380	2,380	2,380	2,380	2,380	2,380	\$130	\$147
Coboconk Sand Dome	5,180	5,180	5,180	5,180	5,180	5,180	5,180	5,180	5,180	5,180	\$127	\$144
Downeyville Sand Dome	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	\$148	\$167
Eldon Sand Dome	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	\$133	\$151
Emily Sand Dome	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	\$148	\$167
Fenelon Sand Dome	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	\$148	\$167
Hartley Sand Dome	2,590	2,590	2,590	2,590							\$148	\$167
Lindsay Sand Fabric Structure	550	550	550	550	550	550	550	550	550	550	\$106	\$121
Little Britain Sand Dome	2,590	2,590									\$148	\$167
Manvers Sand Dome	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	\$148	\$167
Oakwood Sand Dome	2,590	2,590	5,180	5,180	5,180	5,180	5,180	5,180	5,180	5,180	\$135	\$153
Ops Sand Dome	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	\$133	\$151
Sturgeon Point Sand Dome	2,590	2,590	5,180	5,180	5,180	5,180	5,180	5,180	5,180	5,180	\$135	\$153
Verulam Sand Dome	3,340	3,340									\$126	\$143
Verulam Sand Fabric Structure			729	729	729	729	729	729	729	729	\$106	\$121
Victoria County Emily Sand Dome	2,590	2,590									\$148	\$167
Total	85,727	85,727	83,116	84,196	80,598	80,598	76,558	76,558	76,558	76,558		

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.8141	0.8193	0.7919	0.7997	0.7631	0.7608	0.7204	0.7169	0.7134	0.7038

10 Year Average	2010-2019
Quantity Standard	0.7603
Quality Standard	\$136
Service Standard	\$104

D.C. Amount (before deductions)	12 Year
Forecast Population & Employment	23,536
\$ per Capita & Employee	\$104
Eligible Amount	\$2,441,625



Service: Roads and Related Vehicles
Unit Measure: No. of vehicles and equipment

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/Vehicle)
Backhoes	10	11	11	12	12	12	12	12	12	12	\$165,000
Chippers	6	6	6	6	6	6	6	6	6	6	\$57,600
Trailers	13	13	13	13	13	13	13	13	13	13	\$17,000
Graders	12	12	12	12	12	12	12	12	12	12	\$325,000
Standard Tractors	4	4	3	3	2	2	2	2	2	2	\$60,000
Large Tractors	3	3	2	2	2	2	2	2	2	2	\$141,300
Trackless Tractors	6	6	7	7	7	7	7	7	8	9	\$200,000
Trucks - 1-Ton	10	11	12	13	14	14	14	14	14	14	\$84,800
Trucks - Pickup	36	36	37	37	37	37	37	37	37	37	\$43,900
Trucks - 2-Ton Aerial	1	1	1	1	1	1	1	1	1	2	\$158,200
Trucks - Single Axle	11	10	9	8	8	8	8	8	8	11	\$250,000
Trucks - Tandem	48	48	48	49	49	54	54	54	54	54	\$290,000
Trucks - Tri Axle	3	3	3	3	3						\$282,600
Steamers	10	9	9	9	9	9	9	9	9	9	\$20,300
Truck-Mounted Stripers	1	1	1								\$282,600
Manual Stripers	1	1	1	1	1	1	1	1	1	1	\$11,300
Loaders	10	10	11	12	12	12	12	13	13	13	\$175,200
Cars	6	6	4	3	3	3	3	3	3	3	\$27,500
Leased Cars	1	1	1	1	1	1	1	1	1	1	\$22,600
SUVs	1	1	1	1	1	1	1	1	1	1	\$35,000
Vans	4	5	5	5	5	5	5	5	5	5	\$35,000
Power Washers	2	2	2	2	2	3	4	4	4	4	\$20,300
Rollers	1	1	1	1	1	1	1	2	2	2	\$33,900
Street Sweepers	3	3	3	3	3	3	3	3	3	3	\$276,900



Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/Vehicle)
Vacuum Trucks (with Trailer)	1	1	1	1	1	1	1	1	1	1	\$720,000
Weed Sprayers	1	1	1								\$5,700
Generators	9	9	9	9	9	9	9	9	9	9	\$13,600
Water Tanks	10	10	10	10	10	10	10	10	10	10	\$50,900
Total	224	225	224	224	224	227	228	230	231	236	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.0021	0.0022	0.0021	0.0021	0.0021	0.0021	0.0021	0.0022	0.0022	0.0022

10 Year Average	2010-2019
Quantity Standard	0.0021
Quality Standard	\$150,895
Service Standard	\$317

D.C. Amount (before deductions)	12 Year
Forecast Population & Employment	23,536
\$ per Capita & Employee	\$317
Eligible Amount	\$7,458,088



Service:
Unit Measure:

Parking Spaces
Sq.m. of Parking

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/m ²)
Lindsay Parking Lot - William St. N. (CIBC Lease)	832	832	832	832	832	832	832	832	832	832	\$198
Lindsay Parking Lot - Victoria Ave. N.	416	416	416	416	416	416	416	416	416	416	\$144
Lindsay Parking Lot - Cambridge St. N.	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	\$199
Lindsay Parking Lot - Peel St. / Cambridge St. N.	1,873	1,873	1,873	1,873	1,873	1,873	1,873	1,873	1,873	1,873	\$225
Lindsay Parking Lot - Lindsay St. S.	950	950	950	950	950	950	950	950	950	950	\$198
Lindsay Parking Lot - Kent St. E.	690	690	690	690	690	690	690	690	690	690	\$198
Lindsay Parking Lot - Ridout St.	749	749	749	749	749	749	749	749	749	749	\$198
Lindsay Parking Lot - Russell St. E.	597	597	597	597	597	597	597	597	597	597	\$233
Lindsay Parking Lot - Russell St. W. / York St. S.	2,383	2,383	2,383	2,383	2,383	2,383	2,383	2,383	2,383	2,383	\$225
Lindsay Parking Lot - York St. S.	393	393	393	393	393	393	393	393	393	393	\$144
Fenelon Falls Parking Lot - Colborne St.	2,744	2,744	2,744	2,744	2,744	2,744	2,744	2,744	2,744	2,744	\$305
Fenelon Falls Parking Lot - May St.	1,272	1,272	1,272	1,272	1,272	1,272	1,272	1,272	1,272	1,272	\$359
Fenelon Falls Parking Lot - Francis St. E.	4,966	4,966	4,966	4,966	4,966	4,966	4,966	4,966	4,966	4,966	\$305
Bobcaygeon Parking Lot - Bolton St.	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	\$467
Bobcaygeon Parking Lot - Sherwood St.	458	458	458	458	458	458	458	458	458	458	\$467
Total	24,511	24,511	24,511	24,511	24,511	24,511	24,511	24,511	24,511	24,511	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.2328	0.2342	0.2335	0.2328	0.2321	0.2314	0.2306	0.2295	0.2284	0.2253

10 Year Average	2010-2019
Quantity Standard	0.2311
Quality Standard	\$260
Service Standard	\$60

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	20,042
\$ per Capita & Employee	\$60
Eligible Amount	\$1,206,328



Service: Airport Facilities
Unit Measure: ft² of building area

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Bld'g Value (\$/sq.ft.)	Value/ft² with land, site works, etc.
Airport Terminal	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	\$371	\$413
South Aircraft Hanger	4,035	4,035	4,035	4,035	4,035	4,035	4,035	4,035	4,035	4,035	\$115	\$131
North Aircraft Hanger 1	10,330	10,330	10,330	10,330	10,330	10,330	10,330	10,330	10,330	10,330	\$115	\$131
North Aircraft Hanger 2						11,092	11,092	11,092	11,092	11,092	\$115	\$131
Total	21,365	21,365	21,365	21,365	21,365	32,457	32,457	32,457	32,457	32,457		

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.2029	0.2042	0.2035	0.2029	0.2023	0.3064	0.3054	0.3039	0.3024	0.2984

10 Year Average	2010-2019
Quantity Standard	0.2532
Quality Standard	\$182
Service Standard	\$46

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	20,042
\$ per Capita & Employee	\$46
Eligible Amount	\$922,333



Service: Airport Space and Equipment
Unit Measure: Various

Description	Units	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/unit)
Acrylic Pylon Insert (Sign)	Each			2	2	2	2	2	2	2	2	\$279
Aircraft Fuel Station	Each		1	1	1	1	1	1	1	1	1	\$231,658
Airfield Lighting Cable	m	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	\$3
Airport Sign	Each			3	3	3	3	3	3	3	3	\$328
Bench	Each	5	5	5	5	5	5	5	5	5	5	\$983
Commercial Pylon (Road Sign)	Each			1	1	1	1	1	1	1	1	\$16,391
Flagpole	Each	2	2	2	2	2	2	2	2	2	2	\$3,278
General Parking Lot	m²	2,195	2,195	2,195	2,195	2,195	2,195	2,195	2,195	2,195	2,195	\$87
Guard Post	Each			2	2	2	2	2	2	2	2	\$2,732
Interior Fence	m			173	173	173	173	173	173	173	173	\$93
Parking Lot	m²	9,311	9,311	9,311	9,311	9,311	9,311	9,311	9,311	9,311	9,311	\$87
Perimeter Fence	m	4,078	4,078	4,078	4,078	4,078	4,078	4,078	4,078	4,078	4,078	\$12
Picnic Table	Each	9	9	9	9	9	9	9	9	9	9	\$656
Propane Tank	Each	1	1	1	1	1	1	1	1	1	1	\$2,950
Property Culvert	Each	97	97	97	97	97	97	97	97	97	97	\$1,924
Property Light	Each	2	2	2	2	2	2	2	2	2	2	\$3,825
Property Reference Post	Each	1	1	1	1	1	1	1	1	1	1	\$10,927
Runway 03-21	m²	18,515	18,515	18,515	18,515	18,515	18,515	18,515	18,515	18,515	18,515	\$20
Runway 13-31	m²	24,610	24,610	24,610	24,610	24,610	24,610	24,610	24,610	24,610	24,610	\$87
Runway Edge Light	Each	48	48	48	48	48	48	48	48	48	48	\$637
Runway/Taxiway Counterpoise Wire	m	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	\$2
Sidewalk	m	152	152	152	152	152	152	152	152	152	152	\$164
South Hanger Entrance	m²	301	301	301	301	301	301	301	301	301	301	\$87
South Hanger Parking Lot	m²	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	\$38
Taxiway Alpha	m²	2,040	2,040	2,040	2,040	2,040	2,040	2,040	2,040	2,040	2,040	\$87
Taxiway Apron Flood Light	Each	4	4	4	4	4	4	4	4	4	4	\$8,195
Taxiway Bravo - Paved	m²			4,367	4,367	4,367	4,367	4,367	4,367	4,367	4,367	\$87
Taxiway Bravo - Unpaved	m²	1,892	1,892	1,892	1,892	1,892	1,892	1,892	1,892	1,892	1,892	\$20
Taxiway Charlie	m²	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	\$20
Taxiway Edge Light	Each	14	14	14	14	14	14	14	14	14	14	\$637
T-Hanger Taxiways	m²					9,321	9,321	9,321	9,321	9,321	9,321	\$87
Various Signage	Each			1	1	1	1	1	1	1	1	\$16,391
Wind Direction Indicator	Each	2	2	2	2	2	2	2	2	2	2	\$546
Airport Land	Acres	171	171	171	171	171	171	171	171	171	171	\$47,000
Pickup Truck	Each	1	1	1	1	1	1	1	1	1	1	\$43,900
Total		73,668	73,669	78,218	78,218	87,539	87,539	87,539	87,539	87,539	87,539	



Description	Units	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Population		87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment		17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment		87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Per Capita & Employee Standard		0.8416	0.8477	0.8961	0.8921	0.9940	0.9896	0.9852	0.9800	0.9749	0.9598

10 Year Average	2010-2019
Quantity Standard	0.9361
Quality Standard	\$161
Service Standard	\$151

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	20,042
\$ per Capita & Employee	\$151
Eligible Amount	\$3,026,542



Service:
Unit Measure:

Parkland Amenities
Various

Description	Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/Unit)
Park Buildings												
Carden Recreation Centre Storage Shed	ft²	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	\$115
Carden Recreation Centre Public Washroom	ft²	215	215	215	215	215	215	215	215	215	215	\$300
Carden Recreation Centre Concession Booth	ft²	160	160	160	160	160	160	160	160	160	160	\$285
Carden Recreation Centre Fairgrounds Washroom Building	ft²	750	750	750	750	750	750	750	750	750	750	\$300
Wilson Fields Maintenance Building 1	ft²	877	877	877	877	877	877	877	877	877	877	\$115
Wilson Fields Maintenance Building 2	ft²	120	120	120	120	120	120	120	120	120	120	\$115
Wilson Fields Washroom Building	ft²									1,296	1,296	\$197
Bobcaygeon Beach Park Changehouse and Booth	ft²	3,095	3,095	3,095	3,095	3,095	3,095	3,095	3,095	3,095	3,095	\$300
Bobcaygeon Beach Park Gate House	ft²	80	80	80	80	80	80	80	80	80	80	\$285
Tommy Anderson Park Washroom/Storage Building	ft²	560	560	560	560	560	560	560	560	560	560	\$300
Burnt River Park Concession Booth	ft²	480	480	480	480	480	480	480	480	480	480	\$285
Burnt River Park Storage Building	ft²	960	960	960	960	960	960	960	960	960	960	\$115
Cameron Ballpark Booth/Washroom Building	ft²	256	256	256	256	256	256	256	256	256	256	\$300
Cameron Ballpark Storage Shed	ft²	85	85	85	85	85	85	85	85	85	85	\$115
Coboconk Club House	ft²	646	646	646	646	646	646	646	646	646	646	\$285
Centennial Park Booth/Pavilion/Washroom Building	ft²	200	200	200	200	200	200	200	200	200	200	\$300
Centennial Park Storage Shed	ft²	500	500	500	500	500	500	500	500	500	500	\$115
Centennial Park Washroom 1	ft²	600	600	600	600	600	600	600	600	600	600	\$300
Centennial Park Maintenance Building	ft²	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	\$115
Centennial Park Washroom 2	ft²	750	750	750	750	750	750	750	750	750	750	\$300
Centennial Park Well House	ft²	300	300	300	300	300	300	300	300	300	300	\$115
Centennial Park Ticket Office	ft²	80	80	80	80	80	80	80	80	80	80	\$285
Garnet Graham Park Concession Booth and Washroom	ft²	375	375	375	375	375	375	375	375	375	375	\$300
Russ Baptiste Park Concession Stand	ft²	829	829	829	829	829	829	829	829	829	829	\$285
Russ Baptiste Park Storage Shed (Quonset Hut)	ft²	775	775	775	775	775	775	775	775	775	775	\$115
Janetville Park Refreshment Booth	ft²	240	240	240	240	240	240	240	240	240	240	\$285
Janetville Park Storage Shed	ft²	160	160	160	160	160	160	160	160	160	160	\$115
Austin Sawmill Park Storage Building	ft²	400	400	400	400	400	400	400	400	400	400	\$115
Austin Sawmill Park Train Station	ft²	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	\$285
Austin Sawmill Park Washroom	ft²	256	256	256	256	256	256	256	256	256	256	\$300
Memorial Park Washroom Building	ft²	350	350	350	350	350	350	350	350	350	350	\$300
Old Mill Park Washroom	ft²	450	450	450	450	450	450	450	450	450	450	\$300
Rivera Park Washroom/Shower Building	ft²	837	837	837	837	837	837	837	837	837	837	\$300
Omeme Beach Park Washrooms	ft²	288	288	288	288	288	288	288	288	288	288	\$300
Nimigon Park Storage Building	ft²	384	384	384	384	384	384	384	384	384	384	\$115
Nimigon Park Refreshment Building	ft²	2,653	2,653	2,653	2,653	2,653	2,653	2,653	2,653	2,653	2,653	\$285
Valentia Park Washroom/Storage Building	ft²	300	300	300	300	300	300	300	300			\$300
Woodville Park Concession Booth and Storage Building	ft²	520	520	520	520	520	520	520	520	520	520	\$285
Elgin Park Public Washroom	ft²	100	100	100	100	100	100	100	100	100	100	\$300
George St. Park Storage Shed	ft²	237	237	237	237	237	237	237	237	237	237	\$115
Nayoro Park Public Washroom	ft²	108	108	108	108	108	108	108	108	108	108	\$300
Victoria Road Ballpark Concession Booth	ft²	517	517	517	517	517	517	517	517	517	517	\$285
Emily/Omeme Community Park Storage Shed	ft²	43	43	43	43	43	43	43	43	43	43	\$115



Description	Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/Unit)
Oakwood Baseball Park Storage Shed	ft²	1,813	1,813	1,813	1,813	1,813	1,813	1,813	1,813	1,813	1,813	\$115
Oakwood Baseball Park Washrooms/Storage Building	ft²	300	300	300	300	300	300	300	300	300	300	\$300
Little Britain Community Park Washroom/Storage Building	ft²	693	693	693	693	693	693	693	693	693	693	\$300
Little Britain Community Park Storage Building	ft²	118	118	118	118	118	118	118	118	118	118	\$115
Dragon Flies Building	ft²	1,149	1,149	1,149	1,149	1,149	1,149	1,149	1,149	1,149	1,149	\$285
Amenities												
Trails - Natural	m	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	\$7
Trails - Granular	m	82,567	82,567	82,567	82,567	82,567	82,567	82,567	82,567	82,567	82,997	\$50
Trails - Paved	m	4,183	4,183	4,183	4,183	4,183	4,183	4,183	4,183	4,183	4,183	\$100
Forests	ha	3,793	3,793	3,793	3,793	3,793	3,793	3,793	3,793	3,793	3,793	\$70,500
Artwork	Each	1	1	1	1	1	1	1	1	1	1	\$38,245
Barriers/Walls	m	480	480	480	480	480	480	480	480	480	480	\$49,173
Baseball Backstops/Fences	m	7,007	7,007	7,007	7,007	7,007	7,007	7,007	7,007	7,007	7,007	\$133
Baseball Dugouts	Each	14	14	14	14	14	14	14	14	14	14	\$21,855
Basketball Nets	Each	30	30	30	30	30	30	30	30	30	30	\$1,421
Benches	Each	617	617	617	617	617	617	617	617	617	617	\$639
Bike Stands	Each	7	7	7	7	7	7	7	7	7	7	\$546
Bins/Containers	Each	265	265	265	265	265	265	265	265	265	265	\$1,530
Bleachers	Each	84	84	84	84	84	84	84	84	84	84	\$16,391
Boardwalks	m²	285	285	285	285	285	285	285	285	285	285	\$66
Boat Launches	m²	1,249	1,249	1,249	1,249	1,249	1,249	1,249	1,249	1,249	1,249	\$64
Chess Tables	Each	3	3	3	3	3	3	3	3	3	3	\$2,185
Columns/Posts	Each	20	20	20	20	20	20	20	20	20	20	\$2,524
Dams	Each	1	1	1	1	1	1	1	1	1	1	\$109,273
Decorative Fleet	Each	7	7	7	7	7	7	7	7	7	7	\$38,245
Docks/Piers	m²	1,443	1,443	1,443	1,443	1,443	1,443	1,443	1,443	1,443	1,443	\$354
Drinking Water Fountains/Taps	Each	1	1	1	1	1	1	1	1	1	1	\$874
Fences/Gates	m	9,045	9,045	9,045	9,045	9,045	9,045	9,045	9,045	9,045	9,045	\$96
Fountains	Each	2	2	2	2	2	2	2	2	2	2	\$87,418
Horseshoe Pits	Each	6	6	6	6	6	6	6	6	6	6	\$874
Lights	Each	252	252	252	252	252	252	252	252	252	252	\$10,654
Memorials/Plaques	Each	22	22	22	22	22	22	22	22	22	22	\$1,093
Parking Lots	m²	62,696	62,696	62,696	62,696	62,696	62,696	62,696	62,696	62,696	62,696	\$73
Pathways	m²	19,609	19,609	19,609	19,609	19,609	19,609	19,609	19,609	19,609	19,609	\$99
Picnic Tables	Each	363	363	363	363	363	363	363	363	363	363	\$656
Playgrounds	Each	138	138	138	138	138	138	138	138	138	138	\$19,083
Railings	m	620	620	620	620	620	620	620	620	620	620	\$153
Roadways - Granular	m²	3,238	3,238	3,238	3,238	3,238	3,238	3,238	3,238	3,238	3,238	\$38
Roadways - Paved	m²	4,781	4,781	4,781	4,781	4,781	4,781	4,781	4,781	4,781	4,781	\$87
Scoreboards	Each	3	3	3	3	3	3	3	3	3	3	\$27,318



Description	Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/Unit)
Shelters/Gazebos	m²	2,735	2,735	2,735	2,735	2,735	2,735	2,735	2,735	2,735	2,735	\$903
Signs	Each	52	52	52	52	52	52	52	52	52	52	\$1,578
Skateboarding Ramps	Each	4	4	4	4	4	4	4	4	4	4	\$27,318
Soccer Nets	Each	39	39	39	39	39	39	39	39	39	39	\$6,556
Splash Arenas	Each	2	2	2	2	2	2	2	2	3	3	\$224,009
Staircases	Each	195	195	195	195	195	195	195	195	195	195	\$328
Surface Pads - Hard	m²	17,219	17,219	17,219	17,219	17,219	17,219	17,219	17,219	17,219	17,219	\$103
Surface Pads - Soft/Loose	m²	14,688	14,688	14,688	14,688	14,688	14,688	14,688	14,688	14,688	14,688	\$34
Utilities	Each	22	22	22	22	22	22	22	22	22	22	\$3,775
Volleyball Nets	Each	2	2	2	2	2	2	2	2	2	2	\$3,278
Total		307,986	307,986	307,986	307,986	307,986	307,986	307,986	307,986	308,983	309,413	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Per Capita Standard	3.5184	3.5441	3.5283	3.5126	3.4970	3.4816	3.4663	3.4481	3.4411	3.3926

10 Year Average	2010-2019
Quantity Standard	3.4830
Quality Standard	\$1,061
Service Standard	\$3,695

D.C. Amount (before deductions)	10 Year
Forecast Population	17,438
\$ per Capita	\$3,695
Eligible Amount	\$64,441,083



Service: Indoor Recreation Facilities
Unit Measure: ft² of building area

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Bld'g Value (\$/sq.ft.)	Value/ft² with land, site works, etc.
Lindsay Recreation Complex	99,950	99,950	99,950	99,950	99,950	99,950	99,950	99,950	99,950	99,950	\$312	\$348
Fenelon Falls Arena and Community Centre	25,556	25,556	44,552	44,552	44,552	44,552	44,552	44,552	44,552	44,552	\$250	\$280
Little Britain Arena and Community Centre	41,689	41,689	41,689	41,689	41,689	41,689	41,689	41,689	41,689	41,689	\$250	\$277
Oakwood Arena and Community Centre	34,465	34,465	34,465	34,465	34,465	34,465	34,465	34,465	34,465	34,465	\$250	\$277
Manvers Arena and Community Centre	34,050	34,050	34,050	34,050	34,050	34,050	34,050	34,050	34,050	34,050	\$250	\$277
Ops Arena and Community Centre	30,570	30,570	30,570	30,570	30,570	30,570	30,570	30,570	30,570	30,570	\$250	\$276
Bobcaygeon Arena and Community Centre	29,821	29,821	29,821	29,821	29,821	29,821	29,821	29,821	29,821	29,821	\$250	\$280
Victoria Park Armoury	29,796	29,796	29,796	29,796	29,796	29,796	29,796	29,796	29,796	29,796	\$450	\$500
Woodville/Eldon Arena and Community Centre	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	\$250	\$280
Emily/Onemee Arena and Community Centre	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	\$250	\$277
Norland Recreation Centre	9,222	9,222	9,222	9,222	9,222	9,222	9,222	9,222	9,222	9,222	\$285	\$316
Fenelon Community Centre and Library	7,196	7,196	7,196	7,196	7,196	7,196	8,696	8,696	8,696	8,696	\$285	\$316
Forbert Memorial Pool	7,213	7,213	7,213	7,213	7,213	7,213	7,213	7,213	7,213	7,213	\$437	\$486
Woodville Town Hall	8,590	8,590	8,590	8,590	8,590	8,590	8,590	8,590	8,590	8,590	\$285	\$318
Carden Recreation Centre	7,704	7,704	7,704	7,704	7,704	7,704	7,704	7,704	7,704	7,704	\$285	\$316
Norland Community Centre and Library	9,020	9,020	9,020	9,020	9,020	9,020	9,020	9,020	9,020	9,020	\$285	\$316
Kinmount Community Centre	6,342	6,342	6,342	6,342	6,342	6,342	6,342	6,342	6,342	6,342	\$285	\$315
Burnt River Recreation Centre	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	\$285	\$316
Coboconk Train Station	4,446	4,446	4,446	4,446	4,446	4,446	4,446	4,446	4,446	4,446	\$285	\$315
Bolsover Community Hall	4,370	4,370	4,370	4,370	4,370	4,370	4,370	4,370	4,370	4,370	\$285	\$316
Community Services Garage and Work Shop	4,043	4,043	4,043	4,043	4,043	4,043	4,043	4,043	4,043	4,043	\$240	\$269
Community Services Administration Building				4,034	4,034	4,034	4,034	4,034	4,034	4,034	\$285	\$318
Janetville Community Hall	4,005	4,005	4,005	4,005	4,005	4,005	4,005	4,005	4,005	4,005	\$285	\$316
Lindsay Operations Depot	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	\$240	\$269
Dalton Community Centre and Library	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416	\$285	\$316
Palestine Community Hall	1,335	1,335	1,335	1,335	1,335	1,335	1,335	1,335	1,335	1,335	\$285	\$316
Baddow Community Centre	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	\$285	\$316
Coronation Community Hall	2,128	2,128	2,128	2,128	2,128	2,128	2,128	2,128	2,128	2,128	\$285	\$318
Mariposa Community Hall	8,044	8,044	8,044	8,044	8,044	8,044	8,044	8,044	8,044	8,044	\$285	\$318
Victoria Road Community Hall	975	975	975	975	975	975	975	975	975	975	\$285	\$318
Total	482,004	482,004	501,000	505,034	505,034	505,034	506,534	506,534	506,534	506,534		

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Per Capita Standard	5.5064	5.5465	5.7394	5.7599	5.7344	5.7091	5.7009	5.6709	5.6413	5.5540

10 Year Average	2010-2019
Quantity Standard	5.6563
Quality Standard	\$315
Service Standard	\$1,782

D.C. Amount (before deductions)	10 Year
Forecast Population	17,438
\$ per Capita	\$1,782
Eligible Amount	\$31,068,587



Service: Parks and Recreation Vehicles and Equipment
Unit Measure: No. of vehicles and equipment

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/Vehicle)
Backhoes	1	1	1	1	1	1	1	1	1	1	\$165,000
Chippers	1	1	1	1	1	1	1	1	1	1	\$58,700
Trailers	16	17	17	17	18	18	18	18	18	18	\$10,000
Forklift	1	1	1	1	1	1	1	1	1	1	\$38,000
Tractors - Small	18	20	22	23	25	25	25	25	25	25	\$33,400
Tractors - Standard	6	6	6	6	6	6	6	6	6	6	\$60,000
Trucks - 1 Ton	3	3	3	3	3	3	3	3	3	3	\$86,300
Trucks - Pickup	11	11	12	12	12	12	12	12	12	12	\$43,900
Vans	1	1	1	1	3	3	3	3	3	3	\$35,000
ATVs	1	1	1	1	1	1	1	1	1	1	\$9,200
Ice Resurfacers - Propane	10	10	10	10	10	10	10	10	10	10	\$96,700
Ice Resurfacers - Electric				1	1	1	1	1	1	1	\$173,800
Total	69	72	75	77	82	82	82	82	82	82	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Per Capita Standard	0.0008	0.0008	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009

10 Year Average	2010-2019
Quantity Standard	0.0009
Quality Standard	\$44,256
Service Standard	\$40

D.C. Amount (before deductions)	10 Year
Forecast Population	17,438
\$ per Capita	\$40
Eligible Amount	\$694,556



Service: Library Facilities
Unit Measure: ft² of building area

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Bld'g Value (\$/sq.ft.)	Value/ft² with land, site works, etc.
Bethany Branch	1,500	1,500	1,500	1,500	1,500	1,500	1,500	6,267	6,267	6,267	\$285	\$346
Bobcaygeon Branch	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	\$285	\$348
Burnt River Branch	776	776	776	776	776	776					\$285	\$346
Cambray Branch	1,500	1,500	1,500	1,500	1,500	1,500					\$285	\$346
Carden Branch	800	800	800	800	800	800	800				\$285	\$346
Coboconk Branch	1,340	1,340	1,340	1,340	1,340	1,340	1,340	1,340	1,340	1,340	\$285	\$346
Dalton Branch	800	800	800	800	800	800	800	800	800	800	\$285	\$346
Downeyville Branch	900	900	900	900	900						\$285	\$346
Dunsford Branch	1,237	1,237	1,237	1,237	1,237	1,237	1,237	1,237	1,237	1,237	\$285	\$346
Fenelon Falls Branch	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	\$285	\$346
Kinmount Branch	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	\$285	\$346
Kirkfield Branch	1,300	1,300	1,300	1,300	1,300	1,300	1,300	4,536	4,536	4,536	\$285	\$346
Lindsay Branch	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	\$285	\$347
Little Britain Branch	925	925	925	925	925	925	925	925	925	925	\$285	\$346
Norland Branch	980	980	980	980	980	980	980	980	980	980	\$285	\$346
Oakwood Branch	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	\$285	\$346
Omeme Branch	410	410	410	410	410	410	410	410	1,600	1,600	\$285	\$348
Woodville Branch	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	\$285	\$348
Total	31,228	31,228	31,228	31,228	31,228	30,328	28,052	35,255	36,445	36,445		

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Per Capita Standard	0.3567	0.3593	0.3577	0.3562	0.3546	0.3428	0.3157	0.3947	0.4059	0.3996

10 Year Average	2010-2019
Quantity Standard	0.3643
Quality Standard	\$347
Service Standard	\$126

D.C. Amount (before deductions)	10 Year
Forecast Population	17,438
\$ per Capita	\$126
Eligible Amount	\$2,201,548



Service: Library Collection Materials
Unit Measure: No. of library collection items

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/item)
Reference Materials	8,202	7,916	7,228	6,869	5,706	5,935	4,985	4,187	3,070	3,070	\$75
Circulating Materials	153,752	168,638	152,658	152,205	154,801	178,245	171,745	160,217	153,086	153,086	\$32
Periodicals	120	133	133	133	133	114	114	115	110	103	\$47
Electronic Resources	8,202	9,005	13,826	14,960	14,960	14,960	14,725	15,439	15,450	15,450	\$37
eBooks	1,357	1,306	5,798	5,876	3,809	2,855	2,159	1,278	2,849	2,849	\$35
eAudiobooks	249	439	630	785	753	530	293	381	381	188	\$75
Total	171,882	187,437	180,273	180,828	180,162	202,639	194,021	181,617	174,946	174,746	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Per Capita Standard	1.9636	2.1569	2.0652	2.0623	2.0456	2.2907	2.1837	2.0333	1.9484	1.9161

10 Year Average	2010-2019
Quantity Standard	2.0666
Quality Standard	\$34
Service Standard	\$70

D.C. Amount (before deductions)	10 Year
Forecast Population	17,438
\$ per Capita	\$70
Eligible Amount	\$1,221,358



Service: Library Vehicles
Unit Measure: No. of library collection items

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/item)
Library Courier Vans	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	\$35,000
Total	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Per Capita Standard (per 1,000)	0.0069	0.0069	0.0069	0.0068	0.0068	0.0068	0.0068	0.0067	0.0067	0.0066

10 Year Average	2010-2019
Quantity Standard (per 1,000)	0.0068
Quality Standard	\$35,294
Service Standard	\$0

D.C. Amount (before deductions)	10 Year
Forecast Population	17,438
\$ per Capita	\$0
Eligible Amount	\$4,185



Service: Paramedic Facilities
Unit Measure: ft² of building area

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Bld'g Value (\$/sq.ft.)	Value/ft² with land, site works, etc.
Fire Hall - Bobcaygeon (Station 3)	1,774	1,774	1,774	1,774	1,774	1,774	1,774	1,774	1,774	1,774	\$322	\$359
Fenelon Falls Paramedic Station - Former Roads Depot	2,090	2,090	2,090	4,860	4,860	4,860	4,860	4,860	4,860	4,860	\$322	\$359
Fenelon Falls Quonset Hut Storage Unit	500	500	500	500	500	500	500	500	500	500	\$115	\$128
Training & Storage Facility - Former Fenelon Township Office	3,726	3,726	3,726	3,726	3,726	3,726	3,726	3,726	3,726	3,726	\$285	\$318
Lindsay Operations Depot	5,937	5,937	5,937	5,937	5,937	5,937	5,937	5,937	5,937	5,937	\$322	\$359
Paramedic Service Headquarters	500	500	500	3,600	3,600	3,600	3,600	3,600	3,600	3,600	\$285	\$318
Lindsay-West Satellite Post (McLaughlin Rd. Lease)		800	800	800	800	800	800	800	800	800	\$285	\$318
Coboconk Satellite Post (OPP Station Lease)			250	250	250	250	250	250	250		\$285	\$316
Fire Hall - Pontypool (Station 8)					1,444	1,444	1,444	1,444	1,444	1,444	\$322	\$357
Coboconk Fire Hall										1,000	\$322	\$359
Total	14,527	15,327	15,577	21,448	22,892	22,892	22,892	22,892	22,892	23,642		

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.1380	0.1465	0.1484	0.2037	0.2167	0.2161	0.2154	0.2144	0.2133	0.2173

10 Year Average	2010-2019
Quantity Standard	0.1930
Quality Standard	\$339
Service Standard	\$65

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	20,042
\$ per Capita & Employee	\$65
Eligible Amount	\$1,309,745



Service: Paramedic Vehicles
Unit Measure: No. of vehicles and equipment

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/Vehicle)
General Equipment & Furnishings (Set)											
Paramedic Equipment (Full)	40	40	48	50	50	50	50	51	47	51	\$3,000
Paramedic Equipment (Partial)	36	36	41	41	41	41	41	41	41	45	\$2,250
Public Access Defibrillators (PADs)	51	51	51	51	51	51	51	51	51	51	\$1,700
Fleet (Item)											
Ambulances, Fully Equipped (incl. spares)	12	12	13	13	13	13	13	13	13	14	\$250,000
Emergency Support Vehicles			1	1	1	1	1	1	1	1	\$110,000
Emergency Response Units, Fully Equipped	2	3	3	3	3	3	3	3	3	3	\$160,000
Cars	1	1	1	1	1	1					\$43,000
Logistics Trucks	1	1	1	1	1	1	1	1	1	1	\$80,000
Community Service Vehicles	1	1	1								\$28,300
Trailers	1	1	1	1	1	1					\$50,900
Total	145	146	161	162	162	162	160	161	157	166	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.0014	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015

10 Year Average	2010-2019
Quantity Standard	0.0015
Quality Standard	\$26,653
Service Standard	\$40

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	20,042
\$ per Capita & Employee	\$40
Eligible Amount	\$801,279



Service: Municipal By-law Enforcement Facilities
Unit Measure: ft² of building area

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Bld'g Value (\$/sq.ft.)	Value/ft² with land, site works, etc.
By-Law Enforcement Office	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	\$450	\$500
Total	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200		

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.0114	0.0115	0.0114	0.0114	0.0114	0.0113	0.0113	0.0112	0.0112	0.0110

10 Year Average	2010-2019
Quantity Standard	0.0113
Quality Standard	\$501
Service Standard	\$6

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	20,042
\$ per Capita & Employee	\$6
Eligible Amount	\$113,438



Service: Municipal By-law Enforcement Vehicles and Equipment
Unit Measure: No. of vehicles and equipment

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/Vehicle)
Vans	5	5	5	5	5	5	5	5	5	5	\$35,000
ATVs						2	2	2	2	2	\$12,500
Equipped Officers	9	9	9	9	9	9	9	9	9	9	\$5,000
Total	14	14	14	14	14	16	16	16	16	16	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	0.0001

10 Year Average	2010-2019
Quantity Standard	0.0001
Quality Standard	\$22,100
Service Standard	\$2

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	20,042
\$ per Capita & Employee	\$2
Eligible Amount	\$44,293



Service: Health & Social Services Facilities
Unit Measure: ft² of building area

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Bld'g Value (\$/sq.ft.)	Value/ft² with land, site works, etc.
Victoria Manor	109,970	109,970	109,970	109,970	109,970	109,970	109,970	109,970	109,970	109,970	\$313	\$349
Coboconk Medical Centre	4,936	4,936	4,936	4,936	4,936	4,936	4,936	4,936			\$285	\$318
Coboconk Medical Centre - Portable									2,100	2,100	\$132	\$149
Kirkfield Medical Centre	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	\$285	\$318
Kirkfield Nurse Practitioner Office	4,612	4,612	4,612	4,612	4,612	4,612	4,612	4,612	4,612	4,612	\$285	\$318
KLHHC Maintenance Office	2,820	2,820	2,820	2,820	2,820	2,820					\$285	\$316
Housing Help Office (37 Lindsay St. S.)							2,484	2,484	2,484		\$285	\$318
Human Services Office (322 Kent St. W.)	16,923	16,923	16,923	16,923	16,923	16,923	16,923	16,923	16,923		\$285	\$318
Human Services Office (68 Lindsay St. N.)										20,000	\$285	\$318
Housing Units (# of units)												
111 William Street North, Lindsay	65	65	65	65	65	65	65	65	65	65	\$195,926	\$195,926
123 Need Street, Bobcaygeon	32	32	32	32	32	32	32	32	32	32	\$168,775	\$168,775
19 Hamilton Street, Lindsay	60	60	60	60	60	60	60	60	60	60	\$169,928	\$169,928
20 Sussex Street South, Lindsay	67	67	67	67	67	67	67	67	67	67	\$260,925	\$260,925
40 Francis Street, Fenelon Falls	70	70	70	70	70	70	70	70	70	70	\$172,011	\$172,011
40 Mary Street West, Lindsay	14	14	14	14	14	14	14	14	14	14	\$263,764	\$263,764
40 Dominion Drive, Lindsay	12	12	12	12	12	12	12	12	12	12	\$242,067	\$242,067
45 Durham Street East, Lindsay	50	50	50	50	50	50	50	50	50	50	\$203,036	\$203,036
45 St Patrick Street, Lindsay	10	10	10	10	10	10	10	10	10	10	\$208,500	\$208,500
48 St Paul Street, Lindsay	40	40	40	40	40	40	40	40	56	56	\$191,368	\$191,368
56 James Street, Lindsay	10	10	10	10	10	10	10	10	10	10	\$270,780	\$270,780
71 Melbourne Street East, Lindsay	50	50	50	50	50	50	50	50	50	50	\$159,238	\$159,238
8 James Street, Omemee	28	28	28	28	28	28	28	28	28	28	\$160,429	\$160,429
92 Albert Street South, Lindsay	50	50	50	50	50	50	50	50	50	50	\$222,542	\$222,542
1 Devan Court, Lindsay						29	29	29	29	29	\$189,452	\$189,452
5 Bond Street East, Lindsay										12	\$229,167	\$229,167
68 Lindsay Street North, Lindsay										24	\$233,515	\$233,515
24-30 Wellington Street, Lindsay	8	8	8	8	8	8	8	8	8	8	\$131,941	\$131,941
70 Murray Street, Fenelon Falls	26	26	26	26	26	26	26	26	26	26	\$184,804	\$184,804
Total	143,717	143,717	143,717	143,717	143,717	143,746	143,410	143,410	140,590	141,219		

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Per Capita Standard	1.6418	1.6538	1.6464	1.6391	1.6318	1.6250	1.6141	1.6056	1.5657	1.5484

10 Year Average	2010-2019
Quantity Standard	1.6172
Quality Standard	\$1,183
Service Standard	\$1,913

D.C. Amount (before deductions)	10 Year
Forecast Population	17,438
\$ per Capita	\$1,913
Eligible Amount	\$33,355,058



Service: Health & Social Services Vehicles
Unit Measure: No. of vehicles and equipment

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 Value (\$/Vehicle)
Trailers	2	2	2	2	2	2	2	2	2	2	\$10,000
Yard Tractors	9	9	9	9	9	9	9	9	9	9	\$11,300
Trucks - Pickup	6	6	6	6	6	6	6	6	6	6	\$43,900
Vans	1	1	1	1	1	1	1	1	1	1	\$35,000
Total	18	18	18	18	18	18	18	18	18	18	

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Per Capita Standard	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002

10 Year Average	2010-2019
Quantity Standard	0.0002
Quality Standard	\$23,750
Service Standard	\$5

D.C. Amount (before deductions)	10 Year
Forecast Population	20,042
\$ per Capita	\$5
Eligible Amount	\$95,200



Service: Waste Diversion - Facilities - Stations/Depots
Unit Measure: ft² of building area

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Waste Diversion %	2019 Bld'g Value (\$/sq.ft.)	Value/ft² with land, site works, etc.
Fenelon Waste Site Operations Building	1,410	1,410	1,410	1,410	1,410	1,410	1,410	1,410	1,410	1,410	13%	\$240	\$269
Lindsay-Ops Waste Site Administration and Operations Building	16,284	16,284	16,284	16,284	16,284	16,284	16,284	16,284	16,284	16,284	30%	\$240	\$269
Lindsay-Ops Waste Site Electricity Generation Station	450	450	450	450	450	450	450	450	450	450	30%	\$300	\$335
Lindsay-Ops Waste Site Hazardous Waste Building	800	800	800	800	800	800	800	800	800	800	100%	\$240	\$269
Lindsay-Ops Waste Site Scale House	665	665	665	665	665	665	665	665	665	665	30%	\$285	\$318
Public Works and Engineering Administrative Office	643	643	643	643	643	643	643	643	643	643	50%	\$285	\$318
Waste Collection Garage and Office	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	16%	\$240	\$269
Total	24,252	24,252	24,252	24,252	24,252	24,252	24,252	24,252	24,252	24,252			
Percentage attributable to Eligible Portion	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%			
Total Eligible Portion of Facilities	7,165	7,165	7,165	7,165	7,165	7,165	7,165	7,165	7,165	7,165			

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.0680	0.0685	0.0683	0.0680	0.0678	0.0676	0.0674	0.0671	0.0668	0.0659

10 Year Average	2010-2019
Quantity Standard	0.0675
Quality Standard	\$274
Service Standard	\$18

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	20,042
\$ per Capita & Employee	\$18
Eligible Amount	\$370,577



Service: Waste Diversion
Unit Measure: Various

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Waste Diversion %	2019 Value (\$/Unit)
Fleet												
Trailers	1	1	1	1	1	1	1	1	1	1	100%	\$10,000
Tractors	1	1	1	1	1	1	1	1	1	1	100%	\$60,000
Compactors	2	2	2	2	2	2	2	2	2	2	0%	\$985,000
Heavy Loaders	4	4	4	4	4	4	4	4	4	4	16%	\$328,000
Half-Ton Trucks	2	2	2	2	2	2	2	2	2	2	16%	\$43,900
Three-Quarter-Ton Trucks	1	1	1	1	1	1	1	1	1	1	16%	\$64,000
Roll-Off Trucks	1	1	1	1	1	1	1	1	1	1	30%	\$247,000
Split-Side Waste Collection Trucks	11	11	11	11	11	11	11	11	11	11	46%	\$382,000
Split-Rear Waste Collection Trucks	3	3	3	3	3	3	3	3	3	3	46%	\$263,000
Singe-Axle Side Waste Collection Trucks	1	1	1	1	1	1	1	1	1	1	46%	\$250,000
Roll-Off Trucks	1	1	1	1	1	1	1	1	1	1	95%	\$247,000
Waste Containers - 40y ³	19	19	19	19	19	19	19	19	19	19	95%	\$8,760
Heavy Loaders	1	1	1	1	1	1	1	1	1	1	46%	\$328,000
Pickup Trucks with Cage	1	1	1	1	1	1	1	1	1	1	46%	\$43,900
Transport Trucks	1	1	1	1	1	1	1	1	1	1	46%	\$200,000
Transport Trailers	2	2	2	2	2	2	2	2	2	2	46%	\$140,000
Equipment												
Air Compressors	3	3	3	3	3	3	3	3	3	3	16%	\$3,200
Benches	1	1	1	1	1	1	1	1	1	1	16%	\$780
Brush Cutters	4	4	4	4	4	4	4	4	4	4	16%	\$440
Chainsaws	1	1	1	1	1	1	1	1	1	1	16%	\$660
Conductivity Meters	1	1	1	1	1	1	1	1	1	1	0%	\$4,280
Generators	8	8	8	8	8	8	8	8	8	8	12%	\$1,050
Lawnmowers	1	1	1	1	1	1	1	1	1	1	16%	\$470
Oil Tanks	1	1	1	1	1	1	1	1	1	1	100%	\$5,470
Pallet Carts	1	1	1	1	1	1	1	1	1	1	30%	\$720
Pressure Washers	1	1	1	1	1	1	1	1	1	1	30%	\$8,740
Shipping Containers	6	6	6	6	6	6	6	6	6	6	100%	\$5,990
Torches	1	1	1	1	1	1	1	1	1	1	16%	\$330
Waste Containers - 20y ³	3	3	3	3	3	3	3	3	3	3	100%	\$4,920
Waste Containers - 40y ³	16	16	16	16	16	16	16	16	16	16	75%	\$8,760
Water Tanks	1	1	1	1	1	1	1	1	1	1	0%	\$2,740
Welders	1	1	1	1	1	1	1	1	1	1	88%	\$4,760



Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Waste Diversion %	2019 Value (\$/Unit)
Siteworks												
Bollards	35	35	35	35	35	35	35	35	35	35	16%	\$400
Fencing	9,923	9,923	9,923	10,503	10,503	10,503	10,503	10,503	10,503	10,503	16%	\$30
Fuel Stations	1	1	1	1	2	2	2	2	2	2	30%	\$39,890
Gates	27	27	27	27	27	27	27	27	27	27	16%	\$950
Internal Roadways - Unpaved	18,212	18,212	18,212	18,212	18,212	18,212	18,212	18,212	18,212	18,212	16%	\$40
Internal Roadways - Paved	8,095	8,095	8,095	8,095	8,095	8,095	8,095	8,095	8,095	8,095	30%	\$90
Outdoor Lights	3	3	3	3	3	3	3	3	3	3	30%	\$3,280
Plaques	2	2	2	2	2	2	2	2	2	2	16%	\$1,090
Signs	231	231	231	231	231	231	231	231	231	231	16%	\$40
Stormwater Retention Ponds	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	30%	\$50
Tipping Area Landings	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	30%	\$90
Tipping Area Pathways	85	85	85	85	85	85	85	85	85	85	30%	\$160
Tipping Area Steps	21	21	21	21	21	21	21	21	21	21	30%	\$330
Tipping Area Walls	1	1	1	1	1	1	1	1	1	1	30%	\$21,860
Weather Stations	1	1	1	1	1	1	1	1	1	1	30%	\$5,460
Weigh Scales	6	6	6	6	6	6	6	6	6	6	18%	\$117,500
Total	47,845.3	49,856.3	49,857.3	50,438.3	50,440.3	50,441.3	50,442.3	50,443.3	50,444.3	50,445.3		
Percentage attributable to Eligible Portion	22%	21%	21%	21%	21%	21%	21%	21%	21%	21%		
Total Eligible Portion of Assets	10,399.9	10,399.9	10,399.9	10,492.7	10,493.0	10,493.0	10,493.0	10,493.0	10,493.0	10,493.0		

Population	87,535	86,902	87,291	87,681	88,071	88,461	88,851	89,321	89,791	91,201
Employment	17,773	17,735	17,672	17,609	17,546	17,483	17,420	17,473	17,525	17,578
Population & Employment	105,308	104,637	104,963	105,290	105,617	105,944	106,271	106,794	107,316	108,779
Per Capita & Employee Standard	0.0988	0.0994	0.0991	0.0997	0.0993	0.0990	0.0987	0.0983	0.0978	0.0965

10 Year Average	2010-2019
Quantity Standard	0.0987
Quality Standard	\$428
Service Standard	\$42

D.C. Amount (before deductions)	10 Year
Forecast Population & Employment	20,042
\$ per Capita & Employee	\$42
Eligible Amount	\$847,576



Appendix C

Cash Flow Calculation



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Fire - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$137.15	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	(939,826)	(165,630)	(165,630)		2,155	\$137.15	295,553	(809,902)	(28,433)	(838,336)
2021	(838,336)	(128,419)	(132,271)		2,155	141.26	304,420	(666,187)	(24,448)	(690,635)
2022	(690,635)	(155,358)	(164,819)		2,155	145.50	313,553	(541,902)	(20,029)	(561,931)
2023	(561,931)	(34,456)	(37,651)		2,155	149.87	322,959	(276,623)	(13,626)	(290,249)
2024	(290,249)	(43,632)	(49,108)		2,155	154.36	332,648	(6,709)	(4,826)	(11,535)
2025	(11,535)	(6,045)	(7,008)		2,155	158.99	342,627	324,084	1,953	326,038
2026	326,038	(1,269,081)	(1,515,349)		2,155	163.76	352,906	(836,405)	(8,293)	(844,699)
2027	(844,699)	(165,630)	(203,704)		2,155	168.68	363,493	(684,910)	(24,856)	(709,766)
2028	(709,766)	(335,582)	(425,105)		2,155	173.74	374,398	(760,473)	(23,891)	(784,364)
2029	(784,364)	(165,630)	(216,110)		2,155	178.95	385,630	(614,844)	(22,737)	(637,581)
2030	(637,581)	(6,045)	(6,045)		2,388	184.32	440,139	(203,487)	(13,667)	(217,154)
2031	(217,154)	(6,045)	(6,045)		1,194	189.85	226,672	3,472	(3,472)	0
Total		(2,481,554)	(2,928,847)	-	25,132		4,054,999		(186,327)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Fire - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$2.79	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(140,434)	(24,749)	(24,749)		15,868	\$2.79	44,227	(120,956)	(4,248)	(125,203)
2021	(125,203)	(19,189)	(19,765)		15,868	2.871	45,554	(99,414)	(3,650)	(103,064)
2022	(103,064)	(23,214)	(24,628)		15,868	2.957	46,921	(80,771)	(2,987)	(83,759)
2023	(83,759)	(5,149)	(5,626)		15,868	3.046	48,328	(41,056)	(2,028)	(43,085)
2024	(43,085)	(6,520)	(7,338)		15,868	3.137	49,778	(644)	(711)	(1,355)
2025	(1,355)	(903)	(1,047)		15,868	3.231	51,272	48,869	297	49,166
2026	49,166	(189,633)	(226,431)		15,868	3.328	52,810	(124,455)	(1,223)	(125,679)
2027	(125,679)	(24,749)	(30,439)		15,868	3.428	54,394	(101,723)	(3,695)	(105,419)
2028	(105,419)	(50,144)	(63,521)		15,868	3.531	56,026	(112,914)	(3,548)	(116,462)
2029	(116,462)	(24,749)	(32,292)		15,868	3.637	57,707	(91,048)	(3,372)	(94,420)
2030	(94,420)	(903)	(903)		17,404	3.746	65,191	(30,132)	(2,024)	(32,156)
2031	(32,156)	(903)	(903)		8,702	3.858	33,574	514	(514)	0
Total		(370,807)	(437,644)	-	184,784		605,781		(27,704)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Fire - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$1.54	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(23,729)	(4,182)	(4,182)		4,905	\$1.54	7,545	(20,367)	(717)	(21,083)
2021	(21,083)	(3,242)	(3,340)		4,905	1.584	7,771	(16,652)	(613)	(17,265)
2022	(17,265)	(3,923)	(4,161)		4,905	1.632	8,004	(13,423)	(499)	(13,921)
2023	(13,921)	(870)	(951)		4,905	1.681	8,244	(6,628)	(334)	(6,962)
2024	(6,962)	(1,102)	(1,240)		4,905	1.731	8,491	290	(108)	181
2025	181	(153)	(177)		4,905	1.783	8,746	8,751	56	8,806
2026	8,806	(32,042)	(38,260)		4,905	1.836	9,009	(20,445)	(189)	(20,634)
2027	(20,634)	(4,182)	(5,143)		4,905	1.892	9,279	(16,499)	(603)	(17,102)
2028	(17,102)	(8,473)	(10,733)		4,905	1.948	9,557	(18,278)	(575)	(18,853)
2029	(18,853)	(4,182)	(5,456)		4,905	2.007	9,844	(14,466)	(541)	(15,007)
2030	(15,007)	(153)	(205)		5,054	2.067	10,446	(4,766)	(321)	(5,087)
2031	(5,087)	(153)	(211)		2,527	2.129	5,380	81	(81)	(0)
Total		(62,656)	(74,060)	-	56,634		102,316		(4,527)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Fire - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$3.66	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(90,279)	(15,910)	(15,910)		7,776	\$3.66	28,435	(77,754)	(2,731)	(80,484)
2021	(80,484)	(12,336)	(12,706)		7,776	3.766	29,288	(63,902)	(2,346)	(66,248)
2022	(66,248)	(14,924)	(15,832)		7,776	3.879	30,167	(51,914)	(1,920)	(53,834)
2023	(53,834)	(3,310)	(3,617)		7,776	3.996	31,072	(26,379)	(1,303)	(27,682)
2024	(27,682)	(4,191)	(4,717)		7,776	4.116	32,004	(396)	(456)	(852)
2025	(852)	(581)	(673)		7,776	4.239	32,964	31,439	191	31,630
2026	31,630	(121,907)	(145,563)		7,776	4.366	33,953	(79,980)	(786)	(80,765)
2027	(80,765)	(15,910)	(19,568)		7,776	4.497	34,972	(65,361)	(2,375)	(67,736)
2028	(67,736)	(32,236)	(40,835)		7,776	4.632	36,021	(72,550)	(2,280)	(74,830)
2029	(74,830)	(15,910)	(20,759)		7,776	4.771	37,101	(58,488)	(2,166)	(60,654)
2030	(60,654)	(581)	(780)		8,578	4.914	42,156	(19,279)	(1,299)	(20,578)
2031	(20,578)	(581)	(804)		4,289	5.062	21,710	329	(329)	(0)
Total		(238,376)	(281,765)	-	90,627		389,844		(17,800)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Fire - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$2.59	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(26,426)	(4,657)	(4,657)		3,187	\$2.59	8,238	(22,845)	(801)	(23,645)
2021	(23,645)	(3,611)	(3,719)		3,187	2.663	8,485	(18,879)	(691)	(19,570)
2022	(19,570)	(4,368)	(4,634)		3,187	2.743	8,740	(15,465)	(569)	(16,034)
2023	(16,034)	(969)	(1,059)		3,187	2.825	9,002	(8,090)	(392)	(8,483)
2024	(8,483)	(1,227)	(1,381)		3,187	2.910	9,272	(591)	(147)	(739)
2025	(739)	(170)	(197)		3,187	2.997	9,550	8,615	49	8,664
2026	8,664	(35,684)	(42,608)		3,187	3.087	9,837	(24,107)	(251)	(24,358)
2027	(24,358)	(4,657)	(5,728)		3,187	3.180	10,132	(19,954)	(720)	(20,674)
2028	(20,674)	(9,436)	(11,953)		3,187	3.275	10,436	(22,191)	(697)	(22,888)
2029	(22,888)	(4,657)	(6,077)		3,187	3.373	10,749	(18,215)	(668)	(18,883)
2030	(18,883)	(170)	(228)		3,772	3.474	13,105	(6,007)	(404)	(6,411)
2031	(6,411)	(170)	(235)		1,886	3.579	6,749	103	(103)	(0)
Total		(69,775)	(82,476)	-	37,524		114,296		(5,394)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Police - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$157.90	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	764,033	(73,632)	(73,632)		1,299	\$157.90	205,077	895,478	10,372	905,850
2021	905,850	(63,296)	(65,195)		1,299	162.64	211,230	1,051,885	12,236	1,064,121
2022	1,064,121	(14,276)	(15,145)		1,299	167.52	217,567	1,266,542	14,567	1,281,109
2023	1,281,109	(19,952)	(21,802)		1,299	172.54	224,094	1,483,400	17,278	1,500,678
2024	1,500,678	(43,602)	(49,074)		1,299	177.72	230,816	1,682,420	19,894	1,702,315
2025	1,702,315	(2,364,312)	(2,740,886)		1,299	183.05	237,741	(800,830)	5,634	(795,196)
2026	(795,196)	(57,620)	(68,801)		1,299	188.54	244,873	(619,124)	(22,983)	(642,107)
2027	(642,107)	(19,952)	(24,538)		1,299	194.20	252,219	(414,426)	(17,169)	(431,594)
2028	(431,594)	(43,602)	(55,234)		1,299	200.02	259,786	(227,042)	(10,703)	(237,745)
2029	(237,745)	(19,952)	(26,033)		1,299	206.02	267,579	3,802	(3,802)	(0)
Total		(2,720,196)	(3,140,341)	-	12,988		2,350,982		25,325	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Police - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$2.69	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	124,377	(11,987)	(11,987)		12,430	\$2.69	33,385	145,776	1,688	147,464
2021	147,464	(10,304)	(10,613)		12,430	2.766	34,386	171,237	1,992	173,229
2022	173,229	(2,324)	(2,466)		12,430	2.849	35,418	206,181	2,371	208,553
2023	208,553	(3,248)	(3,549)		12,430	2.935	36,480	241,484	2,813	244,296
2024	244,296	(7,098)	(7,989)		12,430	3.023	37,575	273,882	3,239	277,121
2025	277,121	(384,888)	(446,191)		12,430	3.114	38,702	(130,368)	917	(129,450)
2026	(129,450)	(9,380)	(11,200)		12,430	3.207	39,863	(100,788)	(3,741)	(104,529)
2027	(104,529)	(3,248)	(3,995)		12,430	3.303	41,059	(67,465)	(2,795)	(70,260)
2028	(70,260)	(7,098)	(8,992)		12,430	3.402	42,291	(36,960)	(1,742)	(38,703)
2029	(38,703)	(3,248)	(4,238)		12,430	3.504	43,559	619	(619)	0
Total		(442,823)	(511,218)	-	124,302		382,718		4,123	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Police - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$1.51	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	24,456	(2,357)	(2,357)		4,350	\$1.51	6,564	28,663	332	28,995
2021	28,995	(2,026)	(2,087)		4,350	1.554	6,761	33,670	392	34,061
2022	34,061	(457)	(485)		4,350	1.601	6,964	40,541	466	41,007
2023	41,007	(639)	(698)		4,350	1.649	7,173	47,482	553	48,035
2024	48,035	(1,396)	(1,571)		4,350	1.698	7,388	53,853	637	54,489
2025	54,489	(75,679)	(87,733)		4,350	1.749	7,610	(25,634)	180	(25,453)
2026	(25,453)	(1,844)	(2,202)		4,350	1.802	7,838	(19,818)	(736)	(20,553)
2027	(20,553)	(639)	(785)		4,350	1.856	8,073	(13,265)	(550)	(13,815)
2028	(13,815)	(1,396)	(1,768)		4,350	1.912	8,315	(7,267)	(343)	(7,610)
2029	(7,610)	(639)	(833)		4,350	1.969	8,565	122	(122)	(0)
Total		(87,071)	(100,519)	-	43,501		75,253		811	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Police - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$3.62	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	77,170	(7,437)	(7,437)		5,719	\$3.62	20,714	90,447	1,048	91,494
2021	91,494	(6,393)	(6,585)		5,719	3.730	21,335	106,245	1,236	107,480
2022	107,480	(1,442)	(1,530)		5,719	3.842	21,975	127,926	1,471	129,397
2023	129,397	(2,015)	(2,202)		5,719	3.957	22,634	149,829	1,745	151,574
2024	151,574	(4,404)	(4,957)		5,719	4.076	23,313	169,931	2,009	171,941
2025	171,941	(238,805)	(276,840)		5,719	4.198	24,013	(80,887)	569	(80,318)
2026	(80,318)	(5,820)	(6,949)		5,719	4.324	24,733	(62,534)	(2,321)	(64,855)
2027	(64,855)	(2,015)	(2,478)		5,719	4.454	25,475	(41,859)	(1,734)	(43,593)
2028	(43,593)	(4,404)	(5,579)		5,719	4.588	26,239	(22,932)	(1,081)	(24,013)
2029	(24,013)	(2,015)	(2,629)		5,719	4.725	27,027	384	(384)	(0)
Total		(274,751)	(317,187)	-	57,194		237,459		2,558	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Police - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$2.59	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	22,751	(2,193)	(2,193)		2,361	\$2.59	6,107	26,665	309	26,974
2021	26,974	(1,885)	(1,941)		2,361	2.664	6,290	31,323	364	31,687
2022	31,687	(425)	(451)		2,361	2.744	6,479	37,715	434	38,148
2023	38,148	(594)	(649)		2,361	2.827	6,673	44,172	515	44,687
2024	44,687	(1,298)	(1,461)		2,361	2.912	6,873	50,099	592	50,691
2025	50,691	(70,404)	(81,617)		2,361	2.999	7,079	(23,847)	168	(23,679)
2026	(23,679)	(1,716)	(2,049)		2,361	3.089	7,292	(18,436)	(684)	(19,120)
2027	(19,120)	(594)	(731)		2,361	3.182	7,511	(12,341)	(511)	(12,852)
2028	(12,852)	(1,298)	(1,645)		2,361	3.277	7,736	(6,761)	(319)	(7,079)
2029	(7,079)	(594)	(775)		2,361	3.375	7,968	113	(113)	(0)
Total		(81,001)	(93,512)	-	23,607		70,007		754	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Roads - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$2,421.42	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	566,388	(890,952)	(890,952)	(387,733)	2,155	\$2,421.42	5,218,096	4,505,799	31,701	4,537,500
2021	4,537,500	(4,269,196)	(4,397,272)	(379,219)	2,155	2,494.07	5,374,639	5,135,649	60,457	5,196,106
2022	5,196,106	(14,541,161)	(15,426,717)	(371,083)	2,155	2,568.89	5,535,878	(5,065,817)	814	(5,065,003)
2023	(5,065,003)	(2,454,426)	(2,682,018)	(362,948)	2,155	2,645.96	5,701,954	(2,408,014)	(121,437)	(2,529,451)
2024	(2,529,451)	(4,702,576)	(5,292,791)	(355,102)	2,155	2,725.33	5,873,013	(2,304,331)	(78,549)	(2,382,880)
2025	(2,382,880)	(7,696,481)	(8,922,330)	(346,677)	2,155	2,807.09	6,049,203	(5,602,684)	(129,765)	(5,732,450)
2026	(5,732,450)	(13,607,802)	(16,248,428)	(338,542)	2,155	2,891.31	6,230,679	(16,088,740)	(354,594)	(16,443,334)
2027	(16,443,334)	(2,815,795)	(3,463,073)	(330,406)	2,155	2,978.05	6,417,600	(13,819,214)	(491,766)	(14,310,980)
2028	(14,310,980)	(1,787,119)	(2,263,869)	(322,472)	2,155	3,067.39	6,610,128	(10,287,193)	(399,720)	(10,686,914)
2029	(10,686,914)	(1,068,908)	(1,394,682)	(314,136)	2,155	3,159.41	6,808,432	(5,587,300)	(264,456)	(5,851,756)
2030	(5,851,756)	(2,822,941)	(2,822,941)	(306,000)	2,388	3,254.19	7,770,814	(1,209,883)	(114,752)	(1,324,634)
2031	(1,324,634)	(1,103,599)	(1,103,599)	(1,552,555)	1,194	3,351.82	4,001,969	21,181	(21,181)	(0)
Total		(57,760,955)	(64,908,671)	(5,366,874)	25,132		71,592,404		(1,883,248)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Roads - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$49.21	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	84,633	(133,131)	(133,131)	(57,937)	15,868	\$49.21	780,846	674,411	4,744	679,155
2021	679,155	(637,926)	(657,064)	(56,665)	15,868	50.686	804,271	769,698	9,055	778,753
2022	778,753	(2,172,817)	(2,305,142)	(55,449)	15,868	52.206	828,400	(753,438)	158	(753,280)
2023	(753,280)	(366,753)	(400,761)	(54,234)	15,868	53.772	853,252	(355,023)	(18,010)	(373,033)
2024	(373,033)	(702,684)	(790,877)	(53,061)	15,868	55.386	878,849	(338,122)	(11,556)	(349,678)
2025	(349,678)	(1,150,049)	(1,333,222)	(51,802)	15,868	57.047	905,215	(829,488)	(19,161)	(848,649)
2026	(848,649)	(2,033,350)	(2,427,926)	(50,587)	15,868	58.758	932,371	(2,394,791)	(52,706)	(2,447,497)
2027	(2,447,497)	(420,751)	(517,471)	(49,371)	15,868	60.521	960,342	(2,053,997)	(73,149)	(2,127,146)
2028	(2,127,146)	(267,041)	(338,279)	(48,185)	15,868	62.337	989,152	(1,524,458)	(59,339)	(1,583,797)
2029	(1,583,797)	(159,722)	(208,401)	(46,940)	15,868	64.207	1,018,827	(820,310)	(39,067)	(859,377)
2030	(859,377)	(421,819)	(421,819)	(45,724)	17,404	66.133	1,150,972	(175,948)	(16,824)	(192,772)
2031	(192,772)	(164,906)	(164,906)	(231,991)	8,702	68.117	592,751	3,082	(3,082)	0
Total		(8,630,947)	(9,698,997)	(801,947)	184,784		10,695,248		(278,937)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Roads - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$26.86	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	14,161	(22,276)	(22,276)	(9,694)	4,905	\$26.86	131,779	113,970	801	114,770
2021	114,770	(106,741)	(109,943)	(9,481)	4,905	27.671	135,732	131,078	1,537	132,614
2022	132,614	(363,568)	(385,709)	(9,278)	4,905	28.501	139,804	(122,568)	63	(122,505)
2023	(122,505)	(61,367)	(67,058)	(9,075)	4,905	29.356	143,998	(54,639)	(2,879)	(57,518)
2024	(57,518)	(117,577)	(132,334)	(8,878)	4,905	30.236	148,318	(50,412)	(1,754)	(52,166)
2025	(52,166)	(192,432)	(223,082)	(8,668)	4,905	31.144	152,768	(131,148)	(2,979)	(134,126)
2026	(134,126)	(340,231)	(406,254)	(8,464)	4,905	32.078	157,351	(391,494)	(8,541)	(400,035)
2027	(400,035)	(70,402)	(86,586)	(8,261)	4,905	33.040	162,071	(332,811)	(11,909)	(344,719)
2028	(344,719)	(44,683)	(56,603)	(8,063)	4,905	34.031	166,934	(242,451)	(9,542)	(251,993)
2029	(251,993)	(26,726)	(34,871)	(7,854)	4,905	35.052	171,942	(122,776)	(6,090)	(128,866)
2030	(128,866)	(70,581)	(70,581)	(7,651)	5,054	36.104	182,467	(24,631)	(2,494)	(27,126)
2031	(27,126)	(27,593)	(27,593)	(38,818)	2,527	37.187	93,970	434	(434)	0
Total		(1,444,177)	(1,622,889)	(134,186)	56,634		1,787,134		(44,221)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Roads - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$64.48	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	54,387	(85,553)	(85,553)	(37,232)	7,776	\$64.48	501,381	432,983	3,046	436,029
2021	436,029	(409,945)	(422,243)	(36,414)	7,776	66.412	516,422	493,794	5,811	499,605
2022	499,605	(1,396,300)	(1,481,334)	(35,633)	7,776	68.405	531,915	(485,447)	88	(485,359)
2023	(485,359)	(235,684)	(257,538)	(34,852)	7,776	70.457	547,872	(229,876)	(11,623)	(241,499)
2024	(241,499)	(451,560)	(508,235)	(34,098)	7,776	72.571	564,308	(219,523)	(7,492)	(227,015)
2025	(227,015)	(739,047)	(856,757)	(33,289)	7,776	74.748	581,238	(535,824)	(12,396)	(548,220)
2026	(548,220)	(1,306,675)	(1,560,238)	(32,508)	7,776	76.990	598,675	(1,542,292)	(33,971)	(1,576,263)
2027	(1,576,263)	(270,384)	(332,538)	(31,727)	7,776	79.300	616,635	(1,323,892)	(47,128)	(1,371,020)
2028	(1,371,020)	(171,606)	(217,386)	(30,965)	7,776	81.679	635,134	(984,236)	(38,273)	(1,022,509)
2029	(1,022,509)	(102,641)	(133,923)	(30,165)	7,776	84.129	654,188	(532,409)	(25,267)	(557,676)
2030	(557,676)	(271,070)	(271,070)	(29,383)	8,578	86.653	743,315	(114,814)	(10,928)	(125,742)
2031	(125,742)	(105,972)	(105,972)	(149,082)	4,289	89.253	382,807	2,011	(2,011)	(0)
Total		(5,546,435)	(6,232,787)	(515,348)	90,627		6,873,891		(180,142)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Roads - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$46.06	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	16,085	(25,302)	(25,302)	(11,011)	3,187	\$46.06	146,770	126,542	891	127,433
2021	127,433	(121,240)	(124,877)	(10,769)	3,187	47.441	151,173	142,960	1,690	144,650
2022	144,650	(412,950)	(438,098)	(10,538)	3,187	48.864	155,708	(148,278)	(59)	(148,337)
2023	(148,337)	(69,702)	(76,166)	(10,307)	3,187	50.330	160,380	(74,431)	(3,620)	(78,050)
2024	(78,050)	(133,547)	(150,308)	(10,084)	3,187	51.840	165,191	(73,252)	(2,459)	(75,711)
2025	(75,711)	(218,570)	(253,382)	(9,845)	3,187	53.395	170,147	(168,792)	(3,973)	(172,765)
2026	(172,765)	(386,444)	(461,434)	(9,614)	3,187	54.997	175,251	(468,562)	(10,422)	(478,983)
2027	(478,983)	(79,965)	(98,347)	(9,383)	3,187	56.647	180,509	(406,205)	(14,384)	(420,589)
2028	(420,589)	(50,752)	(64,291)	(9,158)	3,187	58.346	185,924	(308,114)	(11,841)	(319,955)
2029	(319,955)	(30,356)	(39,607)	(8,921)	3,187	60.096	191,502	(176,982)	(8,075)	(185,057)
2030	(185,057)	(80,168)	(80,168)	(8,690)	3,772	61.899	233,476	(40,439)	(3,664)	(44,103)
2031	(44,103)	(31,341)	(31,341)	(44,091)	1,886	63.756	120,240	705	(705)	0
Total		(1,640,335)	(1,843,321)	(152,412)	37,524		2,036,269		(56,621)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Transit - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$96.32	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	(194,922)	(57,970)	(57,970)		1,249	\$96.32	120,276	(132,616)	(5,322)	(137,938)
2021	(137,938)	(21,080)	(21,712)		1,249	99.21	123,885	(35,766)	(2,823)	(38,589)
2022	(38,589)	(226,015)	(239,779)		1,249	102.19	127,601	(150,767)	(3,077)	(153,844)
2023	(153,844)	(635,982)	(694,955)		1,249	105.25	131,429	(717,370)	(14,157)	(731,527)
2024	(731,527)	-	-		1,249	108.41	135,372	(596,155)	(21,575)	(617,730)
2025	(617,730)	-	-		1,249	111.66	139,433	(478,296)	(17,810)	(496,107)
2026	(496,107)	-	-		1,249	115.01	143,616	(352,490)	(13,790)	(366,280)
2027	(366,280)	(57,375)	(70,564)		1,249	118.46	147,925	(288,919)	(10,647)	(299,566)
2028	(299,566)	-	-		1,249	122.02	152,363	(147,204)	(7,260)	(154,464)
2029	(154,464)	-	-		1,249	125.68	156,933	2,470	(2,470)	0
Total		(998,422)	(1,084,981)	-	12,487		1,378,834		(98,931)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Transit - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$1.71	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(34,398)	(10,230)	(10,230)		12,411	\$1.71	21,225	(23,403)	(939)	(24,342)
2021	(24,342)	(3,720)	(3,832)		12,411	1.762	21,862	(6,312)	(498)	(6,810)
2022	(6,810)	(39,885)	(42,314)		12,411	1.814	22,518	(26,606)	(543)	(27,149)
2023	(27,149)	(112,232)	(122,639)		12,411	1.869	23,193	(126,595)	(2,498)	(129,093)
2024	(129,093)	-	-		12,411	1.925	23,889	(105,204)	(3,807)	(109,011)
2025	(109,011)	-	-		12,411	1.983	24,606	(84,405)	(3,143)	(87,548)
2026	(87,548)	-	-		12,411	2.042	25,344	(62,204)	(2,433)	(64,638)
2027	(64,638)	(10,125)	(12,452)		12,411	2.103	26,104	(50,986)	(1,879)	(52,865)
2028	(52,865)	-	-		12,411	2.166	26,888	(25,977)	(1,281)	(27,258)
2029	(27,258)	-	-		12,411	2.231	27,694	436	(436)	0
Total		(176,192)	(191,467)	-	124,109		243,324		(17,458)	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Transit - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.96	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(6,751)	(2,008)	(2,008)		4,350	\$0.96	4,166	(4,593)	(184)	(4,778)
2021	(4,778)	(730)	(752)		4,350	0.986	4,291	(1,239)	(98)	(1,337)
2022	(1,337)	(7,828)	(8,305)		4,350	1.016	4,420	(5,222)	(107)	(5,328)
2023	(5,328)	(22,027)	(24,070)		4,350	1.046	4,552	(24,846)	(490)	(25,337)
2024	(25,337)	-	-		4,350	1.078	4,689	(20,648)	(747)	(21,395)
2025	(21,395)	-	-		4,350	1.110	4,829	(16,566)	(617)	(17,183)
2026	(17,183)	-	-		4,350	1.143	4,974	(12,209)	(478)	(12,686)
2027	(12,686)	(1,987)	(2,444)		4,350	1.178	5,123	(10,007)	(369)	(10,376)
2028	(10,376)	-	-		4,350	1.213	5,277	(5,098)	(251)	(5,350)
2029	(5,350)	-	-		4,350	1.250	5,435	86	(86)	(0)
Total		(34,581)	(37,579)	-	43,501		47,756		(3,427)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Transit - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$2.30	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(21,347)	(6,349)	(6,349)		5,719	\$2.30	13,172	(14,523)	(583)	(15,106)
2021	(15,106)	(2,309)	(2,378)		5,719	2.372	13,567	(3,917)	(309)	(4,226)
2022	(4,226)	(24,752)	(26,259)		5,719	2.443	13,974	(16,511)	(337)	(16,848)
2023	(16,848)	(69,650)	(76,108)		5,719	2.517	14,393	(78,563)	(1,550)	(80,113)
2024	(80,113)	-	-		5,719	2.592	14,825	(65,288)	(2,363)	(67,651)
2025	(67,651)	-	-		5,719	2.670	15,270	(52,381)	(1,951)	(54,331)
2026	(54,331)	-	-		5,719	2.750	15,728	(38,603)	(1,510)	(40,113)
2027	(40,113)	(6,283)	(7,728)		5,719	2.832	16,200	(31,641)	(1,166)	(32,807)
2028	(32,807)	-	-		5,719	2.917	16,686	(16,121)	(795)	(16,916)
2029	(16,916)	-	-		5,719	3.005	17,187	270	(270)	0
Total		(109,342)	(118,822)	-	57,194		151,003		(10,834)	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Transit - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$1.65	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(6,300)	(1,874)	(1,874)		2,361	\$1.65	3,887	(4,286)	(172)	(4,458)
2021	(4,458)	(681)	(702)		2,361	1.696	4,004	(1,156)	(91)	(1,247)
2022	(1,247)	(7,305)	(7,750)		2,361	1.747	4,124	(4,873)	(99)	(4,972)
2023	(4,972)	(20,555)	(22,461)		2,361	1.799	4,248	(23,186)	(458)	(23,643)
2024	(23,643)	-	-		2,361	1.853	4,375	(19,268)	(697)	(19,965)
2025	(19,965)	-	-		2,361	1.909	4,507	(15,459)	(576)	(16,034)
2026	(16,034)	-	-		2,361	1.966	4,642	(11,393)	(446)	(11,838)
2027	(11,838)	(1,854)	(2,281)		2,361	2.025	4,781	(9,338)	(344)	(9,682)
2028	(9,682)	-	-		2,361	2.086	4,924	(4,758)	(235)	(4,992)
2029	(4,992)	-	-		2,361	2.149	5,072	80	(80)	0
Total		(32,269)	(35,067)	-	23,607		44,564		(3,197)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Parking - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$44.42	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	-	-	-		2,155	\$44.42	95,734	95,734	598	96,332
2021	96,332	(58,725)	(60,487)		2,155	45.76	98,606	134,451	1,442	135,894
2022	135,894	-	-		2,155	47.13	101,564	237,458	2,333	239,791
2023	239,791	-	-		2,155	48.54	104,611	344,402	3,651	348,053
2024	348,053	(827,105)	(930,914)		2,155	50.00	107,749	(475,111)	(2,065)	(477,176)
2025	(477,176)	-	-		2,155	51.50	110,982	(366,195)	(13,705)	(379,899)
2026	(379,899)	-	-		2,155	53.05	114,311	(265,588)	(10,489)	(276,077)
2027	(276,077)	-	-		2,155	54.64	117,740	(158,337)	(7,059)	(165,396)
2028	(165,396)	-	-		2,155	56.28	121,273	(44,123)	(3,405)	(47,528)
2029	(47,528)	(58,725)	(76,623)		2,155	57.96	124,911	760	(760)	(0)
Total		(944,555)	(1,068,023)	-	21,550		1,097,480		(29,457)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Parking - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.90	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	-	-	-	-	15,868	\$0.90	14,305	14,305	89	14,394
2021	14,394	(8,775)	(9,038)	-	15,868	0.929	14,734	20,090	216	20,306
2022	20,306	-	-	-	15,868	0.956	15,176	35,482	349	35,831
2023	35,831	-	-	-	15,868	0.985	15,632	51,462	546	52,008
2024	52,008	(123,590)	(139,102)	-	15,868	1.015	16,100	(70,994)	(309)	(71,302)
2025	(71,302)	-	-	-	15,868	1.045	16,583	(54,719)	(2,048)	(56,767)
2026	(56,767)	-	-	-	15,868	1.076	17,081	(39,686)	(1,567)	(41,253)
2027	(41,253)	-	-	-	15,868	1.109	17,593	(23,660)	(1,055)	(24,714)
2028	(24,714)	-	-	-	15,868	1.142	18,121	(6,593)	(509)	(7,102)
2029	(7,102)	(8,775)	(11,449)	-	15,868	1.176	18,665	114	(114)	0
Total		(141,140)	(159,590)	-	158,679		163,991		(4,402)	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Parking - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.49	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	-	-	-	-	4,905	\$0.49	2,417	2,417	15	2,432
2021	2,432	(1,483)	(1,527)	-	4,905	0.508	2,490	3,395	36	3,431
2022	3,431	-	-	-	4,905	0.523	2,564	5,995	59	6,054
2023	6,054	-	-	-	4,905	0.538	2,641	8,696	92	8,788
2024	8,788	(20,883)	(23,504)	-	4,905	0.555	2,721	(11,996)	(52)	(12,048)
2025	(12,048)	-	-	-	4,905	0.571	2,802	(9,246)	(346)	(9,592)
2026	(9,592)	-	-	-	4,905	0.588	2,886	(6,706)	(265)	(6,971)
2027	(6,971)	-	-	-	4,905	0.606	2,973	(3,998)	(178)	(4,176)
2028	(4,176)	-	-	-	4,905	0.624	3,062	(1,114)	(86)	(1,200)
2029	(1,200)	(1,483)	(1,935)	-	4,905	0.643	3,154	19	(19)	0
Total		(23,849)	(26,966)	-	49,053		27,710		(744)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Parking - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$1.18	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	-	-	-	-	7,776	\$1.18	9,196	9,196	57	9,254
2021	9,254	(5,641)	(5,810)	-	7,776	1.218	9,472	12,915	139	13,054
2022	13,054	-	-	-	7,776	1.255	9,756	22,810	224	23,034
2023	23,034	-	-	-	7,776	1.292	10,049	33,083	351	33,434
2024	33,434	(79,451)	(89,423)	-	7,776	1.331	10,350	(45,639)	(198)	(45,837)
2025	(45,837)	-	-	-	7,776	1.371	10,661	(35,176)	(1,316)	(36,493)
2026	(36,493)	-	-	-	7,776	1.412	10,981	(25,512)	(1,008)	(26,520)
2027	(26,520)	-	-	-	7,776	1.454	11,310	(15,210)	(678)	(15,888)
2028	(15,888)	-	-	-	7,776	1.498	11,649	(4,238)	(327)	(4,566)
2029	(4,566)	(5,641)	(7,360)	-	7,776	1.543	11,999	73	(73)	0
Total		(90,733)	(102,593)	-	77,760		105,423		(2,830)	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Parking - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.84	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	-	-	-	-	3,187	\$0.84	2,692	2,692	17	2,709
2021	2,709	(1,651)	(1,701)	-	3,187	0.870	2,773	3,780	41	3,821
2022	3,821	-	-	-	3,187	0.896	2,856	6,677	66	6,742
2023	6,742	-	-	-	3,187	0.923	2,941	9,684	103	9,786
2024	9,786	(23,256)	(26,175)	-	3,187	0.951	3,030	(13,359)	(58)	(13,417)
2025	(13,417)	-	-	-	3,187	0.979	3,121	(10,297)	(385)	(10,682)
2026	(10,682)	-	-	-	3,187	1.009	3,214	(7,468)	(295)	(7,763)
2027	(7,763)	-	-	-	3,187	1.039	3,311	(4,452)	(198)	(4,651)
2028	(4,651)	-	-	-	3,187	1.070	3,410	(1,241)	(96)	(1,336)
2029	(1,336)	(1,651)	(2,154)	-	3,187	1.102	3,512	21	(21)	0
Total		(26,559)	(30,030)	-	31,866		30,859		(828)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Airport - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$8.92	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	201,950	(10,728)	(10,728)		2,155	\$8.92	19,225	210,446	2,577	213,024
2021	213,024	(19,684)	(20,275)		2,155	9.19	19,801	212,551	2,660	215,210
2022	215,210	(32,813)	(34,811)		2,155	9.46	20,395	200,794	2,600	203,394
2023	203,394	(124,968)	(136,556)		2,155	9.75	21,007	87,846	1,820	89,666
2024	89,666	(149,429)	(168,183)		2,155	10.04	21,638	(56,879)	205	(56,674)
2025	(56,674)	(13,586)	(15,749)		2,155	10.34	22,287	(50,137)	(1,736)	(51,873)
2026	(51,873)	(32,483)	(38,786)		2,155	10.65	22,955	(67,703)	(1,943)	(69,647)
2027	(69,647)	-	-		2,155	10.97	23,644	(46,003)	(1,879)	(47,882)
2028	(47,882)	-	-		2,155	11.30	24,353	(23,529)	(1,160)	(24,689)
2029	(24,689)	-	-		2,155	11.64	25,084	395	(395)	0
Total		(383,690)	(425,089)	-	21,550		220,390		2,749	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Airport - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.18	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	30,176	(1,603)	(1,603)		15,868	\$0.18	2,873	31,446	385	31,831
2021	31,831	(2,941)	(3,030)		15,868	0.186	2,959	31,760	397	32,158
2022	32,158	(4,903)	(5,202)		15,868	0.192	3,048	30,004	389	30,392
2023	30,392	(18,673)	(20,405)		15,868	0.198	3,139	13,126	272	13,398
2024	13,398	(22,328)	(25,131)		15,868	0.204	3,233	(8,499)	31	(8,469)
2025	(8,469)	(2,030)	(2,353)		15,868	0.210	3,330	(7,492)	(259)	(7,751)
2026	(7,751)	(4,854)	(5,796)		15,868	0.216	3,430	(10,117)	(290)	(10,407)
2027	(10,407)	-	-		15,868	0.223	3,533	(6,874)	(281)	(7,155)
2028	(7,155)	-	-		15,868	0.229	3,639	(3,516)	(173)	(3,689)
2029	(3,689)	-	-		15,868	0.236	3,748	59	(59)	(0)
Total		(57,333)	(63,519)	-	158,679		32,932		411	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Airport - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.10	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	5,099	(271)	(271)		4,905	\$0.10	485	5,313	65	5,379
2021	5,379	(497)	(512)		4,905	0.102	500	5,367	67	5,434
2022	5,434	(828)	(879)		4,905	0.105	515	5,070	66	5,135
2023	5,135	(3,155)	(3,448)		4,905	0.108	530	2,218	46	2,264
2024	2,264	(3,773)	(4,246)		4,905	0.111	546	(1,436)	5	(1,431)
2025	(1,431)	(343)	(398)		4,905	0.115	563	(1,266)	(44)	(1,310)
2026	(1,310)	(820)	(979)		4,905	0.118	580	(1,709)	(49)	(1,758)
2027	(1,758)	-	-		4,905	0.122	597	(1,161)	(47)	(1,209)
2028	(1,209)	-	-		4,905	0.125	615	(594)	(29)	(623)
2029	(623)	-	-		4,905	0.129	633	10	(10)	0
Total		(9,688)	(10,733)	-	49,053		5,565		69	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Airport - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.24	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	19,399	(1,031)	(1,031)		7,776	\$0.24	1,847	20,215	248	20,463
2021	20,463	(1,891)	(1,948)		7,776	0.245	1,902	20,417	256	20,673
2022	20,673	(3,152)	(3,344)		7,776	0.252	1,959	19,288	250	19,538
2023	19,538	(12,004)	(13,117)		7,776	0.260	2,018	8,438	175	8,613
2024	8,613	(14,354)	(16,156)		7,776	0.267	2,078	(5,464)	20	(5,444)
2025	(5,444)	(1,305)	(1,513)		7,776	0.275	2,141	(4,816)	(167)	(4,983)
2026	(4,983)	(3,120)	(3,726)		7,776	0.284	2,205	(6,504)	(187)	(6,690)
2027	(6,690)	-	-		7,776	0.292	2,271	(4,419)	(181)	(4,599)
2028	(4,599)	-	-		7,776	0.301	2,339	(2,260)	(111)	(2,372)
2029	(2,372)	-	-		7,776	0.310	2,410	38	(38)	0
Total		(36,857)	(40,834)	-	77,760		21,170		264	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Airport - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.17	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	5,678	(302)	(302)		3,187	\$0.17	541	5,917	72	5,990
2021	5,990	(553)	(570)		3,187	0.175	557	5,976	75	6,051
2022	6,051	(923)	(979)		3,187	0.180	573	5,646	73	5,719
2023	5,719	(3,514)	(3,840)		3,187	0.185	591	2,470	51	2,521
2024	2,521	(4,202)	(4,729)		3,187	0.191	608	(1,599)	6	(1,594)
2025	(1,594)	(382)	(443)		3,187	0.197	627	(1,410)	(49)	(1,459)
2026	(1,459)	(913)	(1,091)		3,187	0.203	645	(1,904)	(55)	(1,958)
2027	(1,958)	-	-		3,187	0.209	665	(1,293)	(53)	(1,346)
2028	(1,346)	-	-		3,187	0.215	685	(662)	(33)	(694)
2029	(694)	-	-		3,187	0.221	705	11	(11)	0
Total		(10,788)	(11,952)	-	31,866		6,197		77	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Parks & Recreation - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$266.57	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	(1,212,756)	(2,172,761)	(2,172,761)		2,155	\$266.57	574,459	(2,811,058)	(65,387)	(2,876,445)
2021	(2,876,445)	(491,989)	(506,749)		2,155	274.57	591,693	(2,791,502)	(92,104)	(2,883,606)
2022	(2,883,606)	(290,315)	(307,995)		2,155	282.81	609,443	(2,582,158)	(88,819)	(2,670,976)
2023	(2,670,976)	(72,675)	(79,414)		2,155	291.29	627,727	(2,122,664)	(77,897)	(2,200,560)
2024	(2,200,560)	(225,806)	(254,146)		2,155	300.03	646,559	(1,808,148)	(65,142)	(1,873,289)
2025	(1,873,289)	(457,425)	(530,281)		2,155	309.03	665,955	(1,737,615)	(58,677)	(1,796,292)
2026	(1,796,292)	(128,250)	(153,137)		2,155	318.30	685,934	(1,263,495)	(49,722)	(1,313,217)
2027	(1,313,217)	(393,636)	(484,123)		2,155	327.85	706,512	(1,090,828)	(39,066)	(1,129,894)
2028	(1,129,894)	(150,053)	(190,082)		2,155	337.69	727,707	(592,268)	(27,985)	(620,253)
2029	(620,253)	(91,485)	(119,367)		2,155	347.82	749,539	9,918	(9,918)	(0)
Total		(4,474,394)	(4,798,055)	-	21,550		6,585,527		(574,715)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Parks & Recreation - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$1.91	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(63,829)	(114,356)	(114,356)		15,868	\$1.91	30,235	(147,950)	(3,441)	(151,392)
2021	(151,392)	(25,894)	(26,671)		15,868	1.963	31,142	(146,921)	(4,848)	(151,769)
2022	(151,769)	(15,280)	(16,210)		15,868	2.021	32,076	(135,903)	(4,675)	(140,578)
2023	(140,578)	(3,825)	(4,180)		15,868	2.082	33,038	(111,719)	(4,100)	(115,819)
2024	(115,819)	(11,885)	(13,376)		15,868	2.145	34,029	(95,166)	(3,429)	(98,594)
2025	(98,594)	(24,075)	(27,910)		15,868	2.209	35,050	(91,453)	(3,088)	(94,542)
2026	(94,542)	(6,750)	(8,060)		15,868	2.275	36,102	(66,500)	(2,617)	(69,117)
2027	(69,117)	(20,718)	(25,480)		15,868	2.343	37,185	(57,412)	(2,056)	(59,468)
2028	(59,468)	(7,898)	(10,004)		15,868	2.414	38,300	(31,172)	(1,473)	(32,645)
2029	(32,645)	(4,815)	(6,282)		15,868	2.486	39,449	522	(522)	(0)
Total		(235,494)	(252,529)	-	158,679		346,607		(30,248)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Library - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$136.65	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	(15,812)	(550,735)	(550,735)		2,155	\$136.65	294,466	(272,081)	(4,678)	(276,759)
2021	(276,759)	(1,042,360)	(1,073,631)		2,155	140.74	303,300	(1,047,090)	(21,513)	(1,068,602)
2022	(1,068,602)	(115,896)	(122,954)		2,155	144.97	312,399	(879,157)	(31,651)	(910,808)
2023	(910,808)	(312,546)	(341,528)		2,155	149.32	321,771	(930,565)	(29,922)	(960,487)
2024	(960,487)	(115,896)	(130,442)		2,155	153.80	331,424	(759,505)	(27,950)	(787,455)
2025	(787,455)	(115,896)	(134,356)		2,155	158.41	341,367	(580,443)	(22,228)	(602,671)
2026	(602,671)	(289,262)	(345,394)		2,155	163.16	351,608	(596,457)	(19,486)	(615,943)
2027	(615,943)	(115,896)	(142,538)		2,155	168.06	362,156	(396,324)	(16,449)	(412,774)
2028	(412,774)	(141,546)	(179,307)		2,155	173.10	373,021	(219,059)	(10,267)	(229,326)
2029	(229,326)	(115,896)	(151,218)		2,155	178.29	384,212	3,667	(3,667)	0
Total		(2,915,932)	(3,172,103)	-	21,550		3,375,727		(187,812)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Library - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$0.98	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(832)	(28,986)	(28,986)		15,868	\$0.98	15,498	(14,320)	(246)	(14,566)
2021	(14,566)	(54,861)	(56,507)		15,868	1.006	15,963	(55,110)	(1,132)	(56,242)
2022	(56,242)	(6,100)	(6,471)		15,868	1.036	16,442	(46,271)	(1,666)	(47,937)
2023	(47,937)	(16,450)	(17,975)		15,868	1.067	16,935	(48,977)	(1,575)	(50,552)
2024	(50,552)	(6,100)	(6,865)		15,868	1.099	17,443	(39,974)	(1,471)	(41,445)
2025	(41,445)	(6,100)	(7,071)		15,868	1.132	17,967	(30,550)	(1,170)	(31,720)
2026	(31,720)	(15,224)	(18,179)		15,868	1.166	18,506	(31,392)	(1,026)	(32,418)
2027	(32,418)	(6,100)	(7,502)		15,868	1.201	19,061	(20,859)	(866)	(21,725)
2028	(21,725)	(7,450)	(9,437)		15,868	1.237	19,633	(11,529)	(540)	(12,070)
2029	(12,070)	(6,100)	(7,959)		15,868	1.274	20,222	193	(193)	0
Total		(153,470)	(166,953)	-	158,679		177,670		(9,885)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Paramedic - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$76.40	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	75,364	(316,044)	(316,044)		2,155	\$76.40	164,649	(76,031)	(11)	(76,041)
2021	(76,041)	-	-		2,155	78.70	169,588	93,547	109	93,656
2022	93,656	(487,594)	(517,288)		2,155	81.06	174,676	(248,956)	(2,524)	(251,480)
2023	(251,480)	-	-		2,155	83.49	179,916	(71,564)	(5,249)	(76,813)
2024	(76,813)	(208,670)	(234,859)		2,155	85.99	185,314	(126,359)	(3,302)	(129,660)
2025	(129,660)	(125,280)	(145,234)		2,155	88.57	190,873	(84,021)	(3,472)	(87,493)
2026	(87,493)	(208,670)	(249,162)		2,155	91.23	196,599	(140,056)	(3,698)	(143,754)
2027	(143,754)	(165,833)	(203,954)		2,155	93.97	202,497	(145,211)	(4,696)	(149,906)
2028	(149,906)	(208,670)	(264,336)		2,155	96.79	208,572	(205,670)	(5,778)	(211,448)
2029	(211,448)	-	-		2,155	99.69	214,829	3,381	(3,381)	0
Total		(1,720,759)	(1,930,878)	-	21,550		1,887,515		(32,001)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Paramedic - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$1.55	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	11,261	(47,225)	(47,225)		15,868	\$1.55	24,603	(11,361)	(2)	(11,363)
2021	(11,363)	-	-		15,868	1.597	25,341	13,978	16	13,995
2022	13,995	(72,859)	(77,296)		15,868	1.645	26,101	(37,200)	(377)	(37,577)
2023	(37,577)	-	-		15,868	1.694	26,884	(10,693)	(784)	(11,478)
2024	(11,478)	(31,181)	(35,094)		15,868	1.745	27,691	(18,881)	(493)	(19,375)
2025	(19,375)	(18,720)	(21,702)		15,868	1.797	28,521	(12,555)	(519)	(13,074)
2026	(13,074)	(31,181)	(37,231)		15,868	1.851	29,377	(20,928)	(553)	(21,480)
2027	(21,480)	(24,780)	(30,476)		15,868	1.907	30,258	(21,698)	(702)	(22,400)
2028	(22,400)	(31,181)	(39,499)		15,868	1.964	31,166	(30,732)	(863)	(31,596)
2029	(31,596)	-	-		15,868	2.023	32,101	505	(505)	(0)
Total		(257,125)	(288,522)	-	158,679		282,042		(4,782)	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Paramedic - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.85	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	1,903	(7,980)	(7,980)		4,905	\$0.85	4,157	(1,920)	(0)	(1,920)
2021	(1,920)	-	-		4,905	0.873	4,282	2,362	3	2,365
2022	2,365	(12,311)	(13,061)		4,905	0.899	4,410	(6,286)	(64)	(6,349)
2023	(6,349)	-	-		4,905	0.926	4,543	(1,807)	(133)	(1,939)
2024	(1,939)	(5,269)	(5,930)		4,905	0.954	4,679	(3,190)	(83)	(3,274)
2025	(3,274)	(3,163)	(3,667)		4,905	0.982	4,819	(2,121)	(88)	(2,209)
2026	(2,209)	(5,269)	(6,291)		4,905	1.012	4,964	(3,536)	(93)	(3,630)
2027	(3,630)	(4,187)	(5,150)		4,905	1.042	5,113	(3,666)	(119)	(3,785)
2028	(3,785)	(5,269)	(6,674)		4,905	1.074	5,266	(5,193)	(146)	(5,339)
2029	(5,339)	-	-		4,905	1.106	5,424	85	(85)	0
Total		(43,447)	(48,752)	-	49,053		47,657		(808)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Paramedic - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$2.03	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	7,239	(30,359)	(30,359)		7,776	\$2.03	15,816	(7,303)	(1)	(7,304)
2021	(7,304)	-	-		7,776	2.095	16,291	8,986	11	8,997
2022	8,997	(46,838)	(49,690)		7,776	2.158	16,779	(23,915)	(242)	(24,157)
2023	(24,157)	-	-		7,776	2.223	17,283	(6,874)	(504)	(7,379)
2024	(7,379)	(20,045)	(22,560)		7,776	2.289	17,801	(12,138)	(317)	(12,455)
2025	(12,455)	(12,034)	(13,951)		7,776	2.358	18,335	(8,071)	(334)	(8,405)
2026	(8,405)	(20,045)	(23,934)		7,776	2.429	18,885	(13,454)	(355)	(13,809)
2027	(13,809)	(15,930)	(19,592)		7,776	2.502	19,452	(13,949)	(451)	(14,400)
2028	(14,400)	(20,045)	(25,392)		7,776	2.577	20,035	(19,756)	(555)	(20,312)
2029	(20,312)	-	-		7,776	2.654	20,636	325	(325)	0
Total		(165,295)	(185,478)	-	77,760		181,313		(3,074)	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Paramedic - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$1.45	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	2,119	(8,886)	(8,886)		3,187	\$1.45	4,630	(2,138)	(0)	(2,138)
2021	(2,138)	-	-		3,187	1.496	4,768	2,630	3	2,633
2022	2,633	(13,710)	(14,545)		3,187	1.541	4,911	(7,000)	(71)	(7,071)
2023	(7,071)	-	-		3,187	1.588	5,059	(2,012)	(148)	(2,160)
2024	(2,160)	(5,867)	(6,604)		3,187	1.635	5,211	(3,553)	(93)	(3,646)
2025	(3,646)	(3,523)	(4,084)		3,187	1.684	5,367	(2,362)	(98)	(2,460)
2026	(2,460)	(5,867)	(7,006)		3,187	1.735	5,528	(3,938)	(104)	(4,042)
2027	(4,042)	(4,663)	(5,735)		3,187	1.787	5,694	(4,083)	(132)	(4,215)
2028	(4,215)	(5,867)	(7,433)		3,187	1.840	5,865	(5,783)	(162)	(5,945)
2029	(5,945)	-	-		3,187	1.896	6,041	95	(95)	0
Total		(48,384)	(54,292)	-	31,866		53,072		(900)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - By-Law Enforcement - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$5.76	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	-	(5,382)	(5,382)		2,155	\$5.76	12,415	7,034	44	7,078
2021	7,078	(72,720)	(74,901)		2,155	5.93	12,788	(55,036)	(779)	(55,815)
2022	(55,815)	(5,382)	(5,709)		2,155	6.11	13,171	(48,353)	(1,693)	(50,046)
2023	(50,046)	(7,731)	(8,447)		2,155	6.30	13,567	(44,926)	(1,543)	(46,470)
2024	(46,470)	(5,382)	(6,057)		2,155	6.48	13,974	(38,553)	(1,382)	(39,935)
2025	(39,935)	(5,382)	(6,239)		2,155	6.68	14,393	(31,781)	(1,165)	(32,946)
2026	(32,946)	(5,382)	(6,426)		2,155	6.88	14,825	(24,547)	(934)	(25,482)
2027	(25,482)	(5,382)	(6,619)		2,155	7.09	15,269	(16,831)	(688)	(17,519)
2028	(17,519)	(5,382)	(6,817)		2,155	7.30	15,727	(8,608)	(425)	(9,033)
2029	(9,033)	(5,382)	(7,022)		2,155	7.52	16,199	144	(144)	0
Total		(123,503)	(133,619)	-	21,550		142,328		(8,709)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - By-Law Enforcement - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.12	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	-	(804)	(804)		15,868	\$0.12	1,855	1,051	7	1,058
2021	1,058	(10,866)	(11,192)		15,868	0.120	1,911	(8,224)	(116)	(8,340)
2022	(8,340)	(804)	(853)		15,868	0.124	1,968	(7,225)	(253)	(7,478)
2023	(7,478)	(1,155)	(1,262)		15,868	0.128	2,027	(6,713)	(231)	(6,944)
2024	(6,944)	(804)	(905)		15,868	0.132	2,088	(5,761)	(206)	(5,967)
2025	(5,967)	(804)	(932)		15,868	0.136	2,151	(4,749)	(174)	(4,923)
2026	(4,923)	(804)	(960)		15,868	0.140	2,215	(3,668)	(140)	(3,808)
2027	(3,808)	(804)	(989)		15,868	0.144	2,282	(2,515)	(103)	(2,618)
2028	(2,618)	(804)	(1,019)		15,868	0.148	2,350	(1,286)	(63)	(1,350)
2029	(1,350)	(804)	(1,049)		15,868	0.153	2,421	22	(22)	0
Total		(18,454)	(19,966)	-	158,679		21,267		(1,301)	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - By-Law Enforcement - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.06	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	-	(136)	(136)		4,905	\$0.06	313	178	1	179
2021	179	(1,836)	(1,891)		4,905	0.066	323	(1,390)	(20)	(1,409)
2022	(1,409)	(136)	(144)		4,905	0.068	333	(1,221)	(43)	(1,264)
2023	(1,264)	(195)	(213)		4,905	0.070	343	(1,134)	(39)	(1,173)
2024	(1,173)	(136)	(153)		4,905	0.072	353	(973)	(35)	(1,008)
2025	(1,008)	(136)	(158)		4,905	0.074	363	(802)	(29)	(832)
2026	(832)	(136)	(162)		4,905	0.076	374	(620)	(24)	(643)
2027	(643)	(136)	(167)		4,905	0.079	386	(425)	(17)	(442)
2028	(442)	(136)	(172)		4,905	0.081	397	(217)	(11)	(228)
2029	(228)	(136)	(177)		4,905	0.083	409	4	(4)	0
Total		(3,118)	(3,374)	-	49,053		3,594		(220)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - By-Law Enforcement - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.15	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	-	(517)	(517)		7,776	\$0.15	1,193	676	4	680
2021	680	(6,985)	(7,195)		7,776	0.158	1,228	(5,287)	(75)	(5,362)
2022	(5,362)	(517)	(548)		7,776	0.163	1,265	(4,645)	(163)	(4,807)
2023	(4,807)	(743)	(811)		7,776	0.168	1,303	(4,316)	(148)	(4,464)
2024	(4,464)	(517)	(582)		7,776	0.173	1,342	(3,703)	(133)	(3,836)
2025	(3,836)	(517)	(599)		7,776	0.178	1,383	(3,053)	(112)	(3,165)
2026	(3,165)	(517)	(617)		7,776	0.183	1,424	(2,358)	(90)	(2,448)
2027	(2,448)	(517)	(636)		7,776	0.189	1,467	(1,617)	(66)	(1,683)
2028	(1,683)	(517)	(655)		7,776	0.194	1,511	(827)	(41)	(868)
2029	(868)	(517)	(675)		7,776	0.200	1,556	14	(14)	0
Total		(11,864)	(12,835)	-	77,760		13,672		(837)	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - By-Law Enforcement - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.11	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	-	(151)	(151)		3,187	\$0.11	349	198	1	199
2021	199	(2,045)	(2,106)		3,187	0.113	360	(1,547)	(22)	(1,569)
2022	(1,569)	(151)	(161)		3,187	0.116	370	(1,360)	(48)	(1,407)
2023	(1,407)	(217)	(238)		3,187	0.120	381	(1,263)	(43)	(1,307)
2024	(1,307)	(151)	(170)		3,187	0.123	393	(1,084)	(39)	(1,123)
2025	(1,123)	(151)	(175)		3,187	0.127	405	(894)	(33)	(926)
2026	(926)	(151)	(181)		3,187	0.131	417	(690)	(26)	(716)
2027	(716)	(151)	(186)		3,187	0.135	429	(473)	(19)	(493)
2028	(493)	(151)	(192)		3,187	0.139	442	(242)	(12)	(254)
2029	(254)	(151)	(197)		3,187	0.143	455	4	(4)	0
Total		(3,473)	(3,757)	-	31,866		4,002		(245)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Social Housing - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$82.64	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	840,337	(166,131)	(166,131)		2,155	\$82.64	178,094	852,300	10,579	862,879
2021	862,879	-	-		2,155	85.12	183,436	1,046,315	11,932	1,058,248
2022	1,058,248	(332,262)	(352,497)		2,155	87.68	188,939	894,690	12,206	906,896
2023	906,896	-	-		2,155	90.31	194,608	1,101,503	12,552	1,114,056
2024	1,114,056	(996,787)	(1,121,893)		2,155	93.02	200,446	192,609	8,167	200,775
2025	200,775	(206,176)	(239,015)		2,155	95.81	206,459	168,220	2,306	170,526
2026	170,526	(206,176)	(246,185)		2,155	98.68	212,653	136,994	1,922	138,916
2027	138,916	(206,176)	(253,571)		2,155	101.64	219,033	104,379	1,521	105,899
2028	105,899	(206,176)	(261,178)		2,155	104.69	225,604	70,325	1,101	71,426
2029	71,426	(233,176)	(304,242)		2,155	107.83	232,372	(444)	444	(0)
Total		(2,553,061)	(2,944,711)	-	21,550		2,041,643		62,730	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Waste Diversion - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$25.70	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	-	(62,018)	(62,018)		2,155	\$25.70	55,392	(6,626)	(108)	(6,733)
2021	(6,733)	(49,836)	(51,331)		2,155	26.48	57,054	(1,011)	(126)	(1,137)
2022	(1,137)	(49,836)	(52,871)		2,155	27.27	58,766	4,758	23	4,781
2023	4,781	(74,200)	(81,081)		2,155	28.09	60,529	(15,771)	(179)	(15,950)
2024	(15,950)	(59,232)	(66,666)		2,155	28.93	62,345	(20,272)	(589)	(20,860)
2025	(20,860)	(49,836)	(57,774)		2,155	29.80	64,215	(14,419)	(573)	(14,992)
2026	(14,992)	(49,836)	(59,507)		2,155	30.69	66,141	(8,358)	(379)	(8,738)
2027	(8,738)	(49,836)	(61,292)		2,155	31.61	68,126	(1,904)	(173)	(2,077)
2028	(2,077)	(49,836)	(63,131)		2,155	32.56	70,169	4,961	18	4,979
2029	4,979	(59,232)	(77,285)		2,155	33.54	72,275	(31)	31	(0)
Total		(553,701)	(632,957)	-	21,550		635,012		(2,055)	

Note: Numbers may not add due to rounding



City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Waste Diversion - Non-Residential (Uniform)

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.52	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	-	(9,267)	(9,267)		15,868	\$0.52	8,277	(990)	(16)	(1,006)
2021	(1,006)	(7,447)	(7,670)		15,868	0.537	8,525	(151)	(19)	(170)
2022	(170)	(7,447)	(7,900)		15,868	0.553	8,781	711	3	714
2023	714	(11,087)	(12,115)		15,868	0.570	9,045	(2,357)	(27)	(2,383)
2024	(2,383)	(8,851)	(9,962)		15,868	0.587	9,316	(3,029)	(88)	(3,117)
2025	(3,117)	(7,447)	(8,633)		15,868	0.605	9,595	(2,155)	(86)	(2,240)
2026	(2,240)	(7,447)	(8,892)		15,868	0.623	9,883	(1,249)	(57)	(1,306)
2027	(1,306)	(7,447)	(9,159)		15,868	0.642	10,180	(285)	(26)	(310)
2028	(310)	(7,447)	(9,433)		15,868	0.661	10,485	741	3	744
2029	744	(8,851)	(11,548)		15,868	0.681	10,800	(5)	5	0
Total		(82,737)	(94,580)	-	158,679		94,887		(307)	

Note: Numbers may not add due to rounding

City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Waste Diversion - Non-Residential (Industrial)

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.29	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	-	(1,566)	(1,566)		4,905	\$0.29	1,399	(167)	(3)	(170)
2021	(170)	(1,258)	(1,296)		4,905	0.294	1,441	(26)	(3)	(29)
2022	(29)	(1,258)	(1,335)		4,905	0.302	1,484	120	1	121
2023	121	(1,873)	(2,047)		4,905	0.312	1,528	(398)	(5)	(403)
2024	(403)	(1,496)	(1,683)		4,905	0.321	1,574	(512)	(15)	(527)
2025	(527)	(1,258)	(1,459)		4,905	0.331	1,621	(364)	(14)	(379)
2026	(379)	(1,258)	(1,502)		4,905	0.340	1,670	(211)	(10)	(221)
2027	(221)	(1,258)	(1,548)		4,905	0.351	1,720	(48)	(4)	(52)
2028	(52)	(1,258)	(1,594)		4,905	0.361	1,772	125	0	126
2029	126	(1,496)	(1,951)		4,905	0.372	1,825	(1)	1	0
Total		(13,980)	(15,981)	-	49,053		16,033		(52)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Waste Diversion - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.68	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	-	(5,957)	(5,957)		7,776	\$0.68	5,321	(636)	(10)	(647)
2021	(647)	(4,787)	(4,931)		7,776	0.705	5,481	(97)	(12)	(109)
2022	(109)	(4,787)	(5,079)		7,776	0.726	5,645	457	2	459
2023	459	(7,128)	(7,789)		7,776	0.748	5,814	(1,515)	(17)	(1,532)
2024	(1,532)	(5,690)	(6,404)		7,776	0.770	5,989	(1,947)	(57)	(2,004)
2025	(2,004)	(4,787)	(5,550)		7,776	0.793	6,168	(1,385)	(55)	(1,440)
2026	(1,440)	(4,787)	(5,716)		7,776	0.817	6,353	(803)	(36)	(839)
2027	(839)	(4,787)	(5,888)		7,776	0.842	6,544	(183)	(17)	(200)
2028	(200)	(4,787)	(6,064)		7,776	0.867	6,740	477	2	478
2029	478	(5,690)	(7,424)		7,776	0.893	6,943	(3)	3	0
Total		(53,188)	(60,801)	-	77,760		60,999		(197)	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Waste Diversion - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$0.49	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	-	(1,744)	(1,744)		3,187	\$0.49	1,558	(186)	(3)	(189)
2021	(189)	(1,401)	(1,443)		3,187	0.503	1,604	(28)	(4)	(32)
2022	(32)	(1,401)	(1,487)		3,187	0.519	1,652	134	1	134
2023	134	(2,086)	(2,280)		3,187	0.534	1,702	(443)	(5)	(448)
2024	(448)	(1,665)	(1,875)		3,187	0.550	1,753	(570)	(17)	(587)
2025	(587)	(1,401)	(1,624)		3,187	0.567	1,806	(405)	(16)	(422)
2026	(422)	(1,401)	(1,673)		3,187	0.584	1,860	(235)	(11)	(246)
2027	(246)	(1,401)	(1,723)		3,187	0.601	1,916	(54)	(5)	(58)
2028	(58)	(1,401)	(1,775)		3,187	0.619	1,973	139	1	140
2029	140	(1,665)	(2,173)		3,187	0.638	2,032	(1)	1	0
Total		(15,569)	(17,797)	-	31,866		17,855		(58)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Administration Studies - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$145.56	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	(2,199,111)	(338,606)	(338,606)		2,155	\$145.56	313,675	(2,224,041)	(71,876)	(2,295,917)
2021	(2,295,917)	(39,150)	(40,325)		2,155	149.93	323,085	(2,013,156)	(70,022)	(2,083,179)
2022	(2,083,179)	-	-		2,155	154.42	332,778	(1,750,401)	(62,296)	(1,812,696)
2023	(1,812,696)	(103,706)	(113,322)		2,155	159.06	342,761	(1,583,257)	(55,184)	(1,638,441)
2024	(1,638,441)	-	-		2,155	163.83	353,044	(1,285,397)	(47,512)	(1,332,909)
2025	(1,332,909)	(234,900)	(272,313)		2,155	168.74	363,636	(1,241,587)	(41,836)	(1,283,423)
2026	(1,283,423)	(48,896)	(58,384)		2,155	173.81	374,545	(967,262)	(36,574)	(1,003,836)
2027	(1,003,836)	(54,810)	(67,409)		2,155	179.02	385,781	(685,464)	(27,451)	(712,915)
2028	(712,915)	(54,810)	(69,432)		2,155	184.39	397,354	(384,993)	(17,841)	(402,834)
2029	(402,834)	-	-		2,155	189.92	409,275	6,441	(6,441)	0
Total		(874,877)	(959,790)	-	21,550		3,595,935		(437,034)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Administration Studies - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$2.95	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(328,603)	(50,596)	(50,596)		15,868	\$2.95	46,871	(332,328)	(10,740)	(343,068)
2021	(343,068)	(5,850)	(6,026)		15,868	3.042	48,277	(300,816)	(10,463)	(311,280)
2022	(311,280)	-	-		15,868	3.134	49,725	(261,554)	(9,309)	(270,863)
2023	(270,863)	(15,496)	(16,933)		15,868	3.228	51,217	(236,579)	(8,246)	(244,825)
2024	(244,825)	-	-		15,868	3.325	52,754	(192,071)	(7,100)	(199,170)
2025	(199,170)	(35,100)	(40,691)		15,868	3.424	54,336	(185,525)	(6,251)	(191,776)
2026	(191,776)	(7,306)	(8,724)		15,868	3.527	55,966	(144,533)	(5,465)	(149,998)
2027	(149,998)	(8,190)	(10,073)		15,868	3.633	57,645	(102,426)	(4,102)	(106,528)
2028	(106,528)	(8,190)	(10,375)		15,868	3.742	59,375	(57,528)	(2,666)	(60,194)
2029	(60,194)	-	-		15,868	3.854	61,156	963	(963)	(0)
Total		(130,729)	(143,417)	-	158,679		537,324		(65,304)	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Administration Studies - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$1.61	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(55,524)	(8,549)	(8,549)		4,905	\$1.61	7,920	(56,154)	(1,815)	(57,968)
2021	(57,968)	(988)	(1,018)		4,905	1.663	8,157	(50,829)	(1,768)	(52,597)
2022	(52,597)	-	-		4,905	1.713	8,402	(44,195)	(1,573)	(45,768)
2023	(45,768)	(2,618)	(2,861)		4,905	1.764	8,654	(39,975)	(1,393)	(41,368)
2024	(41,368)	-	-		4,905	1.817	8,914	(32,454)	(1,200)	(33,654)
2025	(33,654)	(5,931)	(6,876)		4,905	1.872	9,181	(31,348)	(1,056)	(32,405)
2026	(32,405)	(1,235)	(1,474)		4,905	1.928	9,457	(24,422)	(923)	(25,345)
2027	(25,345)	(1,384)	(1,702)		4,905	1.986	9,740	(17,307)	(693)	(18,000)
2028	(18,000)	(1,384)	(1,753)		4,905	2.045	10,033	(9,720)	(450)	(10,171)
2029	(10,171)	-	-		4,905	2.107	10,334	163	(163)	(0)
Total		(22,089)	(24,233)	-	49,053		90,792		(11,034)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Administration Studies - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$3.87	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	(211,245)	(32,526)	(32,526)		7,776	\$3.87	30,131	(213,639)	(6,904)	(220,544)
2021	(220,544)	(3,761)	(3,874)		7,776	3.991	31,035	(193,382)	(6,726)	(200,108)
2022	(200,108)	-	-		7,776	4.111	31,966	(168,142)	(5,984)	(174,126)
2023	(174,126)	(9,962)	(10,886)		7,776	4.234	32,925	(152,086)	(5,301)	(157,387)
2024	(157,387)	-	-		7,776	4.361	33,913	(123,474)	(4,564)	(128,038)
2025	(128,038)	(22,564)	(26,158)		7,776	4.492	34,931	(119,266)	(4,019)	(123,284)
2026	(123,284)	(4,697)	(5,608)		7,776	4.627	35,978	(92,914)	(3,513)	(96,428)
2027	(96,428)	(5,265)	(6,475)		7,776	4.766	37,058	(65,845)	(2,637)	(68,482)
2028	(68,482)	(5,265)	(6,670)		7,776	4.909	38,170	(36,982)	(1,714)	(38,696)
2029	(38,696)	-	-		7,776	5.056	39,315	619	(619)	0
Total		(84,040)	(92,197)	-	77,760		345,422		(41,981)	

Note: Numbers may not add due to rounding

**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Administration Studies - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$2.77	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25% D.C. Reserve Fund Interest Earnings / (Cost)	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021				
2020	(61,834)	(9,521)	(9,521)		3,187	\$2.77	8,820	(62,535)	(2,021)	(64,556)
2021	(64,556)	(1,101)	(1,134)		3,187	2.851	9,084	(56,605)	(1,969)	(58,574)
2022	(58,574)	-	-		3,187	2.936	9,357	(49,217)	(1,752)	(50,969)
2023	(50,969)	(2,916)	(3,186)		3,187	3.024	9,638	(44,517)	(1,552)	(46,069)
2024	(46,069)	-	-		3,187	3.115	9,927	(36,142)	(1,336)	(37,478)
2025	(37,478)	(6,605)	(7,657)		3,187	3.209	10,225	(34,911)	(1,176)	(36,087)
2026	(36,087)	(1,375)	(1,642)		3,187	3.305	10,531	(27,197)	(1,028)	(28,226)
2027	(28,226)	(1,541)	(1,895)		3,187	3.404	10,847	(19,274)	(772)	(20,046)
2028	(20,046)	(1,541)	(1,952)		3,187	3.506	11,173	(10,825)	(502)	(11,327)
2029	(11,327)	-	-		3,187	3.611	11,508	181	(181)	(0)
Total		(24,599)	(26,987)	-	31,866		101,109		(12,288)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Wastewater Treatment - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$1,629.90	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	5,713,557	(10,999,263)	(10,999,263)	(247,607)	1,636	\$1,629.90	2,667,087	(2,866,226)	17,796	(2,848,430)
2021	(2,848,430)	(2,346,628)	(2,417,027)	(242,948)	1,636	1,678.80	2,747,100	(2,761,305)	(91,158)	(2,852,463)
2022	(2,852,463)	(1,086,911)	(1,153,104)	(238,497)	1,636	1,729.16	2,829,513	(1,414,552)	(69,339)	(1,483,891)
2023	(1,483,891)	-	-	(219,069)	1,636	1,781.04	2,914,398	1,211,439	(4,427)	1,207,012
2024	1,207,012	(5,375,152)	(6,049,781)	(214,776)	1,636	1,834.47	3,001,830	(2,055,715)	(13,791)	(2,069,506)
2025	(2,069,506)	(13,462,389)	(15,606,598)	(210,166)	1,636	1,889.50	3,091,885	(14,794,386)	(274,038)	(15,068,424)
2026	(15,068,424)	(258,000)	(308,065)	(205,715)	1,636	1,946.19	3,184,642	(12,397,563)	(446,322)	(12,843,885)
2027	(12,843,885)	-	-	(191,281)	1,636	2,004.57	3,280,181	(9,754,985)	(367,232)	(10,122,217)
2028	(10,122,217)	-	-	(177,370)	1,636	2,064.71	3,378,586	(6,921,000)	(276,952)	(7,197,952)
2029	(7,197,952)	-	-	(172,809)	1,636	2,126.65	3,479,944	(3,890,817)	(180,193)	(4,071,010)
2030	(4,071,010)	-	-	(167,421)	1,846	2,190.45	4,042,815	(195,615)	(69,333)	(264,948)
2031	(264,948)	(963,421)	(963,421)	(849,444)	923	2,256.16	2,082,050	4,237	(4,237)	0
Total		(34,491,765)	(37,497,260)	(3,137,103)	19,132		36,700,033		(1,779,226)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Wastewater Treatment - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$28.24	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	930,114	(1,790,578)	(1,790,578)	(40,308)	15,424	\$28.24	435,571	(465,201)	2,906	(462,295)
2021	(462,295)	(382,009)	(393,470)	(39,550)	15,424	29.087	448,638	(446,676)	(14,771)	(461,447)
2022	(461,447)	(176,939)	(187,715)	(38,825)	15,424	29.960	462,097	(225,889)	(11,169)	(237,058)
2023	(237,058)	-	-	(35,662)	15,424	30.859	475,960	203,240	(550)	202,690
2024	202,690	(875,025)	(984,848)	(34,964)	15,424	31.785	490,239	(326,882)	(2,018)	(328,900)
2025	(328,900)	(2,191,552)	(2,540,609)	(34,213)	15,424	32.738	504,946	(2,398,776)	(44,325)	(2,443,101)
2026	(2,443,101)	(42,000)	(50,150)	(33,489)	15,424	33.720	520,095	(2,006,645)	(72,308)	(2,078,953)
2027	(2,078,953)	-	-	(31,139)	15,424	34.732	535,698	(1,574,394)	(59,367)	(1,633,761)
2028	(1,633,761)	-	-	(28,874)	15,424	35.774	551,769	(1,110,867)	(44,600)	(1,155,467)
2029	(1,155,467)	-	-	(28,132)	15,424	36.847	568,322	(615,277)	(28,775)	(644,052)
2030	(644,052)	-	-	(27,255)	17,007	37.953	645,476	(25,830)	(10,886)	(36,716)
2031	(36,716)	(156,836)	(156,836)	(138,282)	8,504	39.091	332,420	587	(587)	(0)
Total		(5,614,938)	(6,104,205)	(510,691)	179,749		5,971,232		(286,449)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Wastewater Treatment - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$15.32	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	149,254	(287,331)	(287,331)	(6,468)	4,604	\$15.32	70,520	(74,025)	470	(73,555)
2021	(73,555)	(61,300)	(63,139)	(6,346)	4,604	15.776	72,635	(70,406)	(2,339)	(72,745)
2022	(72,745)	(28,393)	(30,122)	(6,230)	4,604	16.249	74,815	(34,283)	(1,739)	(36,022)
2023	(36,022)	-	-	(5,723)	4,604	16.736	77,059	35,314	(12)	35,303
2024	35,303	(140,414)	(158,037)	(5,611)	4,604	17.238	79,371	(48,974)	(222)	(49,196)
2025	(49,196)	(351,675)	(407,687)	(5,490)	4,604	17.756	81,752	(380,622)	(6,985)	(387,606)
2026	(387,606)	(6,740)	(8,048)	(5,374)	4,604	18.288	84,204	(316,823)	(11,447)	(328,270)
2027	(328,270)	-	-	(4,997)	4,604	18.837	86,731	(246,536)	(9,341)	(255,877)
2028	(255,877)	-	-	(4,633)	4,604	19.402	89,332	(171,178)	(6,940)	(178,117)
2029	(178,117)	-	-	(4,514)	4,604	19.984	92,012	(90,619)	(4,367)	(94,986)
2030	(94,986)	-	-	(4,373)	4,757	20.584	97,909	(1,451)	(1,567)	(3,018)
2031	(3,018)	(25,167)	(25,167)	(22,190)	2,378	21.201	50,423	48	(48)	0
Total		(901,020)	(979,531)	(81,950)	53,178		956,763		(44,536)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Wastewater Treatment - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$36.76	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	601,568	(1,158,088)	(1,158,088)	(26,070)	7,659	\$36.76	281,556	(301,034)	1,878	(299,156)
2021	(299,156)	(247,071)	(254,483)	(25,579)	7,659	37.865	290,003	(289,216)	(9,561)	(298,777)
2022	(298,777)	(114,439)	(121,408)	(25,111)	7,659	39.001	298,703	(146,593)	(7,237)	(153,830)
2023	(153,830)	-	-	(23,065)	7,659	40.171	307,664	130,769	(375)	130,394
2024	130,394	(565,938)	(636,968)	(22,613)	7,659	41.376	316,894	(212,293)	(1,331)	(213,624)
2025	(213,624)	(1,417,425)	(1,643,184)	(22,128)	7,659	42.617	326,401	(1,552,536)	(28,700)	(1,581,236)
2026	(1,581,236)	(27,164)	(32,436)	(21,659)	7,659	43.896	336,193	(1,299,138)	(46,806)	(1,345,944)
2027	(1,345,944)	-	-	(20,140)	7,659	45.212	346,279	(1,019,805)	(38,443)	(1,058,248)
2028	(1,058,248)	-	-	(18,675)	7,659	46.569	356,667	(720,256)	(28,901)	(749,157)
2029	(749,157)	-	-	(18,195)	7,659	47.966	367,367	(399,985)	(18,674)	(418,658)
2030	(418,658)	-	-	(17,627)	8,479	49.405	418,901	(17,384)	(7,086)	(24,470)
2031	(24,470)	(101,436)	(101,436)	(89,436)	4,239	50.887	215,734	391	(391)	0
Total		(3,631,562)	(3,948,004)	(330,299)	89,308		3,862,361		(185,626)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Wastewater Treatment - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$26.26	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	179,292	(345,159)	(345,159)	(7,770)	3,161	\$26.26	83,004	(90,632)	554	(90,078)
2021	(90,078)	(73,638)	(75,847)	(7,624)	3,161	27.050	85,494	(88,055)	(2,895)	(90,949)
2022	(90,949)	(34,107)	(36,185)	(7,484)	3,161	27.862	88,059	(46,559)	(2,235)	(48,794)
2023	(48,794)	-	-	(6,874)	3,161	28.698	90,701	35,032	(224)	34,809
2024	34,809	(168,673)	(189,843)	(6,740)	3,161	29.559	93,422	(68,352)	(545)	(68,897)
2025	(68,897)	(422,452)	(489,737)	(6,595)	3,161	30.445	96,224	(469,006)	(8,741)	(477,747)
2026	(477,747)	(8,096)	(9,667)	(6,455)	3,161	31.359	99,111	(394,758)	(14,178)	(408,936)
2027	(408,936)	-	-	(6,002)	3,161	32.299	102,084	(312,855)	(11,729)	(324,584)
2028	(324,584)	-	-	(5,566)	3,161	33.268	105,147	(225,003)	(8,931)	(233,933)
2029	(233,933)	-	-	(5,423)	3,161	34.266	108,301	(131,055)	(5,931)	(136,986)
2030	(136,986)	-	-	(5,254)	3,772	35.294	133,126	(9,114)	(2,374)	(11,488)
2031	(11,488)	(30,232)	(30,232)	(26,656)	1,886	36.353	68,560	184	(184)	0
Total		(1,082,357)	(1,176,670)	(98,443)	37,263		1,153,232		(57,412)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Wastewater Collection - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$2,366.58	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	(9,409,930)	-	-		638	\$2,366.58	1,510,533	(7,899,396)	(281,277)	(8,180,673)
2021	(8,180,673)	(652,478)	(672,052)		638	2,437.58	1,555,849	(7,296,875)	(251,510)	(7,548,385)
2022	(7,548,385)	(371,114)	(393,715)		638	2,510.71	1,602,525	(6,339,576)	(225,679)	(6,565,255)
2023	(6,565,255)	(3,565,339)	(3,895,942)		638	2,586.03	1,650,601	(8,810,596)	(249,858)	(9,060,454)
2024	(9,060,454)	(1,593,131)	(1,793,083)		638	2,663.61	1,700,119	(9,153,418)	(295,975)	(9,449,394)
2025	(9,449,394)	(463,796)	(537,667)		638	2,743.52	1,751,122	(8,235,938)	(287,387)	(8,523,325)
2026	(8,523,325)	(49,995)	(59,697)		638	2,825.82	1,803,656	(6,779,365)	(248,669)	(7,028,034)
2027	(7,028,034)	(856,422)	(1,053,291)		638	2,910.60	1,857,766	(6,223,559)	(215,338)	(6,438,898)
2028	(6,438,898)	(296,150)	(375,153)		638	2,997.92	1,913,499	(4,900,553)	(184,266)	(5,084,819)
2029	(5,084,819)	-	-		638	3,087.86	1,970,904	(3,113,915)	(133,229)	(3,247,144)
2030	(3,247,144)	-	-		848	3,180.49	2,695,724	(551,420)	(61,727)	(613,147)
2031	(613,147)	(765,347)	(765,347)		424	3,275.91	1,388,298	9,804	(9,804)	(0)
Total		(8,613,772)	(9,545,947)	-	7,654		21,400,596		(2,444,719)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Wastewater Collection - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$51.90	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(4,847,540)	-	-		15,424	\$51.90	800,441	(4,047,099)	(144,538)	(4,191,637)
2021	(4,191,637)	(336,125)	(346,209)		15,424	53.453	824,454	(3,713,392)	(128,457)	(3,841,848)
2022	(3,841,848)	(191,180)	(202,823)		15,424	55.057	849,187	(3,195,484)	(114,357)	(3,309,841)
2023	(3,309,841)	(1,836,690)	(2,007,001)		15,424	56.709	874,663	(4,442,178)	(125,970)	(4,568,148)
2024	(4,568,148)	(820,704)	(923,709)		15,424	58.410	900,903	(4,590,955)	(148,835)	(4,739,790)
2025	(4,739,790)	(238,925)	(276,980)		15,424	60.162	927,930	(4,088,840)	(143,465)	(4,232,305)
2026	(4,232,305)	(25,755)	(30,753)		15,424	61.967	955,768	(3,307,290)	(122,518)	(3,429,809)
2027	(3,429,809)	(441,187)	(542,604)		15,424	63.826	984,441	(2,987,972)	(104,289)	(3,092,261)
2028	(3,092,261)	(152,562)	(193,261)		15,424	65.741	1,013,974	(2,271,548)	(87,162)	(2,358,709)
2029	(2,358,709)	-	-		15,424	67.713	1,044,393	(1,314,316)	(59,687)	(1,374,003)
2030	(1,374,003)	-	-		17,007	69.745	1,186,179	(187,824)	(25,380)	(213,203)
2031	(213,203)	(394,270)	(394,270)		8,504	71.837	610,882	3,409	(3,409)	0
Total		(4,437,397)	(4,917,609)	-	179,749		10,973,216		(1,208,067)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Wastewater Collection - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$28.15	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(777,876)	-	-		4,604	\$28.15	129,592	(648,284)	(23,175)	(671,459)
2021	(671,459)	(53,937)	(55,555)		4,604	28.990	133,480	(593,535)	(20,556)	(614,091)
2022	(614,091)	(30,678)	(32,547)		4,604	29.860	137,484	(509,154)	(18,253)	(527,407)
2023	(527,407)	(294,730)	(322,060)		4,604	30.756	141,609	(707,858)	(20,073)	(727,931)
2024	(727,931)	(131,697)	(148,226)		4,604	31.679	145,857	(730,300)	(23,696)	(753,996)
2025	(753,996)	(38,340)	(44,446)		4,604	32.629	150,233	(648,210)	(22,786)	(670,996)
2026	(670,996)	(4,133)	(4,935)		4,604	33.608	154,740	(521,191)	(19,373)	(540,564)
2027	(540,564)	(70,797)	(87,071)		4,604	34.616	159,382	(468,253)	(16,393)	(484,646)
2028	(484,646)	(24,481)	(31,012)		4,604	35.655	164,163	(351,495)	(13,587)	(365,083)
2029	(365,083)	-	-		4,604	36.724	169,088	(195,995)	(9,118)	(205,112)
2030	(205,112)	-	-		4,757	37.826	179,924	(25,188)	(3,742)	(28,930)
2031	(28,930)	(63,268)	(63,268)		2,378	38.961	92,661	463	(463)	(0)
Total		(712,062)	(789,120)	-	53,178		1,758,212		(191,215)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Wastewater Collection - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$67.56	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(3,135,233)	-	-		7,659	\$67.56	517,411	(2,617,823)	(93,487)	(2,711,310)
2021	(2,711,310)	(217,395)	(223,917)		7,659	69.583	532,933	(2,402,293)	(83,096)	(2,485,390)
2022	(2,485,390)	(123,649)	(131,179)		7,659	71.671	548,921	(2,067,648)	(73,987)	(2,141,635)
2023	(2,141,635)	(1,187,912)	(1,298,064)		7,659	73.821	565,388	(2,874,310)	(81,509)	(2,955,819)
2024	(2,955,819)	(530,805)	(597,426)		7,659	76.035	582,350	(2,970,895)	(96,309)	(3,067,204)
2025	(3,067,204)	(154,529)	(179,142)		7,659	78.316	599,821	(2,646,525)	(92,848)	(2,739,373)
2026	(2,739,373)	(16,658)	(19,890)		7,659	80.666	617,815	(2,141,448)	(79,313)	(2,220,761)
2027	(2,220,761)	(285,346)	(350,939)		7,659	83.086	636,350	(1,935,350)	(67,537)	(2,002,887)
2028	(2,002,887)	(98,672)	(124,995)		7,659	85.579	655,440	(1,472,442)	(56,474)	(1,528,916)
2029	(1,528,916)	-	-		7,659	88.146	675,103	(853,813)	(38,719)	(892,532)
2030	(892,532)	-	-		8,479	90.790	769,807	(122,725)	(16,498)	(139,223)
2031	(139,223)	(255,001)	(255,001)		4,239	93.514	396,450	2,226	(2,226)	(0)
Total		(2,869,966)	(3,180,552)	-	89,308		7,097,789		(782,004)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Wastewater Collection - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. m. of Gross Floor Area	\$48.26	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	(934,430)	-	-		3,161	\$48.26	152,536	(781,894)	(27,890)	(809,784)
2021	(809,784)	(64,793)	(66,736)		3,161	49.710	157,112	(719,409)	(24,849)	(744,258)
2022	(744,258)	(36,853)	(39,097)		3,161	51.201	161,826	(621,529)	(22,194)	(643,723)
2023	(643,723)	(354,047)	(386,877)		3,161	52.737	166,680	(863,920)	(24,499)	(888,419)
2024	(888,419)	(158,202)	(178,058)		3,161	54.320	171,681	(894,797)	(28,977)	(923,774)
2025	(923,774)	(46,056)	(53,392)		3,161	55.949	176,831	(800,334)	(28,017)	(828,351)
2026	(828,351)	(4,965)	(5,928)		3,161	57.628	182,136	(652,143)	(24,058)	(676,201)
2027	(676,201)	(85,045)	(104,594)		3,161	59.357	187,600	(593,196)	(20,628)	(613,823)
2028	(613,823)	(29,408)	(37,254)		3,161	61.137	193,228	(457,849)	(17,415)	(475,263)
2029	(475,263)	-	-		3,161	62.971	199,025	(276,239)	(12,212)	(288,450)
2030	(288,450)	-	-		3,772	64.860	244,645	(43,805)	(5,399)	(49,205)
2031	(49,205)	(76,001)	(76,001)		1,886	66.806	125,992	787	(787)	(0)
Total		(855,370)	(947,937)	-	37,263		2,119,292		(236,925)	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Water Treatment - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$1,279.54	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	1,349,546	(161,037)	(161,037)	(229,232)	1,638	\$1,279.54	2,096,021	3,055,298	27,530	3,082,828
2021	3,082,828	(419,037)	(431,608)	(181,035)	1,638	1,317.92	2,158,901	4,629,086	48,199	4,677,286
2022	4,677,286	(161,037)	(170,844)	(176,312)	1,638	1,357.46	2,223,668	6,553,798	70,194	6,623,992
2023	6,623,992	(446,318)	(487,704)	(174,688)	1,638	1,398.18	2,290,378	8,251,979	92,975	8,344,954
2024	8,344,954	(161,037)	(181,249)	(173,121)	1,638	1,440.13	2,359,090	10,349,673	116,841	10,466,515
2025	10,466,515	(236,287)	(273,921)	(162,185)	1,638	1,483.33	2,429,862	12,460,270	143,292	12,603,563
2026	12,603,563	(419,037)	(500,352)	(160,561)	1,638	1,527.83	2,502,758	14,445,408	169,056	14,614,464
2027	14,614,464	(161,037)	(198,055)	(158,937)	1,638	1,573.67	2,577,841	16,835,313	196,561	17,031,874
2028	17,031,874	(20,504,728)	(25,974,775)	(138,029)	1,638	1,620.88	2,655,176	(6,425,755)	66,288	(6,359,467)
2029	(6,359,467)	(71,868)	(93,772)	(62,718)	1,638	1,669.50	2,734,832	(3,781,125)	(164,785)	(3,945,909)
2030	(3,945,909)	(71,868)	(71,868)	(61,094)	1,848	1,719.59	3,177,009	(901,862)	(78,776)	(980,639)
2031	(980,639)	(329,868)	(329,868)	(309,973)	924	1,771.18	1,636,160	15,681	(15,681)	(0)
Total		(23,143,160)	(28,875,054)	(1,987,886)	19,152		28,841,698		671,697	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Water Treatment - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$22.41	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	219,694	(26,215)	(26,215)	(37,317)	15,281	\$22.41	342,503	498,665	4,490	503,155
2021	503,155	(68,215)	(70,262)	(29,471)	15,281	23.087	352,779	756,201	7,871	764,071
2022	764,071	(26,215)	(27,812)	(28,702)	15,281	23.779	363,362	1,070,920	11,469	1,082,388
2023	1,082,388	(72,656)	(79,394)	(28,438)	15,281	24.493	374,263	1,348,820	15,195	1,364,015
2024	1,364,015	(26,215)	(29,506)	(28,183)	15,281	25.227	385,491	1,691,817	19,099	1,710,916
2025	1,710,916	(38,465)	(44,592)	(26,402)	15,281	25.984	397,055	2,036,977	23,424	2,060,402
2026	2,060,402	(68,215)	(81,453)	(26,138)	15,281	26.764	408,967	2,361,778	27,639	2,389,417
2027	2,389,417	(26,215)	(32,242)	(25,873)	15,281	27.567	421,236	2,752,538	32,137	2,784,675
2028	2,784,675	(3,337,979)	(4,228,452)	(22,470)	15,281	28.394	433,873	(1,032,374)	10,952	(1,021,422)
2029	(1,021,422)	(11,699)	(15,265)	(10,210)	15,281	29.245	446,889	(600,007)	(26,348)	(626,356)
2030	(626,356)	(11,699)	(11,699)	(9,946)	16,809	30.123	506,340	(141,660)	(12,480)	(154,140)
2031	(154,140)	(53,699)	(53,699)	(50,461)	8,405	31.026	260,765	2,465	(2,465)	0
Total		(3,767,491)	(4,700,590)	(323,609)	178,021		4,693,524		110,982	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Water Treatment - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$12.30	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	37,286	(4,449)	(4,449)	(6,333)	4,768	\$12.30	58,666	85,170	765	85,935
2021	85,935	(11,577)	(11,925)	(5,002)	4,768	12.674	60,426	129,435	1,346	130,781
2022	130,781	(4,449)	(4,720)	(4,871)	4,768	13.054	62,239	183,429	1,964	185,393
2023	185,393	(12,331)	(13,475)	(4,826)	4,768	13.446	64,106	231,198	2,604	233,802
2024	233,802	(4,449)	(5,008)	(4,783)	4,768	13.849	66,029	290,040	3,274	293,314
2025	293,314	(6,528)	(7,568)	(4,481)	4,768	14.265	68,010	349,276	4,016	353,292
2026	353,292	(11,577)	(13,824)	(4,436)	4,768	14.692	70,051	405,082	4,740	409,822
2027	409,822	(4,449)	(5,472)	(4,391)	4,768	15.133	72,152	472,111	5,512	477,623
2028	477,623	(566,519)	(717,650)	(3,814)	4,768	15.587	74,317	(169,523)	1,926	(167,598)
2029	(167,598)	(1,986)	(2,591)	(1,733)	4,768	16.055	76,546	(95,375)	(4,273)	(99,648)
2030	(99,648)	(1,986)	(1,986)	(1,688)	4,924	16.537	81,424	(21,898)	(1,975)	(23,873)
2031	(23,873)	(9,114)	(9,114)	(8,564)	2,462	17.033	41,933	382	(382)	0
Total		(639,416)	(797,781)	(54,923)	55,064		795,901		19,516	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Water Treatment - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$29.52	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	138,848	(16,568)	(16,568)	(23,585)	7,326	\$29.52	216,247	314,942	2,836	317,778
2021	317,778	(43,113)	(44,406)	(18,626)	7,326	30.402	222,734	477,481	4,970	482,451
2022	482,451	(16,568)	(17,577)	(18,140)	7,326	31.314	229,416	676,150	7,241	683,391
2023	683,391	(45,919)	(50,177)	(17,973)	7,326	32.253	236,299	851,540	9,593	861,133
2024	861,133	(16,568)	(18,648)	(17,812)	7,326	33.221	243,388	1,068,061	12,057	1,080,119
2025	1,080,119	(24,310)	(28,182)	(16,686)	7,326	34.218	250,689	1,285,939	14,788	1,300,727
2026	1,300,727	(43,113)	(51,479)	(16,519)	7,326	35.244	258,210	1,490,939	17,448	1,508,387
2027	1,508,387	(16,568)	(20,377)	(16,352)	7,326	36.301	265,956	1,737,614	20,288	1,757,901
2028	1,757,901	(2,109,629)	(2,672,414)	(14,201)	7,326	37.390	273,935	(654,779)	6,895	(647,885)
2029	(647,885)	(7,394)	(9,648)	(6,453)	7,326	38.512	282,153	(381,832)	(16,733)	(398,565)
2030	(398,565)	(7,394)	(7,394)	(6,286)	8,114	39.667	321,844	(90,401)	(7,946)	(98,347)
2031	(98,347)	(33,938)	(33,938)	(31,892)	4,057	40.858	165,750	1,573	(1,573)	0
Total		(2,381,084)	(2,970,810)	(204,524)	85,434		2,966,620		69,865	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Water Treatment - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$21.07	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	43,559	(5,198)	(5,198)	(7,399)	3,187	\$21.07	67,145	98,108	885	98,993
2021	98,993	(13,525)	(13,931)	(5,843)	3,187	21.703	69,160	148,379	1,546	149,925
2022	149,925	(5,198)	(5,514)	(5,691)	3,187	22.355	71,235	209,954	2,249	212,204
2023	212,204	(14,406)	(15,742)	(5,638)	3,187	23.025	73,372	264,195	2,977	267,173
2024	267,173	(5,198)	(5,850)	(5,588)	3,187	23.716	75,573	331,307	3,741	335,048
2025	335,048	(7,627)	(8,841)	(5,235)	3,187	24.427	77,840	398,812	4,587	403,398
2026	403,398	(13,525)	(16,150)	(5,182)	3,187	25.160	80,175	462,241	5,410	467,651
2027	467,651	(5,198)	(6,393)	(5,130)	3,187	25.915	82,580	538,709	6,290	544,999
2028	544,999	(661,831)	(838,388)	(4,455)	3,187	26.693	85,058	(212,786)	2,076	(210,710)
2029	(210,710)	(2,320)	(3,027)	(2,024)	3,187	27.493	87,610	(128,151)	(5,506)	(133,658)
2030	(133,658)	(2,320)	(2,320)	(1,972)	3,772	28.318	106,812	(31,137)	(2,678)	(33,815)
2031	(33,815)	(10,647)	(10,647)	(10,005)	1,886	29.168	55,008	541	(541)	0
Total		(746,992)	(932,000)	(64,163)	37,524		931,567		21,037	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Water Distribution - Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$1,326.80	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita Inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings/ (Cost)	
2020	335,930	(495,609)	(495,609)		1,638	\$1,326.80	2,173,451	2,013,771	14,686	2,028,457
2021	2,028,457	(346,587)	(356,985)		1,638	1,366.61	2,238,655	3,910,127	37,116	3,947,243
2022	3,947,243	(818,793)	(868,658)		1,638	1,407.61	2,305,814	5,384,400	58,323	5,442,723
2023	5,442,723	(2,278,297)	(2,489,557)		1,638	1,449.83	2,374,989	5,328,155	67,318	5,395,473
2024	5,395,473	(1,296,147)	(1,458,825)		1,638	1,493.33	2,446,238	6,382,887	73,615	6,456,502
2025	6,456,502	(10,473,137)	(12,141,236)		1,638	1,538.13	2,519,626	(3,165,109)	20,571	(3,144,538)
2026	(3,144,538)	(1,627,906)	(1,943,805)		1,638	1,584.27	2,595,214	(2,493,129)	(91,612)	(2,584,741)
2027	(2,584,741)	(1,145,242)	(1,408,503)		1,638	1,631.80	2,673,071	(1,320,173)	(63,455)	(1,383,628)
2028	(1,383,628)	(317,881)	(402,682)		1,638	1,680.76	2,753,263	966,953	(6,771)	960,182
2029	960,182	(662,159)	(863,967)		1,638	1,731.18	2,835,861	2,932,075	24,327	2,956,402
2030	2,956,402	(1,362,144)	(1,362,144)		1,848	1,783.11	3,294,373	4,888,631	49,031	4,937,662
2031	4,937,662	(6,664,933)	(6,664,933)		924	1,836.61	1,696,602	(30,669)	30,669	(0)
Total		(27,488,837)	(30,456,905)	-	19,152		29,907,158		213,817	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Water Distribution - Non-Residential (Uniform)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$23.24	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	54,686	(80,681)	(80,681)		15,281	\$23.24	355,146	329,152	2,399	331,551
2021	331,551	(56,421)	(58,114)		15,281	23.939	365,801	639,238	6,067	645,305
2022	645,305	(133,292)	(141,409)		15,281	24.657	376,775	880,671	9,537	890,208
2023	890,208	(370,886)	(405,277)		15,281	25.397	388,078	873,009	11,020	884,029
2024	884,029	(211,001)	(237,483)		15,281	26.158	399,720	1,046,266	12,064	1,058,331
2025	1,058,331	(1,704,929)	(1,976,480)		15,281	26.943	411,712	(506,438)	3,449	(502,988)
2026	(502,988)	(265,008)	(316,433)		15,281	27.752	424,063	(395,358)	(14,598)	(409,957)
2027	(409,957)	(186,435)	(229,291)		15,281	28.584	436,785	(202,463)	(9,952)	(212,415)
2028	(212,415)	(51,748)	(65,553)		15,281	29.442	449,889	171,921	(658)	171,263
2029	171,263	(107,793)	(140,646)		15,281	30.325	463,385	494,003	4,158	498,161
2030	498,161	(221,744)	(221,744)		16,809	31.235	525,031	801,447	8,123	809,570
2031	809,570	(1,084,989)	(1,084,989)		8,405	32.172	270,391	(5,028)	5,028	(0)
Total		(4,474,927)	(4,958,101)	-	178,021		4,866,776		36,638	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Water Distribution - Non-Residential (Industrial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$12.76	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	9,281	(13,693)	(13,693)		4,768	\$12.76	60,831	56,419	411	56,830
2021	56,830	(9,576)	(9,863)		4,768	13.141	62,656	109,623	1,040	110,663
2022	110,663	(22,622)	(24,000)		4,768	13.536	64,536	151,199	1,637	152,835
2023	152,835	(62,946)	(68,783)		4,768	13.942	66,472	150,524	1,896	152,420
2024	152,420	(35,811)	(40,305)		4,768	14.360	68,466	180,580	2,081	182,661
2025	182,661	(289,359)	(335,447)		4,768	14.791	70,520	(82,266)	627	(81,639)
2026	(81,639)	(44,977)	(53,705)		4,768	15.235	72,635	(62,708)	(2,346)	(65,054)
2027	(65,054)	(31,642)	(38,915)		4,768	15.692	74,814	(29,155)	(1,531)	(30,685)
2028	(30,685)	(8,783)	(11,126)		4,768	16.162	77,059	35,248	29	35,276
2029	35,276	(18,295)	(23,870)		4,768	16.647	79,371	90,777	788	91,564
2030	91,564	(37,634)	(37,634)		4,924	17.147	84,428	138,358	1,437	139,795
2031	139,795	(184,144)	(184,144)		2,462	17.661	43,480	(868)	868	(0)
Total		(759,481)	(841,485)	-	55,064		825,267		6,937	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Water Distribution - Non-Residential (Commercial)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$30.61	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	34,562	(50,991)	(50,991)		7,326	\$30.61	224,231	207,802	1,515	209,317
2021	209,317	(35,659)	(36,728)		7,326	31.524	230,958	403,546	3,830	407,377
2022	407,377	(84,242)	(89,372)		7,326	32.470	237,886	555,891	6,020	561,912
2023	561,912	(234,403)	(256,138)		7,326	33.444	245,023	550,797	6,954	557,751
2024	557,751	(133,354)	(150,091)		7,326	34.447	252,374	660,033	7,611	667,645
2025	667,645	(1,077,529)	(1,249,151)		7,326	35.481	259,945	(321,561)	2,163	(319,398)
2026	(319,398)	(167,487)	(199,988)		7,326	36.545	267,743	(251,644)	(9,279)	(260,923)
2027	(260,923)	(117,828)	(144,914)		7,326	37.642	275,776	(130,061)	(6,353)	(136,415)
2028	(136,415)	(32,705)	(41,430)		7,326	38.771	284,049	106,204	(491)	105,713
2029	105,713	(68,126)	(88,889)		7,326	39.934	292,570	309,394	2,594	311,989
2030	311,989	(140,144)	(140,144)		8,114	41.132	333,726	505,571	5,110	510,681
2031	510,681	(685,722)	(685,722)		4,057	42.366	171,869	(3,172)	3,172	(0)
Total		(2,828,189)	(3,133,558)	-	85,434		3,076,150		22,846	

Note: Numbers may not add due to rounding



**City of Kawartha Lakes
2019 Development Charges Study
Cash Flow Calculation - Water Distribution - Non-Residential (Institutional)**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long- Term Debt	Sq. m. of Gross Floor Area	\$21.85	Anticipated Revenues	Annual Surplus/ (Deficit)	1.25% / 3.25%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per sq.m. inflated at (3%) Starting in 2021			D.C. Reserve Fund Interest Earnings /(Cost)	
2020	10,843	(15,997)	(15,997)		3,187	\$21.85	69,630	64,476	471	64,946
2021	64,946	(11,187)	(11,522)		3,187	22.506	71,719	125,143	1,188	126,331
2022	126,331	(26,428)	(28,038)		3,187	23.182	73,870	172,163	1,866	174,029
2023	174,029	(73,537)	(80,355)		3,187	23.877	76,086	169,760	2,149	171,908
2024	171,908	(41,836)	(47,086)		3,187	24.593	78,369	203,191	2,344	205,535
2025	205,535	(338,041)	(391,883)		3,187	25.331	80,720	(105,628)	624	(105,003)
2026	(105,003)	(52,544)	(62,740)		3,187	26.091	83,141	(84,602)	(3,081)	(87,683)
2027	(87,683)	(36,965)	(45,462)		3,187	26.874	85,636	(47,510)	(2,197)	(49,707)
2028	(49,707)	(10,260)	(12,997)		3,187	27.680	88,205	25,501	(393)	25,107
2029	25,107	(21,372)	(27,886)		3,187	28.511	90,851	88,072	707	88,779
2030	88,779	(43,966)	(43,966)		3,772	29.366	110,764	155,578	1,527	157,105
2031	157,105	(215,124)	(215,124)		1,886	30.247	57,043	(976)	976	0
Total		(887,257)	(983,057)	-	37,524		966,034		6,181	

Note: Numbers may not add due to rounding



Appendix D

Long-Term Capital and Operating Cost Examination



Appendix D: Long-Term Capital and Operating Cost Examination

As a requirement of the D.C.A. under subsection 10(2)(c), an analysis must be undertaken to assess the long-term capital and operating cost impacts for the capital infrastructure projects identified within the D.C. As part of this analysis, it was deemed necessary to isolate the incremental operating expenditures directly associated with these capital projects, factor in cost saving attributable to economies of scale or cost sharing where applicable and prorate the cost on a per unit basis (i.e. sq.ft. of building space, per vehicle, etc.). This was undertaken through a review of the City's approved 2018 Financial Information Return (F.I.R.).

In addition to the operational impacts, over time the initial capital projects will require replacement. This replacement of capital is often referred to as lifecycle cost. By definition, lifecycle costs are all the costs which are incurred during the life of a physical asset, from the time its acquisition is first considered, to the time it is taken out of service for disposal or redeployment. The method selected for lifecycle costing is the sinking fund method which provides that money will be contributed annually and invested, so that those funds will grow over time to equal the amount required for future replacement.

Table D-1 depicts the annual operating impact resulting from the proposed gross capital projects at the time they are all in place. It is important to note that, while City program expenditures will increase with growth in population, the costs associated with the new infrastructure (i.e. facilities) would be delayed until the time these works are in place. No additional operating impact is anticipated for costs associated with Administration Studies and as such, the Administration Studies Services has not been included in Table D-1.



Table D-1
Operating and Capital Expenditure Impacts for Future Capital Expenditures

	ANNUAL LIFECYCLE EXPENDITURES	ANNUAL OPERATING EXPENDITURES	TOTAL ANNUAL EXPENDITURES
Water Treatment and Distribution	3,620,317	1,929,291	5,549,608
Wastewater Treatment and Collection	4,602,174	1,956,644	6,558,818
Roads and Related	4,408,676	335,565	4,744,241
Fire Services	311,677	1,978,465	2,290,142
Police Services	184,341	1,469,376	1,653,717
Transit Services	67,589	180,833	248,422
Parking Services	5,575	40,581	46,156
Airport Services	27,546	92,047	119,593
Parks and Recreation	326,214	236,974	563,188
Library Services	299,825	400,466	700,291
Municipal By-law Enforcement	10,424	258,367	268,791
Paramedic Services	150,474	1,031,610	1,182,084
Health & Social Services	151,580	21,840	173,420
Waste Diversion	-	23,029	23,029
	14,166,412	9,955,088	24,121,500



Appendix E

Local Service Policy



Appendix E: Local Service Policy

1. Arterial and Collector Roads

- 1.1. Collector roads internal to development - direct developer responsibility under s.59 of the D.C.A. (as a local service).
- 1.2. Roads (collector and arterial) external to development - include in D.C. calculation to the extent permitted under s.5(1) of the D.C.A. (dependent on local circumstances).
- 1.3. Stream crossing and rail crossing road works, excluding underground utilities but including all other works within lands to be dedicated to the City or rail corridors - include in D.C. calculation to the extent permitted under s.5(1) of the D.C.A. (dependent on local circumstances).

2. Traffic Signals

- 2.1. Traffic signalization within or external to development – include in D.C. calculation to the extent permitted under s.5(1) of the D.C.A.

3. Intersection Improvements

- 3.1. Intersection improvements on arterial and collector roads external to development – include in D.C. calculation (linked to arterial and collector road funding source in item 1).
- 3.2. Intersections improvements within specific developments and all works necessary to connect to entrances (private and specific subdivision, including auxiliary lanes) to the roadway - direct developer responsibility under s.59 of D.C.A. (as a local service).
- 3.3. Intersections with provincial highways – include in D.C. calculation to the extent that they are City responsibility.

4. Streetlights

- 4.1. Streetlights on arterial and collector roads external to development – include in D.C. calculation (linked to arterial and collector road funding source in item 1).
- 4.2. Streetlights within specific developments – direct developer responsibility under s.59 of D.C.A. (as a local service).



5. Sidewalks

- 5.1. Sidewalks on arterial and collector roads external to development (except where abutting development) – include in D.C. calculation (linked to arterial and collector road funding source in item 1).
- 5.2. Sidewalks on MTO roads – include in D.C. calculation or, in exceptional circumstances, may be local improvement or direct developer responsibility through local service provisions (s.59 of D.C.A.).
- 5.3. Sidewalks within developments or external to development (which are a local service within the area to which the plan relates) - direct developer responsibility as a local service provision (under s.59 of D.C.A.)

6. Bike Routes/Bike Lanes/Bike Paths/Multi-Use Trails/Naturalized Walkways

- 6.1. Bike routes and bike lanes, within road allowance, external to development – include in D.C. calculation, consistent with the service standard provisions of the D.C.A., s.5(1).
- 6.2. Bike paths/multi-use trails/naturalized walkways external to development – include in D.C. calculation consistent with the service standard provisions of the D.C.A., s.5(1).
- 6.3. Bike lanes, within road allowance, internal to development – direct developer responsibility through local service provisions (s.59 of D.C.A.).
- 6.4. Bike paths/multi-use trails/naturalized walkways internal to development – direct developer responsibility through local service provisions (s.59 of D.C.A.).
- 6.5. Trail Bridges/underpasses and associated works – include in D.C. calculation consistent with the service standard provisions of the D.C.A., s.5(1).

7. Noise Abatement Measures

- 7.1. External to which the plan relates - include in D.C. calculation.

8. Traffic Control Systems

- 8.1. Include in D.C. calculation.



9. Land Acquisition for Road Allowances

- 9.1. Land acquisition for arterial roads – Dedication under the Planning Act provisions (s.51, s.42) through development lands; in areas with limited or no development, include in D.C. calculation (to the extent eligible).
- 9.2. Land Acquisition for collector roads – Dedication under the Planning Act provisions (s.51, s.42) through development lands (up to 26 metre right-of-way); in areas with limited or no development, include in D.C. calculation (to the extent eligible).
- 9.3. Land Acquisition for grade separations (beyond normal dedication requirements) – include in the D.C. calculation (to the extent eligible).

10. Land Acquisition for Easements

- 10.1. Easement costs external to subdivisions - include in D.C. calculation or, in exceptional circumstances, may be local improvement or direct developer responsibility through local service provisions (s.59 of D.C.A.).

11. Storm Water Management

- 11.1. Quality and quantity works - direct developer responsibility through local service provisions (s. 59 of D.C.A.).
- 11.2. Oversizing of stormwater management works external to developments - subject to best efforts clauses within development agreements by the City. This however does not preclude the use of D.C.'s on an area specific basis for community systems.

12. Water

- 12.1. Water supply, treatment and related facilities - include in the City-Wide D.C. calculation for urban serviced area.
- 12.2. Watermains external to development - include in City-Wide D.C. calculations for urban service area.
- 12.3. Marginal costs of waterworks within development or within the area to which the plan relates, above 200 mm nominal diameter- include in City-Wide D.C. calculations for urban service area.



- 12.4. Pumping Stations and connections to trunk mains and pumping stations to service a specific development exclusively - direct developer responsibility though local service provisions (s.59 of D.C.A.).

13. Wastewater

- 13.1. Wastewater discharge, treatment and related facilities - include in the City-Wide D.C. calculation for the urban serviced area.
- 13.2. Wastewater sewers external to development - include in City-Wide D.C. calculation for the urban serviced area
- 13.3. Marginal costs of wastewater sewer works within development or within the area to which the plan relates, which benefits upstream developers, above 200mm nominal diameter – City-Wide D.C. calculation for the urban serviced area.
- 13.4. Pumping Stations and connections to trunk mains and pumping stations to service specific development exclusively - direct developer responsibility though local service provisions (s.59 of D.C.A.).



Appendix F

Proposed D.C. By-law

The Corporation of the City of Kawartha Lakes

By-Law 2019-XXX

A By-Law to Impose Development Charges in the City of Kawartha Lakes

Recitals:

1. The City of Kawartha Lakes will experience growth through development requiring the provision of infrastructure and other capital-related services by the City, and intends to recover from development the costs of such services to the extent permitted by law or as otherwise considered advisable by Council.
2. Subsection 2(1) of the *Development Charges Act*, S.O. 1997 Chap. 27 (hereinafter, the "Act") provides that the council of a municipality may by by-law impose development charges against land to pay for increased capital costs required because of increased needs for services arising from the development of the area to which the by-law applies.
3. A draft of the report entitled "2019 Development Charges Background Study" (hereinafter, the "study") prepared by Watson and Associates Economists Limited (hereinafter, "Watson") and a draft proposed development charges by-law (hereinafter, the "proposed by-law") prepared by the Manager of Corporate Assets, were both dated and made publicly available on **October 7, 2019**.
4. Council held a public meeting regarding the study and proposed by-law on **November 5, 2019** and gave sufficient public notice of the meeting.
5. Subsequent to the **November 5, 2019** public meeting, Watson issued an addendum to the study and the Manager of Corporate Assets revised the proposed by-law, and the resulting amended study and revised proposed by-law were dated and made publicly available on **November 26, 2019**.
6. Having reviewed the amended study and revised proposed by-law, Council has adopted the amended study and has determined that no further public meetings are required on these documents.
7. Having adopted the amended study, including the growth-related capital needs referred to therein, Council has thereby indicated its intention to ensure the increase in need for services attributable to anticipated development is met, and has further indicated its intention to recover the costs of the committed and future excess capacity identified in the study through development charges or other similar charges.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-Law 2019-XXX.

Section 1.00: Definitions and Interpretation

1.01 **Definitions:** In this by-law,

“accessory use” means a use of land, a building or a structure which is naturally and normally incidental and subordinate in purpose and or floor area, and exclusively devoted to, the principal use of such land, building or structure;

“Act” means the *Development Charges Act*, S.O. 1997, Chap. 27, as amended, or any successor thereof;

“agricultural” means non-residential lands, buildings or structures or any part thereof used, designed or intended solely for farming, apiaries, fish farming, animal husbandry or the cultivation of trees, shrubs, flowers, grains, sod, fruits, vegetables and other crops or ornamental plants, or similar agrarian activity, on land of at least three (3) hectares in area, and includes barns, implement sheds, seasonal roadside stands and silos but does not include processing or year-round wholesale or retail facilities;

“agricultural development charges” means development charges pertaining to agricultural development as determined in the Development Charges Background Study but subject to annual indexation to which development charges set out in Schedules 1 and 2 to this by-law are subject in accordance with subsection 6.07 of this by-law;

“apartment dwelling unit” means a stacked dwelling unit or any dwelling unit within a dwelling:

- (a) containing three (3) or more dwelling units whereby access to each dwelling unit is obtained through one or more common entrances from the outside and the dwelling units are connected by one or more interior corridors; or
- (b) attached to a non-residential building or structure whereby the dwelling unit is not a single-detached, semi-detached or row dwelling unit and would otherwise constitute a multiple dwelling unit;

“Assessment Act” means the *Assessment Act*, R.S.O. 1990, Chap. A.31, as amended, or any successor thereof;

“bedroom” means, within a dwelling unit, a habitable room of less than seven (7) square metres of floor area, including a den, study or other similar area, but does not include a bathroom, living room, dining room or kitchen;

“benefiting area” means an area defined by map, geography, plan or legal description in a front-ending agreement or as established by Council through resolution or by by-law as an area in which development receives

or will receive a benefit from the emplacement of municipal capital infrastructure;

“board of education” has the same meaning as set out in the *Education Act*, R.S.O. 1990, Chap. E.2, as amended, or any successor thereof;

“Building Code Act” means the *Building Code Act*, S.O. 1992, Chap. 23, as amended, or any successor thereof;

“building permit” or **“permit”** means a permission or authorization given in writing by the Chief Building Official for the construction or demolition of a building or structure, or part thereof, as defined in subsection 1(1) of the Building Code Act;

“capital charge” means a charge, fee or similar levy or cost recovery mechanism imposed on owners by the City pursuant to sections 390-400, inclusive, of the Municipal Act;

“capital cost” means capital costs as defined in subsection 5(3) of the Act incurred or proposed to be incurred by the City, or a local board thereof, directly or by others on behalf of and as authorized by the City or local board;

“Chief Building Official” means the person appointed by Council to discharge the duties of the chief building official pursuant to the Building Code Act;

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

“City Treasurer” means the person appointed by Council to discharge the duties of the treasurer described in section 286 of the Municipal Act;

“commercial” means non-residential lands, buildings or structures or any part thereof used, designed or intended to facilitate the buying or selling of commodities or services, including those related to self-service and other storage facilities, hotels, inns, motels and boarding, lodging, rooming houses and recreational lodging and all those that are non-residential in nature but excluded from all other types of non-residential land, structures and buildings otherwise defined in this by-law;

“Condominium Act” means the *Condominium Act*, S.O. 1998, Chap.19, as amended, or any successor thereof;

“construction” means the erection, installation, extension or material alteration or repair of a building or structure and includes the installation of a building unit, such as a shipping container, that is relocated or fabricated;

“Council” or “City Council” means the municipal council for the City;

“demolition” means the deconstruction or removal of a building or structure or any material part thereof;

“development” means the construction, erection or placing of one or more buildings or structures on land or the making of an addition or alteration to a building or structure that has the effect of increasing the size or usability thereof, and includes redevelopment which in turn includes demolition and or conversion of use;

“development charge” means a charge imposed pursuant to this by-law, or a predecessor thereof as context requires;

“Development Charges Background Study” means the most recent study, or successor thereof, as approved by or otherwise prepared for Council, undertaken by or on behalf of the City that satisfies or is intended to satisfy section 10 of the Act;

“development charge reserve fund” means a fund of the City established pursuant to section 33 of the Act;

“dwelling” means a residential building or structure, or part thereof, occupied or capable of being occupied as a home, residence or domestic establishment or habitat of some kind, but does not include motels, hotels, tents, truck campers, tourist trailers, mobile camper trailers or boarding, lodging or rooming houses of any kind;

“dwelling unit” means any part, which may include the entirety of, a dwelling used, designed or intended to be used exclusively by one or more cohabitating persons;

“electricity generation” means non-residential lands, buildings or structures that are not of an accessory use and that:

- (a) form, support or accommodate a system or utility used, designed or intended to convert wind, solar, biomass, coal, natural gas, waste, water flow or other form of energy into electricity and feed it into the general electricity grid, and includes such systems or utilities that participate or are intended to participate in the Independent Electricity System Operator’s Feed-In Tariff Program, or successor thereof, or similar program; and
- (b) constitute development whereby gross floor area is inapplicable, indeterminate or otherwise unrepresentative of the scale of the development, as determined by the Chief Building Official;

“existing development” means development that existed as of the time this by-law comes into force;

“existing industrial building” has the same meaning as that set out in the Act;

“general service area” means all land within the corporate boundaries of the City of Kawartha Lakes;

“gross floor area”, as determined by the Chief Building Official, means:

- (a) in the case of a residential building or structure, the total area of all building floors above grade of a dwelling unit measured between the outside surfaces of exterior walls or between the outside surfaces of exterior walls and the centre line of party walls dividing the dwelling unit from any other dwelling unit or other portion of a building; and
- (b) in the case of a non-residential building or structure, or in the case of a mixed-use building or structure in respect of the non-residential portion thereof, the total area of all building floors above or below grade measured between the outside surfaces of the exterior walls, or between the outside surfaces of exterior walls and the centre line of party walls dividing a non-residential use and a residential use;

“industrial” means non-residential lands, buildings or structures or any part thereof used, designed or intended for manufacturing, processing, fabricating, electricity generation, assembly of raw goods, warehousing or bulk storage of goods, and accessory uses thereof, but does not include buildings or structures used for selling commodities to the general public through a warehouse club;

“institutional” means non-residential lands, buildings or structures or any part thereof used, designed or intended for any non-profit organization, group or association for the promotion of charitable, educational or benevolent objectives, and includes post-secondary institutions, nursing homes and non-profit clubs;

“local board” means a school board, public utility, commission, public library board, board of park management, local board of health, board of commissioners of police, planning board, or any other board, commission, committee, body or local authority established or exercising any power or authority under any legislation with respect to any of the affairs or purposes, including school purposes, of the City of Kawartha Lakes;

“local services” means those services, facilities or things that are:

- (a) under the jurisdiction of the City and related to a plan of subdivision, or within the area to which the plan relates, to which sections 41, 51 or 53 of the Planning Act pertain; and
- (b) those services to which section 59 of the Act pertains;

“Manager of Corporate Assets” means the person who holds that position and his or her delegate(s) or, in the event of organizational changes, another person designated by Council;

“multiple dwelling unit” means any dwelling unit, other than single-detached, semi-detached, row and apartment dwelling units, within a dwelling, and includes any dwelling unit not otherwise defined herein;

“Municipal Act” means the *Municipal Act, 2001*, S.O. 2001, Chap. 25, as amended, or any successor thereof;

“municipal housing dwelling unit” means a dwelling unit that is part of or intended to be part of a municipal housing project facility as defined in City of Kawartha Lakes By-Law 2006-262 (Consolidated Municipal Housing Facilities By-Law), as amended, or any successor thereof;

“municipal service” means a municipal service provided by or on behalf of the City and designated in subsection 2.01 of this by-law;

“nameplate generating capacity”, “nameplate capacity” or “plated capacity” means, in respect of electricity generation development, the maximum rated continuous load-carrying capability to generate electricity, expressed in kilowatts (KW), as verified, if applicable, by the Electrical Safety Authority or any successor thereof or similar regulating authority;

“non-residential” means lands, buildings or structures or any part thereof used, designed or intended for a use that is not a residential use;

“Northwest Lindsay Development Area” means the benefitting area in respect of the Northwest Sanitary Sewer Works Capital Charge, as indicated in Schedule 3 to this by-law;

“Northwest Sanitary Sewer Works Capital Charge” means the capital charge as prescribed by City of Kawartha Lakes By-Law 2015-151 (Northwest Sanitary Sewer Capital Charge), as amended, or any successor thereof;

“owner” means the owner of land, or successor thereof, or a person who has made application for an approval for the development of land upon which development charges are or are to be imposed;

“Planning Act” means the *Planning Act*, R.S.O. 1990, Chap.13, as amended, or any successor thereof;

“police service area” means the area serviced by the City of Kawartha Lakes Police Service, or any successor thereof, that being:

- (a) the union of all land within the former Township of Ops and the former Town of Lindsay, and all land that has been or may be appended thereto by the City to accommodate development, or in the alternative;

(b) all land deemed to receive service by the City of Kawartha Lakes Police Service, or any successor thereof, as otherwise established by Council subsequent to the enactment of this by-law;

“residential” means lands, buildings or structures or any part thereof used, designed or intended to provide accommodation or quarters for living, sleeping, sanitary and culinary purposes, or otherwise to serve as a domestic residence;

“row dwelling unit” means a dwelling unit in a dwelling containing three (3) or more attached dwelling units in a single row whereby each dwelling unit has an exclusive entrance from the outside and is vertically separated from any abutting dwelling unit;

“rural-Ops service area” means all land within the police service area that does not form part of either the water or wastewater service areas;

“rural-other service area” means all land within the general service area that does not form part of the urban-Lindsay, urban-NWT, urban-other or rural-Ops service areas;

“semi-detached dwelling unit” means a dwelling unit in a dwelling consisting of exactly two (2) attached dwelling units whereby each dwelling unit has an exclusive entrance from the outside and is vertically separated from the abutting dwelling unit;

“service area” means a benefitting area in respect of a municipal service or set of municipal services, and includes the police, transit, water, wastewater, wastewater-NWT, general, urban-Lindsay, urban-NWT, urban-other, rural-Ops and rural-other service areas;

“single-detached dwelling unit” means a dwelling unit in a dwelling consisting of exactly one (1) dwelling unit that is not attached to another dwelling unit;

“stacked dwelling unit” means a dwelling unit, other than a row dwelling unit, within a dwelling containing at least three (3) dwelling units whereby each dwelling unit is separated from the others vertically and or horizontally and has an exclusive entrance from the outside;

“temporary building or structure” means a former building or structure that, as determined by the Chief Building Official, was created with the express intention of being used for a continuous period not exceeding six (6) months and existed or substantially existed for a continuous period not exceeding six (6) months;

“transit service area” means the area serviced by the City’s public transit service, that being:

- (a) all land within the former Town of Lindsay, and all land that has been or may be appended thereto by the City to accommodate development, or in the alternative;
- (b) all land deemed to receive the City's public transit service as otherwise established by Council subsequent to the enactment of this by-law;

“urban-Lindsay service area” means the intersection of all land within the transit, police, water and wastewater service areas outside the wastewater-NWT service area;

“urban-NWT service area” means the intersection of all land within the transit, police, water and wastewater-NWT service areas;

“urban-other service area” means the intersection of all land within the water and wastewater service areas outside the urban-Lindsay and urban-NWT service areas;

“wastewater-NWT service area” means the intersection of all land within the Northwest Lindsay Development Area and the wastewater service area;

“wastewater service area” means the union of all land serviced by a City wastewater system, that being all land on which development is, as determined by the Chief Building Official, required, planned or expected to connect, or is capable of being connected in future, to a City wastewater system intended to service the development;

“water service area” means the union of all land serviced by a City water system, that being all land on which development is, as determined by the Chief Building Official, required, planned or expected to connect, or is capable of being connected in future, to a City water system intended to service the development; and

“zoning by-law” means the zoning by-law, or set of zoning by-laws, of the City enacted pursuant to section 34 of the Planning Act.

- 1.02 **Interpretation Rules:** All word variations and derivatives of the terms defined in subsection 1.01 shall carry a corresponding meaning, and the words “include”, “includes”, “inclusive” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.
- 1.03 **Statutes:** References to laws in this by-law are meant to refer to the statutes, as amended from time to time, including the regulations made pursuant thereto, that are applicable within the Province of Ontario.
- 1.04 **Severability:** If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-

law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

2 Section 2.00: Development Charges Respecting Municipal Services

2.01 Designation of Municipal Services: Development charges shall be imposed in respect of the following municipal services to pay for the increased capital-related costs required in respect of the increased needs for services arising from development:

- (a) Health and Social;
- (b) Airport;
- (c) By-Law Enforcement;
- (d) Parking;
- (e) Parks and Recreation;
- (f) Library;
- (g) Administration Studies;
- (h) Fire;
- (i) Paramedic;
- (j) Police;
- (k) Transit;
- (l) Waste Diversion;
- (m) Roads and Related;
- (n) Water Treatment;
- (o) Water Distribution;
- (p) Wastewater Treatment; and
- (q) Wastewater Collection.

2.02 Geographic Application of Development Charges: Respecting the municipal services designated in subsection 2.01, development charges shall be imposed in the general service area, except that:

- (a) police development charges shall be imposed in the police service area only;

- (b) transit development charges shall be imposed in the transit service area only;
- (c) water treatment and water distribution development charges shall be imposed in the water service area only;
- (d) wastewater treatment development charges shall be imposed in the wastewater service area only; and
- (e) wastewater collection development charges shall be imposed in the wastewater service area only, exclusive of the wastewater-NWT service area.

- 2.03 **Development Charges Independent of Specific Need or Benefit:**
Development charges shall be determined and imposed pursuant to this by-law without regard to the specific increase in need for municipal services that may be required by, or the specific municipal service benefits that may be conferred to, any individual or particular development.

Section 3.00: Approvals for Development

- 3.01 **Development Charges Triggered by Development Approvals:**
Development charges shall be imposed against all lands, buildings or structures within the area to which this by-law applies if the development of such lands, buildings or structures requires any of the following approvals or actions:
- (a) the passing of a zoning by-law or an amendment thereto under section 34 of the Planning Act;
 - (b) the approval of a minor variance under section 45 of the Planning Act;
 - (c) a conveyance of land to which a by-law passed under subsection 50(7) of the Planning Act applies;
 - (d) the approval of a plan of subdivision under section 51 of the Planning Act;
 - (e) a consent under section 53 of the Planning Act;
 - (f) the approval of a description under section 9 of the Condominium Act;
or
 - (g) the issuing of a permit under the Building Code Act in relation to a building or structure.
- 3.02 **Multiple Development Approvals:** No more than one development charge for each municipal service designated in subsection 2.01 shall be imposed upon any lands, buildings or structures to which this by-law applies, in respect of a development, even though two or more of the

actions and approvals described in subsection 3.01 may be required before the lands, buildings or structure can be developed.

- 3.03 **Subsequent Development Approvals:** Notwithstanding subsection 3.02, if two or more of the actions or approvals described in subsection 3.01 occur at different times for a development, additional development charges shall be imposed in respect of any increased or additional development arising directly from such approvals or actions.
- 3.04 **After Building Permit Issuance:** Where a development requires an action or approval described in subsection 3.01 after the issuance of a building permit in respect thereof, if the related development charges remain unpaid in whole or in part, the unpaid portion of development charges shall then be paid prior to the execution of the action or granting of the approval that is required.
- 3.05 **Building Permit Not Required:** If a development does not require a building permit but does require one or more of the actions or approvals described in subsection 3.01, the related development charges shall then nonetheless be payable in respect of any increased or additional development arising directly from such action or approval.
- 3.06 **Withholding of Building Permit Issuance:** As permitted by section 28 of the Act, the Chief Building Official shall withhold issuance of a building permit for a development for which any development charges remain unpaid, provided the development is not subject to an agreement pursuant to subsection 4.06 or 4.07 providing for the development charges to be paid at a time other than building permit issuance.
- 3.07 **Local Services and Other Conditions of Development:** Nothing in this by-law prevents the City from requiring as a condition of development, whether or not through a development agreement, that the owner, at his or her own expense, install local services, as the City may require, or that the owner pay for local infrastructure connections or administrative, processing, permit, inspection or other fees or capital, community benefits or other charges as may be required by the City.

4 Section 4.00: Calculation and Payment of Development Charges

- 4.01 **General Basis of Calculation:** Development charges with respect to the use of any land, buildings or structures shall be calculated:
- (a) in the case of residential development, or the residential portion of a mixed-use development, based upon the number and type of dwelling units; and
 - (b) in the case of non-residential development, or the non-residential portion of a mixed-use development, based upon the type of non-

residential development and gross floor area or nameplate generating capacity of such development, whichever unit of measure is applicable.

- 4.02 **Residential Calculation:** The residential development charges per dwelling unit set out in Schedule 1 to this by-law shall be imposed on residential uses of lands, buildings or structures, including a dwelling unit accessory to a non-residential use, and, in the case of a mixed use building or structure, on the residential component thereof, and calculated with respect to each of the applicable municipal services according to the type of dwelling unit.
- 4.03 **Non-Residential Calculation:** The non-residential development charges per unit of gross floor area set out in Schedule 2 to this by-law shall be imposed on non-residential uses of lands, buildings or structures, and, in the case of a mixed use building or structure, on the non-residential component thereof, and calculated with respect to each of the applicable municipal services according to the type of non-residential use.
- 4.04 **Modification for Electricity Generation Calculation:** Notwithstanding subsection 4.03, the non-residential development charges per 500 kilowatts of nameplate generating capacity set out in Schedule 2 to this by-law shall be imposed on electricity generation uses of lands, buildings or structures, and, in the case of a mixed use building or structure, on the electricity generation component thereof, and calculated with respect to each of the applicable municipal services according to each increment of 500 kilowatts of nameplate generating capacity.
- 4.05 **Timing of Calculation and Payment of Development Charges:** Development charges pertaining to a development shall be calculated as of, and shall be payable on, the date the building permit is issued for the development or, if no such permit is or is to be issued, the date the first action or approval described in subsection 3.01 is executed or granted for the development.
- 4.06 **Override with Section 26 the Act:** Notwithstanding subsection 4.05, for a development that requires approval of a plan of subdivision under section 51 of the Planning Act or a consent under section 53 of the Planning Act, and for which a subdivision agreement or consent agreement is or is to be entered into, the City may, in accordance with Council policy, require that the roads and related, water treatment, water distribution, wastewater treatment and or wastewater collection development charges be calculated and made payable immediately upon execution of such an agreement.
- 4.07 **Override with Section 27 of the Act:** Notwithstanding subsection 4.05, the dates on which development charges pertaining to a development are to be calculated and made payable may, in accordance with Council policy, be determined by an agreement between the City and the owner required to pay the development charges.

5 Section 5.00 Development Charges Exemptions, Refunds and Credits

- 5.01 **Legislated General Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed on land owned by and used for the purposes of a municipality, a local board of a municipality or board of education.
- 5.02 **Legislated Residential Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed with respect to actions or approvals outlined in subsection 3.01 related to residential development to which subsection 2(3) of the Act applies.
- 5.03 **Legislated Industrial Exemption:** Notwithstanding any other provision of this by-law, if a development includes the enlargement of the gross floor area of an existing industrial building, the development charges payable in respect of the enlargement shall be determined in accordance with section 4 of the Act.
- 5.04 **Discretionary Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed respecting the development of:
- (a) a place of worship, non-profit hospice, public hospital, cemetery, burial site or crematorium as defined in the Assessment Act;
 - (b) an agricultural building or structure;
 - (c) a park model trailer; or
 - (d) a municipal housing dwelling unit.
- 5.05 **Refund for Temporary Buildings or Structures:** Notwithstanding any other provision of this by-law, a temporary building or structure shall, on a retroactive basis, not be considered development, and, therefore, an owner who paid development charges for a temporary building or structure shall be entitled to a refund of the development charges, without interest, if the owner demonstrates to the satisfaction of the Chief Building Official that the building or structure was indeed temporary.
- 5.06 **Redevelopment Credit:** Subject to subsection 5.07, but notwithstanding any other provision of this by-law, where, as a result of the redevelopment of land, a building or structure, or part thereof, existing on the same land was, or is to be demolished, in whole or in part, or converted from one principal use to another principal use, in order to facilitate the redevelopment, the development charges otherwise pertaining to such a redevelopment shall, as determined by the Chief Building Official based on information he or she considers verifiable, be reduced by:

- (a) in the case of a residential building or structure, or in the case of a mixed-use building or structure, the residential uses in the mixed-use building or structure, an amount calculated by multiplying the applicable development charge rate by the number, according to type, of dwelling units that have been or will be demolished or converted to another principal use; and
- (b) in the case of a non-residential building or structure or, in the case of mixed-use building or structure, the non-residential uses in the mixed-use building or structure, an amount calculated by multiplying the applicable development charge rate by the gross floor area or nameplate generating capacity, whichever unit of measure is applicable, that has been or will be demolished or converted to another principal use.

5.07 Restrictions on Redevelopment Credit: Subject to subsection 5.08, and in respect of development charges pertaining to a redevelopment, a reduction in the development charges determined pursuant to subsection 5.06:

- (a) shall not exceed the amount of the development charges otherwise payable pursuant to this by-law; and
- (b) shall apply only if the existing building or structure in question was, as determined by the Chief Building Official, capable of being occupied within the three (3) year period prior to the development charges becoming payable pursuant to this by-law.

5.08 Override of Redevelopment Credit Obtainability Period: Through an agreement or such other means as the City considers appropriate, the City may, in accordance with Council policy, grant an extension of the three (3) year period referred to in paragraph (b) of subsection 5.07 by up to seven (7) years.

5.09 Credit Related to Expiration or Revocation of Building Permit: Where a building permit has been issued for a development on land for which development charges have been paid, in the case that the building permit expires or is revoked, the development charges shall not be refunded but instead shall be credited against any subsequent development charges that may become payable as a result of any subsequent actions or approvals described in subsection 3.01 being executed or granted in respect of the same land.

5.10 Onus on Owner: The onus is on the owner liable for development charges to produce evidence to the satisfaction of the Chief Building Official that the owner is indeed entitled to an exemption, refund or credit pursuant to this section.

6 Section 6.00: Administrative Matters

- 6.01 **Override by Prior Agreement:** The provisions of an agreement between the City and an owner setting out the development charges and or services in lieu of development charges to be paid for or provided by the owner shall override this by-law if the agreement was executed before the coming into force of this by-law.
- 6.02 **By-Law Administration:** The Chief Building Official and Manager of Corporate Assets are jointly responsible for the administration of this by-law, where the former position is responsible for day-to-day administration and the latter position is responsible for general administration and oversight.
- 6.03 **Interest:** The City shall pay interest on a refund issued pursuant to subsection 18(3) or 25(2) of the Act in accordance with the minimum interest rate as prescribed by the Act subject to that rate being updated by the City Treasurer on the first business day of every January, April, July and October during the term of this by-law.
- 6.04 **Restructuring of Reserve Fund:** Upon enactment of this by-law, pursuant to section 33 of the Act the City Treasurer shall restructure the development charge reserve fund as necessary into separate accounts respecting the municipal services designated in subsection 2.01.
- 6.05 **Replenishment of Reserve Fund:** To ensure transparent and timely compliance with paragraph 3 of subsection 5(6) of the Act, the City Treasurer shall ensure the development charge reserve fund is replenished annually from other City funds to correct shortfalls in the development charge reserve fund resulting from development charges exemptions or any similar cause that may arise.
- 6.06 **Phasing in of Development Charges:** The development charges set out in Schedule 1 and Schedule 2 shall not be phased in, and, subject to indexation in accordance with subsection 6.07, shall take effect upon the coming into force of this by-law.
- 6.07 **Indexation of Development Charges:** Without amendment to this by-law, starting on January 1, 2020 the Manager of Corporate Assets shall annually index the development charges set out in Schedule 1 and Schedule 2 in accordance with the most recently published Statistics Canada Quarterly Construction Price Statistics Index, or any successor thereof, whereupon the indexed development charges shall take effect at 12:01am on January 1 of the year during which they are to be in effect.
- 6.08 **Collection as Property Taxes:** In accordance with subsection 32(1) of the Act, development charges or any portion thereof that remain unpaid after they become payable by the subject owner shall be added to the tax roll and shall be collected from the owner in the same manner as property taxes.

- 6.09 **Registration on Title:** As permitted by section 42 of the Act, the City may register a certified copy of this by-law with the Land Registry Office, or any successor thereof, against title to any land to which this by-law applies.

7 Section 7.00 Other Matters

- 7.01 **Schedules:** The following schedules to this by-law form part of this by-law:
- (a) Schedule 1: Residential Development Charges;
 - (b) Schedule 2: Non-Residential Development Charges; and
 - (c) Schedule 3: Northwest Lindsay Development Area.
- 7.02 **Abbreviations in Schedules:** The following equivalences apply to abbreviations used in the schedules to this by-law:
- (a) “GFA” stands for gross floor area;
 - (b) “NGC” stands for nameplate generating capacity; and
 - (c) “KW” stands for kilowatt or kilowatts, as context requires.
- 7.03 **Subsequent By-Laws:** This by-law does not preclude the enactment of subsequent by-laws imposing development charges within the City.
- 7.04 **Headings for Reference Only:** Headings herein are used for reference only and shall not affect the construction or interpretation of this by-law.
- 7.05 **Effective Date and Expiry:** This by-law shall come into force at 12:01am January 1, 2020, and shall expire at 12:01am January 1, 2025 unless it is repealed prior thereto.
- 7.06 **Repeal:** By-Law 2015-224 (A By-Law to Impose Development Charges in the City of Kawartha Lakes) is repealed upon the coming into force of this by-law.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

Schedule 1: Residential Development Charges

The residential development charges shall be the development charges in the following table, subject to indexation:

Service	RESIDENTIAL			
	Single and Semi-Detached Dwelling	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	Row or Multiple
Municipal Wide Services:				
Fire Services	341	205	154	304
Police Services ¹	393	236	178	350
Roads and Related	6,027	3,615	2,724	5,361
Transit Services ²	240	144	108	213
Parking Services	111	66	50	98
Airport Services	22	13	10	20
Parks and Recreation	664	398	300	590
Library Services	340	204	154	303
Paramedic Services	190	114	86	169
Municipal By-law Enforcement	14	9	6	13
Health & Social Services	206	123	93	183
Waste Diversion Services	64	38	29	57
Administration Studies	362	217	164	322
Total Municipal Wide Services	8,974	5,382	4,056	7,983
Urban Services				
Wastewater Treatment	4,057	2,433	1,834	3,609
Wastewater Collection ³	5,890	3,533	2,662	5,240
Water Treatment	3,185	1,910	1,439	2,833
Water Distribution	3,302	1,981	1,493	2,938
Total Urban Services	16,434	9,857	7,428	14,620
Urban - Lindsay	25,408	15,239	11,484	22,603
Urban - NWT	19,518	11,706	8,822	17,363
Urban - Other	24,776	14,859	11,198	22,040
Rural - Ops	8,734	5,238	3,948	7,770
Rural - Other	8,341	5,002	3,770	7,420

1. Police services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area

Schedule 2: Non-Residential Development Charges

The non-residential development charges shall be the development charges in the following table, subject to indexation:

Service	NON-RESIDENTIAL (per sq.m. of Gross Floor Area)				NON-RESIDENTIAL (per 500kW nameplate generating capacity)
	Uniform	Industrial	Commercial	Institutional	
Municipal Wide Services:					
Fire Services	2.79	1.54	3.66	2.59	341
Police Services ¹	2.69	1.51	3.62	2.59	393
Roads and Related	49.21	26.86	64.48	46.06	6027
Transit Services ²	1.71	0.96	2.30	1.65	
Parking Services	0.90	0.49	1.18	0.84	
Airport Services	0.18	0.10	0.24	0.17	
Parks and Recreation	1.91	1.91	1.91	1.91	
Library Services	0.98	0.98	0.98	0.98	
Paramedic Services	1.55	0.85	2.03	1.45	190
Municipal By-law Enforcement	0.12	0.06	0.15	0.11	
Health & Social Services					
Waste Diversion Services	0.52	0.29	0.68	0.49	
Administration Studies	2.95	1.61	3.87	2.77	362
Total Municipal Wide Services	65.50	37.15	85.11	61.59	7,314
Urban Services					
Wastewater Treatment	28.24	15.32	36.76	26.26	
Wastewater Collection ³	51.90	28.15	67.56	48.26	
Water Treatment	22.41	12.30	29.52	21.07	
Water Distribution	23.24	12.76	30.61	21.85	
Total Urban Services	125.79	68.53	164.44	117.45	-
Urban - Lindsay	191.29	105.68	249.55	179.04	7,314
Urban - NWT	139.40	77.53	181.99	130.78	7,314
Urban - Other	186.90	103.21	243.62	174.81	6,921
Rural - Ops	63.79	36.20	82.81	59.95	7,314
Rural - Other	61.10	34.69	79.18	57.36	6,921

1. Polices services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area

[illegible]



Addendum to 2019 Development Charges Background Study

City of Kawartha Lakes

For Public Circulation and Comment

November 29, 2019

Watson & Associates Economists Ltd.
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1. Summary of Revisions to the October 7, 2019 Development Charges Background Study

1.1 Background

Commensurate with the provisions of the Development Charges Act (D.C.A.), 1997, the City of Kawartha Lakes (City) has undertaken a Development Charges Background Study (D.C.B.S.) and has distributed the study and draft by-law to the public. The following provides a summary of the key dates in the Development Charges (D.C.s) by-law process:

- October 7, 2019 – Release of the D.C.B.S.
- November 5, 2019 – Public Meeting of Council
- December 10, 2019 – Anticipated passage of D.C. By-law

The purpose of the addendum to the October 7, 2019 D.C.B.S. is to provide for:

- Revisions to the calculation of the charges arising from updates made to estimated 2019 year-end D.C. reserve fund balances and to include as an appendix to the D.C.B.S. the detailed calculations supporting the 2019 year-end reserve fund balances;
- Updated Waste Diversion services D.C. calculations; and
- Recommended D.C. by-law policies;

The refinements are detailed in the subsequent sections of this report, and will form part of the D.C.B.S. for Council's consideration and approval prior to adoption of the D.C. by-law.



2. Discussion

2.1 D.C. Reserve Fund Balances

Subsequent to the issuance of the October 7, 2019 D.C.B.S, required revisions to the D.C.B.S. and draft D.C. by-law have been identified related to the 2019-year end D.C. reserve fund balances used in the calculation of the D.C. Furthermore, the detailed calculations supporting the 2019-year-end reserve fund balances have been included as Appendix G to the 2019 D.C.B.S.

The updated D.C. reserve fund balances are included in Table 2-1 in comparison to the balances used in the October 7, 2019 D.C.B.S. The total reserve fund balance has been decreased by \$38,519 to account for corrections to the actual and required funding of past D.C. projects.

Table 2-1
D.C. Reserve Fund Balances (projected at year-end 2019)
Comparison of October 7, 2019 D.C.B.S. to Addendum

Service	October 7, 2019 D.C.B.S.	Addendum	Change
Health and Social	840,337	840,337	-
Library	(16,644)	(16,644)	-
Parks and Recreation	(1,276,586)	(1,276,586)	-
Fire	(1,080,259)	(864,321)	215,938
Paramedic	86,625	86,625	-
Police	888,410	888,410	-
Airport	232,126	232,126	-
Transit	(229,320)	(229,320)	-
Administration	(2,527,713)	(2,523,176)	4,537
Water Treatment	1,569,240	1,607,996	38,756
Water Distribution	390,616	390,616	-
Wastewater Treatment	6,643,671	6,643,671	-
Wastewater Collection	(14,257,469)	(14,296,226)	(38,757)
Roads and Related	651,021	392,028	(258,993)
Waste Diversion		-	-
By-Law Enforcement		-	-
Municipal Parking		-	-
Total	(8,085,944)	(8,124,463)	(38,519)



2.2 Waste Diversion

Within the calculation of the charge for Waste Diversion services in the October 7, 2019 D.C.B.S. were the anticipated growth-related capital costs of “Waste Diversion Contract Service Expansion” (Waste Diversion services project #1). Since the issuance of the October 7, 2019 D.C.B.S. the City has received updated Waste Diversion contract costs resulting in a decrease in anticipated growth-related capital costs included in the calculation of the charge of \$308,310 (decrease from \$636,438 to \$328,128).

2.3 D.C. By-Law Policies

At the November 5, 2019 D.C. public meeting, City Council provided the following direction regarding policies to be included in the City’s D.C. by-law:

- Non-residential D.C.s to reflect a uniform D.C. calculation for industrial, commercial, and institutional development;
- The D.C. by-law is to take effect on April 1, 2020;
- All industrial development is to be fully exempt from the payment of D.C.s; and
- The first 2,500 sq.m. of gross floor area (G.F.A.) for any single commercial development is to be exempt from the payment of D.C.s.

The changes are reflected in the amended draft D.C. by-law included herein.



3. Impacts on the Calculated D.C.s

The refinements presented in Chapter 2 have impacts on the calculated charges in the October 7, 2019 D.C.B.S. Tables 3-1 and 3-2 present the updated calculated D.C. for residential and non-residential development respectively.

The amended charges are compared to the October 7, 2019 D.C.B.S. charges in Table 3-3. The amended charge for a single detached residential unit would decrease by \$28 in the rural areas of the City. The charge within the urban service areas would decrease by \$23 outside of the Northwest Lindsay Development Area and by \$32 within the Northwest Lindsay Development Area. For non-residential development the charge per sq.m. of G.F.A. decreases by \$0.23 in the rural area. Within the urban service areas, the non-residential charge per sq.m. of G.F.A. decreases by \$0.18 outside the Northwest Lindsay Development Area and by \$0.25 within the Northwest Lindsay Development Area.



Table 3-1
City of Kawartha Lakes
Calculated Schedule of Residential Development Charges

Service	RESIDENTIAL			
	Single and Semi-Detached Dwelling	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	Row or Multiple
Municipal Wide Services:				
Fire Services	322	193	146	287
Police Services ¹	393	236	178	350
Roads and Related	6,049	3,628	2,734	5,381
Transit Services ²	240	144	108	213
Parking Services	111	66	50	98
Airport Services	22	13	10	20
Parks and Recreation	664	398	300	590
Library Services	340	204	154	303
Paramedic Services	190	114	86	169
Municipal By-law Enforcement	14	9	6	13
Health & Social Services	206	123	93	183
Waste Diversion Services	33	20	15	29
Administration Studies	362	217	164	322
Total Municipal Wide Services	8,946	5,365	4,044	7,958
Urban Services				
Wastewater Treatment	4,057	2,433	1,834	3,609
Wastewater Collection ³	5,899	3,538	2,666	5,247
Water Treatment	3,181	1,908	1,438	2,829
Water Distribution	3,302	1,981	1,493	2,938
Total Urban Services	16,439	9,860	7,431	14,623
Urban - Lindsay	25,385	15,225	11,475	22,581
Urban - NWT	19,486	11,687	8,809	17,334
Urban - Other	24,752	14,845	11,189	22,018
Rural - Ops	8,706	5,221	3,936	7,745
Rural - Other	8,313	4,985	3,758	7,395

1. Police services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area



Table 3-2
City of Kawartha Lakes
Calculated Schedule of Non-Residential Development Charges

Service	NON-RESIDENTIAL	
	per sq.m. of Gross Floor Area	per 500kW nameplate generating capacity
Municipal Wide Services:		
Fire Services	2.63	322
Police Services ¹	2.69	393
Roads and Related	49.39	6049
Transit Services ²	1.71	
Parking Services	0.90	
Airport Services	0.18	
Parks and Recreation	1.91	
Library Services	0.98	
Paramedic Services	1.55	190
Municipal By-law Enforcement	0.12	
Health & Social Services		
Waste Diversion Services	0.27	
Administration Studies	2.95	362
Total Municipal Wide Services	65.27	7,316
Urban Services		
Wastewater Treatment	28.24	
Wastewater Collection ³	51.97	
Water Treatment	22.39	
Water Distribution	23.24	
Total Urban Services	125.84	-
Urban - Lindsay	191.11	7,316
Urban - NWT	139.14	7,316
Urban - Other	186.71	6,923
Rural - Ops	63.56	7,316
Rural - Other	60.87	6,923

1. Polices services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area



Table 3-3
City of Kawartha Lakes
Comparison of Calculated Development Charges (October 7, 2019 D.C.B.S. vs. Addendum)

Service	Single and Semi-Detached Dwelling				Non-Residential			
	October 7, 2019 D.C.B.S.	Addendum	Change (%)	Change (\$)	October 7, 2019 D.C.B.S.	Addendum	Change (%)	Change (\$)
Municipal Wide Services:								
Fire Services	341	322	-5.5%	(19)	2.79	2.63	-5.6%	(0.16)
Police Services 1	393	393	0.0%	-	2.69	2.69	0.0%	-
Roads and Related	6,027	6,049	0.4%	22	49.21	49.39	0.4%	0.18
Transit Services 2	240	240	0.0%	-	1.71	1.71	0.0%	-
Parking Services	111	111	0.0%	-	0.90	0.90	0.0%	-
Airport Services	22	22	0.0%	-	0.18	0.18	0.0%	-
Parks and Recreation	664	664	0.0%	-	1.91	1.91	0.0%	-
Library Services	340	340	0.0%	-	0.98	0.98	0.0%	-
Paramedic Services	190	190	0.0%	-	1.55	1.55	0.0%	-
Municipal By-law Enforcement	14	14	0.0%	-	0.12	0.12	0.0%	-
Health & Social Services	206	206	0.0%	-	-	-	-	-
Waste Diversion Services	64	33	-48.4%	(31)	0.52	0.27	-48.3%	(0.25)
Administration Studies	362	362	0.0%	(0)	2.95	2.95	0.0%	0.00
Total Municipal Wide Services	8,973	8,946	-0.3%	(28)	65.50	65.27	-0.4%	(0.23)
Urban Services								
Wastewater Treatment	4,057	4,057	0.0%	-	28.24	28.24	0.0%	-
Wastewater Collection 3	5,890	5,899	0.2%	9	51.90	51.97	0.1%	0.07
Water Treatment	3,185	3,181	-0.1%	(4)	22.41	22.39	-0.1%	(0.02)
Water Distribution	3,302	3,302	0.0%	-	23.24	23.24	0.0%	-
Total Urban Services	16,434	16,439	0.0%	5	125.79	125.84	0.0%	0.05
Urban - Lindsay	25,408	25,385	-0.1%	(23)	191.29	191.11	-0.1%	(0.18)
Urban - NWT	19,518	19,486	-0.2%	(32)	139.39	139.14	-0.2%	(0.25)
Urban - Other	24,775	24,752	-0.1%	(23)	186.89	186.71	-0.1%	(0.18)
Rural - Ops	8,734	8,706	-0.3%	(28)	63.79	63.56	-0.4%	(0.23)
Rural - Other	8,341	8,313	-0.3%	(28)	61.10	60.87	-0.4%	(0.23)



4. Changes to the D.C.B.S.

Based on the foregoing, the following revisions are made to the pages within the October 7, 2019 D.C.B.S. Accordingly, the revised pages are appended to this report:

- Page 4-9 – Revised to reflect updated reserve fund balances in Table 2-1;
- Pages 5-6, 5-15, and C-35 to C-37 – Updated to reflect changes in the Waste Diversion Services capital needs and calculated D.C. described in Section 2.2;
- Pages 5-16, and C-38 to C-40 – Reissued to reflect updated Administration services D.C. reserve fund balances;
- Pages 5-23, 5-25 to 5-28, and C-10 to C-14 – Reissued to reflect updated Roads and Related Services D.C. reserve fund balances;
- Pages 5-24, 5-30, and C-2 to C-6 - Reissued to reflect updated Fire Services D.C. reserve fund balances;
- Pages 5-37 and C-46 to C-50 - Reissued to reflect updated Wastewater Collection Services D.C. reserve fund balances;
- Pages 5-38 and C-51 to C-55 - Reissued to reflect updated Water Treatment Services D.C. reserve fund balances;
- Pages 6-1 to 6-13 – Updated to reflect changes in the calculated charges described in Chapter 3;
- Page 7-3 – Revised to reflect the recommended uniform non-residential D.C. calculation;
- Page 7-5 – Updated to reflect additional non-statutory D.C. exemptions;
- Page 7-6 to 7-7 – Reissued for updated page numbering;
- Page 7-8 – Updated for anticipated D.C. by-law effective date;
- Page 7-9 – Reissued to reflect this addendum;
- Appendix F – Revised draft D.C. By-Law; and
- Appendix G – Included to provide details on D.C. reserve fund calculations.



5. Process for Adoption of the D.C. By-law

The revisions provided herein form the basis for the D.C. by-law and will be incorporated into the D.C.B.S. to be provided to Council prior to Council's consideration and adoption of the proposed D.C. by-law on December 10, 2019.

If Council is satisfied with the above noted changes to the D.C.B.S. and D.C. by-law, then prior to by-law passage Council must:

- Approve the D.C.B.S., as amended;
- Determine that no further public meetings are required on the matter; and
- Adopt the new D.C. by-law.



Appendix



Appendix A

Amended Pages



There is no explicit requirement under the D.C.A. calculation method set out in s.s.5(1) to net the outstanding reserve fund balance as part of making the D.C. calculation; however, s.35 does restrict the way in which the funds are used in future.

The City's uncommitted D.C. Reserve Fund Balance by service as projected for year-end 2019 is presented in the table below. These balances have been applied against future spending requirements for all D.C. services. Appendix G of this report contains detailed support of the D.C. reserve fund reconciliation calculations.

Table 4-2
D.C. Reserve Fund Balances (projected at year-end 2019)

Service	Totals
Health and Social	840,337
Library	(16,644)
Parks and Recreation	(1,276,586)
Fire	(864,321)
Paramedic	86,625
Police	888,410
Airport	232,126
Transit	(229,320)
Administration	(2,523,176)
Water Treatment	1,607,996
Water Distribution	390,616
Wastewater Treatment	6,643,671
Wastewater Collection	(14,296,226)
Roads and Related	392,028
Waste Diversion	
By-Law Enforcement	
Municipal Parking	
Total	(\$8,124,463)

Note: Amounts in brackets are deficit balances.

4.9 Deductions

The D.C.A. potentially requires that five deductions be made to the increase in the need for service. These relate to:

- the level of service ceiling;
- uncommitted excess capacity;
- benefit to existing development;



The net growth-related costs have been allocated 100% residential based on service demands.

5.1.8 Waste Diversion Services

The City provides a total of 24,252 sq.ft. of solid waste management facility space, of which 7,165 sq.ft. (30%) is for waste diversion services D.C. eligible. The facility space related to landfill services have been excluded from the historical level of service calculations, as these services are ineligible services under the D.C.A. Moreover, 102 vehicle and equipment items and other siteworks items are provided for solid waste management services, which on average 21% relate to waste diversion services. In total, this capital investment in waste diversion services results in a 10-year historical average level of service of \$61 per capita and employee. Applying this historical average level of service to the anticipated development over the 10-year forecast period, the City would be eligible to collect a maximum of \$1.2 million for this purpose.

The City has identified a provision for the capital-related waste diversion contract costs with a total gross cost of \$269,020. Furthermore, additional waste management studies have also been identified in the D.C. program totaling \$1.5 million. After deducting \$1.0 million reflective of the non-waste diversion services share of the anticipated needs, \$396,433 for the benefit to existing development, and \$36,459 for the statutory 10% deduction, the net D.C. recoverable costs included in the calculation of the charge total \$328,128.

The D.C. eligible capital costs for waste diversion services have been allocated 87% to residential development and 13% to non-residential development, based on the anticipated population and employment over the forecast period.

5.1.9 Administration Studies

The City has made provision for the inclusion of new studies undertaken to facilitate this D.C. process, as well as other studies which benefit growth (in whole or in part). The list of studies includes future D.C. background studies, Growth Management Studies, Official Plan Reviews, and Zoning By-law Reviews, among others.

The cost of these studies totals over the forecast period \$1.8 million. Approximately \$693,000 is deducted as a benefit to existing development. A further \$111,734 has been deducted from the capital costs reflective of the statutory 10% deduction for soft



Infrastructure Costs Covered in the D.C. Calculation – Waste Diversion Services

Prj .No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Subtotal	Less:	Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development		Other (e.g. 10% Statutory Deduction)	Total	Residential Share 87%	Non-Residential Share 13%
	2020-2029												
1	Waste Diversion Contract Service Expansion	2020-2029	269,020	-		269,020	-		269,020	26,902	242,118	210,642	31,475
			-	-		-	-		-	-	-	-	-
	Studies		-	-		-	-		-	-	-	-	-
2	Waste Management Site Capital Needs Assessment	2020	100,000	-		100,000	84,442		15,558	1,556	14,002	12,182	1,820
3	Source-Separated Organics Feasibility Study	2023	200,000	-		200,000	168,884		31,116	3,112	28,004	24,364	3,641
4	Intergrated Waste Management Strategy	2024	100,000	-	84,000	16,000	4,000		12,000	1,200	10,800	9,396	1,404
5	Intergrated Waste Management Strategy	2029	100,000	-	84,000	16,000	4,000		12,000	1,200	10,800	9,396	1,404
6	Waste Management EA Study	2020-2029	1,000,000	-	840,000	160,000	135,107		24,893	2,489	22,404	19,491	2,912
			-	-		-	-		-	-	-	-	-
			-	-		-	-		-	-	-	-	-
	Reserve Fund Adjustment		-	-		-	-		-	-	-	-	-
			-	-		-	-		-	-	-	-	-
			-	-		-	-		-	-	-	-	-
	Total		1,769,020	-	1,008,000	761,020	396,433	-	364,586	36,459	328,128	285,471	42,657



Infrastructure Costs Covered in the D.C. Calculation – Administration Studies

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Subtotal	Less:	Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development		Other (e.g. 10% Statutory Deduction)	Total	Residential Share	Non-Residential Share
	2020-2029										87%	13%
	General Studies & Plans		-	-	-	-		-	-	-	-	-
1	Asset Management Plan	2020	80,000	-	80,000	67,554		12,446	1,245	11,202	9,746	1,456
2	Asset Management Plan	2023	80,000	-	80,000	67,554		12,446	1,245	11,202	9,746	1,456
3	Asset Management Plan	2026	80,000	-	80,000	67,554		12,446	1,245	11,202	9,746	1,456
4	Development Charge Background Study	2023	70,000	-	70,000	-		70,000	7,000	63,000	54,810	8,190
5	Development Charge Background Study	2027	70,000	-	70,000	-		70,000	7,000	63,000	54,810	8,190
6	Growth Management Strategy	2020	100,000	-	100,000	-		100,000	10,000	90,000	78,300	11,700
7	Growth Management Strategy	2025	100,000	-	100,000	-		100,000	10,000	90,000	78,300	11,700
8	Official Plan Review / Update	2021	100,000	-	100,000	50,000		50,000	5,000	45,000	39,150	5,850
9	Official Plan Review / Update	2026	100,000	-	100,000	50,000		50,000	5,000	45,000	39,150	5,850
10	Zoning By-Law Review / Update	2028	140,000	-	140,000	70,000		70,000	7,000	63,000	54,810	8,190
11	Rural Zoning By-Law Review / Update	2020	90,000	-	90,000	45,000		45,000	4,500	40,500	35,235	5,265
12	Urban Zoning By-Law Review / Update	2023	100,000	-	100,000	50,000		50,000	5,000	45,000	39,150	5,850
13	Commercial Lands Supply	2020	100,000	-	100,000	-		100,000	10,000	90,000	78,300	11,700
14	Commercial Lands Supply	2025	100,000	-	100,000	-		100,000	10,000	90,000	78,300	11,700
15	Natural Heritage System Study	2020	50,000	-	50,000	25,000		25,000	2,500	22,500	19,575	2,925
16	Natural Heritage System Study	2025	50,000	-	50,000	25,000		25,000	2,500	22,500	19,575	2,925
17	Agricultural Land Evaluation and Area Review Study	2020	50,000	-	50,000	25,000		25,000	2,500	22,500	19,575	2,925
18	Agricultural Land Evaluation and Area Review Study	2025	50,000	-	50,000	25,000		25,000	2,500	22,500	19,575	2,925
19	Flood Plain Mapping	2020	100,000	-	100,000	25,000		75,000	7,500	67,500	58,725	8,775
19	Secondary Plans/Aggregate Policy Study	2020	100,000	-	100,000	50,000		50,000	5,000	45,000	39,150	5,850
20	Secondary Plans/Aggregate Policy Study	2025	100,000	-	100,000	50,000		50,000	5,000	45,000	39,150	5,850
	Reserve Fund Adjustment							2,523,176		2,523,176	2,195,163	328,013
	Total		1,810,000	-	1,810,000	692,661	-	3,640,516	111,734	3,528,782	3,070,040	458,742



works vehicle and equipment items. Also included in the capital forecast is \$2.4 million for various studies related to the provision of roads engineering and operations services (such as Transportation Master Plan, Road Needs Studies, etc.). In addition to these projects the net present value of outstanding principal and interest payments for debt the City has issued in relation to Roads and Related D.C. reserve fund deficits is \$5.0 million.

The benefit to existing development totals \$104.5 million and has been applied by project type based on the following provisions:

- 0% benefit to existing for purchase of new vehicles;
- 81% for roads operations depots based on the replacement of existing facility space;
- 82% benefit to existing for growth-related studies to inform future needs; based on an increase in agents over the forecast period;
- 25-50% benefit to existing for master plans;
- 90% benefit to existing for urban/rural road reconstruction projects;
- 20% benefit to existing for road reconstruction and widening projects;
- 0-50% benefit to existing for new bridge/large culvert crossing and reconstruction with widenings;
- 5% benefit to existing for intersection improvements; and
- 10% benefit to existing for signalization projects.

Moreover, \$1.8 million has been deducted to account for sale proceeds from existing depots and \$1.1 million for the benefit of additional roads operations depots space beyond 2031. After accounting existing reserve funds of approximately \$392,000, \$70.9 million in capital needs have been included in the D.C. calculation.

The net growth-related costs for roads and related services have been allocated between future residential and non-residential development on the basis of incremental population to employment growth over the 12-year forecast period (i.e. 87% residential and 13% non-residential).



5.3.2 Fire Services

The City currently has 21 fire stations as well as associated training centre and storage facilities. In total these fire facilities supply 85,304 sq.ft. of building space, providing a per capita and employee average level of service of \$313. The fire department also has a current inventory of vehicles and equipment totalling 83 items and equipment for 373 fire fighters. The average capital investment per capita and employee over the past 10-year period is \$295. In aggregate, based on the average level of service provided, the maximum D.C. eligible amount that could be included in the calculation of the charge for fire services is \$10.4 million.

Based on the needs identified in the City's 2015 D.C. Background Study, Fire Master Plan and Capital Budget, the City is anticipating expanding two fire stations, purchasing upgraded extrication equipment, adding vehicles and equipment, and undertaking a future Fire Master Plan. The gross capital costs for the capital program discussed above total \$13.7 million. A benefit to existing deduction of \$10.1 million has been applied to reflect the replacement of existing facility space in the expansion of facilities., as well as a \$717,881 deduction to reflect the benefit to growth between 2031-2041 reflective of the timing of the Master Plan forecast. Incorporating an uncommitted reserve fund deficit of \$864,000, a total of \$3.7 million in net growth-related fire service needs have been included in the calculation of the D.C.

The allocation of net growth-related costs for fire services between residential and non-residential development is 87% residential and 13% non-residential based on the relationship of incremental population and employment growth over the 12-year period.



Infrastructure Costs Covered in the D.C. Calculation – Roads and Related Services

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 87%	Non-Residential Share 13%
	2020-2031										
	Land		-	-		-	-		-	-	-
1	Operations Depots	2020-2031	747,000	31,327	51,000	664,673	605,685		58,988	51,320	7,668
	Buildings		-	-		-	-		-	-	-
	North		-	-		-	-		-	-	-
2	Coboconk Depot Expansion	2020-2031	960,000	42,512	66,000	851,488	768,229		83,259	72,435	10,824
3	Carden Depot Expansion	2020-2031	941,000	41,670	65,000	834,330	753,025		81,305	70,735	10,570
	Central										
4	Central Roads Operations Depot EA Study	2020	155,000	9,235	11,000	134,765	113,343		21,423	18,638	2,785
5	Central Roads Operations Depot	2027	9,149,800	545,128	627,000	7,977,672	6,690,729		1,286,943	1,119,641	167,303
6	Fenelon Depot Expansion	2027	304,000	18,112	21,000	264,888	222,298		42,590	37,054	5,537
7	Eldon Depot Improvements	2027	176,000	10,486	12,000	153,514	128,699		24,815	21,589	3,226
	South		-	-		-	-		-	-	-
8	South Primary Roads Operations Depot	2031	12,881,000	370,980	883,000	11,627,020	11,207,507		419,512	364,976	54,537
9	Manvers Depot Expansion	2031	423,000	12,183	29,000	381,817	368,044		13,773	11,983	1,791
10	Emily Depot Improvements	2031	176,000	5,069	12,000	158,931	153,134		5,797	5,043	754
	Fleet & Equipment		-	-		-	-		-	-	-
11	Backhoe	2023	165,000	-		165,000	-		165,000	143,550	21,450
12	Loader	2023	175,200	-		175,200	-		175,200	152,424	22,776
13	Trackless Tractor	2022	200,000	-		200,000	-		200,000	174,000	26,000
14	Trackless Tractor	2022	200,000	-		200,000	-		200,000	174,000	26,000
15	Trackless Tractor	2025	200,000	-		200,000	-		200,000	174,000	26,000
16	Trackless Tractor	2025	200,000	-		200,000	-		200,000	174,000	26,000
17	Trackless Tractor	2029	200,000	-		200,000	-		200,000	174,000	26,000
18	Trackless Tractor	2029	200,000	-		200,000	-		200,000	174,000	26,000
19	Truck - Single Axle	2022	250,000	-		250,000	-		250,000	217,500	32,500
20	Truck - Single Axle	2025	250,000	-		250,000	-		250,000	217,500	32,500
21	Truck - Single Axle	2029	250,000	-		250,000	-		250,000	217,500	32,500
	Studies		-	-		-	-		-	-	-
22	Roads Needs Study	2021	145,000	-		145,000	119,208		25,792	22,439	3,353
23	Roads Needs Study	2026	145,000	-		145,000	119,208		25,792	22,439	3,353
24	Roads Needs Study	2031	145,000	-		145,000	119,208		25,792	22,439	3,353
25	Storm Sewer Capacity Study	2022	180,000	-		180,000	147,982		32,018	27,856	4,162
26	Storm Sewer Capacity Study	2027	180,000	-		180,000	147,982		32,018	27,856	4,162
27	Bridge Structures Study	2020	146,900	-		146,900	120,770		26,130	22,733	3,397



Infrastructure Costs Covered in the D.C. Calculation – Roads and Related Services (Cont'd)

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 87%	Non-Residential Share 13%
	2020-2031										
28	Bridge Structures Study	2022	146,900	-		146,900	120,770		26,130	22,733	3,397
29	Bridge Structures Study	2024	146,900	-		146,900	120,770		26,130	22,733	3,397
30	Bridge Structures Study	2026	146,900	-		146,900	120,770		26,130	22,733	3,397
31	Bridge Structures Study	2028	146,900	-		146,900	120,770		26,130	22,733	3,397
32	Bridge Structures Study	2030	146,900	-		146,900	120,770		26,130	22,733	3,397
33	Transportation Master Plan & Active Transportation Master Plan	2021	300,000	-		300,000	75,000		225,000	195,750	29,250
34	Transportation Master Plan & Active Transportation Master Plan	2031	300,000	-		300,000	75,000		225,000	195,750	29,250
35	Roads Operations Master Plan	2028	100,000	-		100,000	25,000		75,000	65,250	9,750
	Roads		-	-		-	-		-	-	-
36	Downtown Lindsay Reconstruction (URR) - Phase 2 of 4 (Lindsay)	2020	4,488,000	-		4,488,000	4,039,200		448,800	390,456	58,344
37	Colborne St. Reconstruction (URR) - William St. to Adelaide St. (Lindsay)	2020	4,380,000	-		4,380,000	3,942,000		438,000	381,060	56,940
38	Lindsay St. Design (URR) - Russell St. to Mary St. (Lindsay)	2020	150,000	-		150,000	135,000		15,000	13,050	1,950
39	William St. Design (URR) - Colborne St. to Orchard Park Rd. (Lindsay)	2020	90,000	-		90,000	81,000		9,000	7,830	1,170
40	St. Patrick St. Design (URR) - Queen St. to North End (Lindsay)	2020	90,000	-		90,000	81,000		9,000	7,830	1,170
41	St. James St. and Dominion Dr. Design (URR) - All Sections (Lindsay)	2020	75,000	-		75,000	67,500		7,500	6,525	975
42	Downtown Lindsay Reconstruction (URR) - Phase 3 of 4 (Lindsay)	2021	6,038,000	-		6,038,000	5,434,200		603,800	525,306	78,494
43	Colborne St. Reconstruction (URR) - Trent Canal to Bond St. (Fenelon Falls)	2021	1,800,000	-		1,800,000	1,620,000		180,000	156,600	23,400
44	Downtown Lindsay Reconstruction (URR) - Phase 4 of 4 (Lindsay)	2022	3,238,000	-		3,238,000	2,914,200		323,800	281,706	42,094
45	Glenelg St. Reconstruction (URR) - Lindsay St. to Cambridge St. (Lindsay)	2022	1,100,000	-		1,100,000	990,000		110,000	95,700	14,300



Infrastructure Costs Covered in the D.C. Calculation – Roads and Related Services (Cont'd)

Prj .No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share	Non-Residential Share
2020-2031											
46	Lindsay St. Reconstruction (URR) - Russell St. to Glenelg St. (Lindsay)	2022	700,000	-		700,000	630,000		70,000	60,900	9,100
43	Elliot St. Reconstruction (URR) - Lindsay St. to Murray St. (Fenelon Falls)	2022	400,000	-		400,000	360,000		40,000	34,800	5,200
44	Ellice St. Reconstruction (URR) - Murray St. to Wychwood Cres. (Fenelon Falls)	2022	1,600,000	-		1,600,000	1,440,000		160,000	139,200	20,800
46	Murray St. Reconstruction (URR) - Elliot St. to West St. (Fenelon Falls)	2022	2,400,000	-		2,400,000	2,160,000		240,000	208,800	31,200
47	Canal St. Reconstruction (URR) - Sherwood St. to East St. (Bobcaygeon)	2022	1,700,000	-		1,700,000	1,530,000		170,000	147,900	22,100
51	Urban / Rural Reconstruction - General Provision	2023	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
52	Urban / Rural Reconstruction - General Provision	2024	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
53	Urban / Rural Reconstruction - General Provision	2025	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
54	Urban / Rural Reconstruction - General Provision	2026	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
55	Urban / Rural Reconstruction - General Provision	2027	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
56	Urban / Rural Reconstruction - General Provision	2028	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
57	Urban / Rural Reconstruction - General Provision	2029	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
58	Urban / Rural Reconstruction - General Provision	2030	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
59	Urban / Rural Reconstruction - General Provision	2031	5,600,000	-		5,600,000	5,040,000		560,000	487,200	72,800
60	Angeline St. Reconstruction - Hwy. 7 to North of Orchard Park Rd. (Lindsay)	2026	12,230,000	-		12,230,000	2,446,000		9,784,000	8,512,080	1,271,920
61	Colborne St. Reconstruction - Hwy 35 to Charles St. (Lindsay)	2021	3,491,000	-		3,491,000	698,200		2,792,800	2,429,736	363,064
62	Colborne St. Reconstruction - Charles St. to Adelaide St. (Lindsay)	2022	1,155,000	-		1,155,000	231,000		924,000	803,880	120,120
63	Colborne St. Reconstruction - Hwy. 7 to Hwy. 35 (Lindsay)	2028	1,718,000	-		1,718,000	343,600		1,374,400	1,195,728	178,672
64	Lindsay St. Reconstruction - Hwy. 7 to Mary St. (Lindsay)	2024	5,086,000	-		5,086,000	1,017,200		4,068,800	3,539,856	528,944
65	Thunderbridge Rd. Reconstruction - Elm Tree Rd. to Hwy. 35 (Lindsay)	2030	3,300,000	-		3,300,000	660,000		2,640,000	2,296,800	343,200
	Bridges and Large Culverts		-	-		-	-		-	-	-
66	West Jennings Creek Bridge (Lindsay)	2026	4,521,000	-		4,521,000	-		4,521,000	3,933,270	587,730
67	East Jennings Creek Culvert Structures (Lindsay)	2022	649,000	-		649,000	324,500		324,500	282,315	42,185
68	Fenelon River / Burnt River Bridge (Fenelon Falls)	2025	6,115,000	-		6,115,000	-		6,115,000	5,320,050	794,950
69	Colborne St. Bridge (Lindsay)	2022	11,000,000	-		11,000,000	4,400,000		6,600,000	5,742,000	858,000



Infrastructure Costs Covered in the D.C. Calculation – Roads and Related Services (Cont'd)

Prj .No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 87%	Non-Residential Share 13%
	2020-2031										
	Traffic Signals and Intersections		-	-		-	-		-	-	-
70	Angeline St./Colborne St. Intersection Improvement (Lindsay)	2022	1,718,000	-		1,718,000	85,900		1,632,100	1,419,927	212,173
71	Angeline St./Mary St. Intersection Improvement (Lindsay)	2025	1,096,000	-		1,096,000	54,800		1,041,200	905,844	135,356
72	Angeline St./Orchard Park Rd. Signalization (Lindsay)	2024	271,000	-		271,000	27,100		243,900	212,193	31,707
73	Angeline St./Thunderbridge Rd. Intersection Improvement (Lindsay)	2022	2,441,000	-		2,441,000	122,050		2,318,950	2,017,487	301,464
74	Colborne St./William St. Intersection Improvement (Lindsay)	2022	825,000	-		825,000	41,250		783,750	681,863	101,888
75	Colborne St./St. Joseph Rd. Signalization (Lindsay)	2022	271,000	-		271,000	27,100		243,900	212,193	31,707
76	Colborne St./Albert St. Signalization (Lindsay)	2021	271,000	-		271,000	27,100		243,900	212,193	31,707
77	Colborne St./Road 36 Intersection Improvement (Lindsay)	2023	271,000	-		271,000	13,550		257,450	223,982	33,469
78	Kent St. Corridor Traffic Signal Coordination (Lindsay)	2023	113,000	-		113,000	56,500		56,500	49,155	7,345
79	Kent St./Angeline St. Intersection Improvement (Lindsay)	2022	1,594,000	-		1,594,000	79,700		1,514,300	1,317,441	196,859
80	Kent St./Lindsay St. Signalization Improvement (Lindsay)	2020	34,000	-		34,000	3,400		30,600	26,622	3,978
82	Kent St./Whitney Town Centre Signalization (Lindsay)	2022	320,000	-		320,000	32,000		288,000	250,560	37,440
83	Queen St./St. David St. Signalization (Lindsay)	2021	271,000	-		271,000	27,100		243,900	212,193	31,707
84	Wellington St./Lindsay St. Intersection Improvement (Lindsay)	2026	486,000	-		486,000	24,300		461,700	401,679	60,021
85	Wellington St./William St. Intersection Improvement (Lindsay)	2025	486,000	-		486,000	24,300		461,700	401,679	60,021
86	Mary St./Lindsay St. Intersection Improvement (Lindsay)	2023	791,000	-		791,000	39,550		751,450	653,762	97,689
87	Logie St./Lindsay St. Signalization (Lindsay)	2021	226,000	-		226,000	22,600		203,400	176,958	26,442
88	East St./Boyd St./Canal St. Signalization (Bobcaygeon)	2027	271,000	-		271,000	27,100		243,900	212,193	31,707
89	East St./Cedarfree Lane/Duke St. Intersection Improvement (Bobcaygeon)	2027	825,000	-		825,000	41,250		783,750	681,863	101,888
90	East St./Mill St. Signalization (Bobcaygeon)	2027	271,000	-		271,000	27,100		243,900	212,193	31,707
91	Main St./Duke St. Signalization (Bobcaygeon)	2026	271,000	-		271,000	27,100		243,900	212,193	31,707
92	West St./North St. Signalization (Bobcaygeon)	2021	271,000	-		271,000	27,100		243,900	212,193	31,707
93	Bond St./Colborne St. Signalization (Fenelon Falls)	2022	271,000	-		271,000	27,100		243,900	212,193	31,707
94	CKL Rd. 121 (Lindsay St.) Pedestrian Signals (Fenelon Falls)	2021	140,000	-		140,000	14,000		126,000	109,620	16,380
95	King St./Queen St. Intersection Improvement (Omamee)	2023	576,000	-		576,000	28,800		547,200	476,064	71,136
96	King St./Sturgeon Rd. Intersection Improvement (Omamee)	2023	305,000	-		305,000	15,250		289,750	252,083	37,668
97	King St./Deane St. Signalization (Omamee)	2024	271,000	-		271,000	27,100		243,900	212,193	31,707
98	King St./Sibley Ave. Signalization (Omamee)	2024	271,000	-		271,000	27,100		243,900	212,193	31,707
99	D.C. Reserve Fund Debt (NPV of Principal & Interest)	2020-2031	4,965,043	-		4,965,043	-		4,965,043	4,319,587	645,456
	Reserve Fund Adjustment								(392,028)	(341,064)	(50,964)
	Total		178,686,443	1,086,701	1,777,000	175,822,742	104,465,797	-	70,964,917	61,739,478	9,225,439



Infrastructure Costs Covered in the D.C. Calculation – Fire Services (Cont'd)

Prj .No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 87%	Non-Residential Share 13%
	2020-2031									
	Fleet & Equipment		-	-	-	-		-	-	-
15	Pumper Truck	2020	580,000	21,569	558,431	375,000		183,431	159,585	23,846
16	Tanker Truck	2021	606,000	59,653	546,347	411,000		135,347	117,752	17,595
17	Tanker Truck	2026	606,000	59,653	546,347	375,000		171,347	149,072	22,275
18	Pumper Truck	2027	580,000	21,569	558,431	375,000		183,431	159,585	23,846
19	Tanker Truck	2028	606,000	59,653	546,347	411,000		135,347	117,752	17,595
20	Pumper Truck	2028	580,000	21,569	558,431	375,000		183,431	159,585	23,846
21	Pumper Truck	2029	580,000	21,569	558,431	375,000		183,431	159,585	23,846
22	Emergency Preparedness Manager Vehicle	2022	35,000	7,656	27,344	-		27,344	23,789	3,555
23	District / Platoon Chief Vehicle	2024	48,500	10,609	37,891	-		37,891	32,965	4,926
24	Training Officer Vehicle	2023	35,000	7,656	27,344	-		27,344	23,789	3,555
25	Equipment for Additional Fire Fighters (4)	2021-2024	27,200	5,950	21,250	-		21,250	18,488	2,763
	Studies		-	-	-	-		-	-	-
26	Fire Master Plan	2028	80,000	-	80,000	20,000		60,000	52,200	7,800
	Reserve Fund Adjustment							864,321	751,959	112,362
	Total		13,741,700	717,881	13,023,819	10,171,459	-	3,716,681	3,233,513	483,169



Infrastructure Costs Covered in the D.C. Calculation – Wastewater Collection

Prj.No	Increased Service Needs Attributable to Anticipated Development 2020-2031	Project #	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 66%	Non- Residential Share 34%
	Studies, Plans and Related Support			-	-	-	-		-	-	-
1	Logie St. SPS (formerly George St. SPS) Study	LSE-WW-07A	2021	75,000	-	75,000	-		75,000	49,500	25,500
2	Hwy. 7 SPS Study	LSE-WW-07B	2021	75,000	-	75,000	-		75,000	49,500	25,500
3	Ridout St. SPS Study		2021	75,000	-	75,000	33,504		41,496	27,387	14,109
				-	-	-	-		-	-	-
	Vertical Infrastructure			-	-	-	-		-	-	-
4	Hwy. 7 SPS	LSE-WW-04	2024	1,332,800	95,532	1,237,268	-		1,237,268	816,597	420,671
5	Logie St. SPS (formerly George St. SPS) Expansion	LSE-WW-05	2027	1,397,800	100,191	1,297,609	-		1,297,609	856,422	441,187
6	Need St. SPS Upgrades	WW-BOB-04	2022	373,000	-	373,000	52,037		320,963	211,835	109,127
7	Little Bob Dr. SPS Upgrades	WW-BOB-05	2022	305,200	-	305,200	63,868		241,332	159,279	82,053
8	Colborne St. SPS Upgrades	WW-FF-04	2021	429,500	-	429,500	191,197		238,303	157,280	81,023
9	Mary St. SPS Upgrades	WW-LIN-15	2031	1,987,100	142,276	1,844,824	685,207		1,159,617	765,347	394,270
10	Ridout St. SPS Upgrades	WW-LIN-19	2023	7,516,500	-	7,516,500	3,357,764		4,158,736	2,744,766	1,413,970
	Linear Infrastructure			-	-	-	-		-	-	-
11	Lindsay St. Trunk Sewer Extension - Logie St. to Hwy. 7	LSE-WW-02	2025	756,980	54,259	702,721	-		702,721	463,796	238,925
12	Durham St. and Sussex St. Sewer Replacement - Albert St. to Melbourne St.	WW-LIN-01	2024	527,900	-	527,900	155,203		372,697	245,980	126,717
13	Sussex St. Sewer Replacement - Melbourne St. to Glenelg St.	WW-LIN-02	2024	241,900	-	241,900	81,641		160,259	105,771	54,488
14	Sussex St. Sewer Replacement - Glenelg St. to Russell St.	WW-LIN-03	2024	305,200	-	305,200	81,387		223,813	147,717	76,097
15	Sussex St. Sewer Replacement - Russell St. to Kent St.	WW-LIN-04	2024	310,800	-	310,800	82,880		227,920	150,427	77,493
16	Kent St. Sewer Replacement - Sussex St. to Victoria Ave.	WW-LIN-05	2024	288,200	-	288,200	96,323		191,877	126,639	65,238
17	Kent St. Sewer Replacement - Victoria Ave. to Cambridge St.	WW-LIN-06	2021	258,800	-	258,800	9,372		249,428	164,622	84,805
18	Cambridge St. Sewer Replacement - Kent St. to Peel St.	WW-LIN-07	2021	321,000	-	321,000	11,625		309,375	204,188	105,188
19	Cambridge St., Bond St. and William St. Sewer Replacement - Peel St. to Francis St.	WW-LIN-08	2023	1,434,400	-	1,434,400	191,107		1,243,293	820,573	422,720
20	Albert St. Sewer Replacement - Mary St. to Durham St.	WW-LIN-17	2028	801,400	57,380	744,020	295,308		448,711	296,150	152,562
21	St. David St. Sewer Interconnection	WW-LIN-18	2026	151,500	-	151,500	75,750		75,750	49,995	25,755
	Reserve Fund Adjustment								14,296,226	9,435,509	4,860,717
	Total			18,964,980	449,638	18,515,342	5,464,173	-	27,347,395	18,049,281	9,298,114



Infrastructure Costs Covered in the D.C. Calculation – Water Treatment

Prj.No	Increased Service Needs Attributable to Anticipated Development 2020-2031	Project #	Timing (year)	Gross Capital Cost Estimate (2019\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 86%	Non-Residential Share 14%
	Studies			-	-	-	-		-	-	-
1	Capacity Studies		2021	300,000	-	300,000	-		300,000	258,000	42,000
2	Capacity Studies		2026	300,000	-	300,000	-		300,000	258,000	42,000
3	Capacity Studies		2031	300,000	-	300,000	-		300,000	258,000	42,000
	Vertical			-	-	-	-		-	-	-
4	Fenelon Falls WTP LLPS and SCADA Upgrade	W-FF-01	2023	500,000	69,578	430,422	98,699		331,722	285,281	46,441
5	Lindsay WTP LLPS Upgrades	W-LIN-38	2028	5,038,000	537,372	4,500,628	-		4,500,628	3,870,540	630,088
6	Lindsay WTP Expansion	W-LIN-38A	2028	21,441,900	2,287,074	19,154,826	-		19,154,826	16,473,150	2,681,676
7	Janetville WTP Upgrades		2025	175,000	-	175,000	87,500		87,500	75,250	12,250
				-	-	-	-		-	-	-
8	2009 D.C. Growth Related Debt Payments (NPV of Principal and Interest)		2020-2028	933,162	-	933,162	-		933,162	802,519	130,643
9	D.C. Reserve Fund Debt (NPV of Principal and Interest)		2020-2031	1,002,813	-	1,002,813	-		1,002,813	862,419	140,394
	Reserve Fund Adjustment			-	-	-	-		(1,607,996)	(1,382,877)	(225,119)
	Total			29,990,875	2,894,024	27,096,850	186,199	-	25,302,655	21,760,283	3,542,372



6. D.C. Calculation

6.1 Overview

The calculation of the maximum D.C.s that could be imposed by Council have been undertaken using a cash-flow approach for the growth-related capital costs identified in Chapter 5. The calculations are presented in Tables 6-1 to 6-7 for the following services, service areas, and forecast periods:

- Table 6-1 – Water Treatment and Distribution Services imposed in the urban serviced area over the 12-year period to 2031;
- Table 6-2 – Wastewater Treatment Services imposed in the urban serviced area over the 12-year period to 2031;
- Table 6-3 – Wastewater Collection Services imposed in the urban serviced area, excluding the Northwest Development Area of Lindsay, over the 12-year period to 2031;
- Table 6-4 – Roads and Related and Fire Services over the 12-year period City-wide;
- Table 6-5 – Police Services imposed in the Town of Lindsay and the former Township of Ops;
- Table 6-6 – Transit Services imposed in the Town of Lindsay; and
- Table 6-7 – City-wide services imposed over the 10-year period to 2029 (i.e. Parking Services, Airport Services, Parks and Recreation, Library Services, Paramedic Services, Municipal By-Law Enforcement, Health & Social Services, Waste Diversion Services, and Administration Studies).

The calculation for residential development is generated on a per capita basis and is based upon four forms of housing types (single and semi-detached, apartments 2+ bedrooms, apartment's bachelor and 1 bedroom, and rows or multiples). The non-residential D.C. has been calculated on a per sq.m. of G.F.A. basis for industrial, commercial, institutional development, as well as on a uniform bases for all types of non-residential development. The costs by that have been allocated to non-residential development in Chapter 5 have been further allocated to industrial, commercial, and institutional development based on the relationship of employment over the respective forecast periods are service areas. The non-residential charge is also calculated for



electrical generation development (i.e. wind turbines and solar farms) on a residential equivalent basis (for Fire, Police, Roads and Relates, Paramedic, and Administration Studies Services) for each 500 kW of nameplate generating capacity.

With respect to non-residential development, the total costs in the differentiated charge (i.e. industrial, commercial, and institutional) are allocated to non-residential development based on need for service, and have been divided by the anticipated development by type over the planning period to calculate a cost per sq.m of G.F.A.

The cash-flow calculations of the maximum D.C.s that could be imposed by Council have been undertaken to account for the timing of revenues and expenditures and the resultant financing needs. The cash-flow calculations have been undertaken by service for each forecast development type, i.e. residential, industrial, commercial, institutional, and uniform non-residential development. D.C. cash flow calculation tables are provided in Appendix C and have been undertaken to account for 1.25% earnings on D.C. reserve fund balances and 3.25% interest charged for reserve fund borrowing.

Tables 6-8 and 6-9 summarize the recommended schedule of charges, reflecting the maximum D.C.s by residential dwelling type, per sq.m. of G.F.A. for non-residential development (industrial, commercial, institutional, and uniform), and non-residential electrical generation development (per 500 kW nameplate generating capacity). Tables 6-10 and 6-11 compare the City's existing charges to the charges proposed herein (Tables 6-8 and 6-9), for a single detached residential dwelling unit (S.D.U.), and per sq.m. of G.F.A. for industrial, commercial, institutional, and uniform non-residential charges.



Table 6-1
City of Kawartha Lakes Calculation of Development Charges
within the Water Urban Serviced Area
2020-2031

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m ²			
		Uniform	Industrial	Commercial	Institutional		Uniform	Industrial	Commercial	Institutional
	\$	\$				\$	\$	\$	\$	\$
1. Water Treatment	21,760,283	3,542,372	601,209	2,238,806	702,356	3,181	22.39	12.29	29.48	21.04
2. Water Distribution	27,152,907	4,420,241	750,200	2,793,627	876,414	3,302	23.24	12.76	30.61	21.85
TOTAL	\$48,913,190	\$7,962,612	\$1,351,409	\$5,032,433	\$1,578,771	\$6,483	45.63	25.05	60.09	42.90
Financing Cost	\$972,677	\$160,034	\$27,827	\$100,887	\$30,833					
D.C.-Eligible Capital Cost	\$49,885,867	\$8,122,646	\$1,379,236	\$5,133,320	\$1,609,604					
Buildout Gross Population/GFA Growth (sq.m.)	19,152	178,021	55,064	85,434	37,524					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$2,604.73	\$45.63	\$25.05	\$60.09	\$42.90					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$6,483								
Apartments - 2 Bedrooms +	1.493	\$3,889								
Apartments - Bachelor and 1 Bedroom	1.125	\$2,930								
Row or Multiple	2.214	\$5,767								



Table 6-2
City of Kawartha Lakes Calculation of Development Charges
within the Wastewater Urban Serviced Area
2020-2031

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m ²			
		Uniform	Industrial	Commercial	Institutional		Uniform	Industrial	Commercial	Institutional
3. Wastewater Treatment	\$ 29,820,360	\$ 4,854,477	778,990	3,139,720	935,767	\$ 4,057	\$ 28.24	\$ 15.32	\$ 36.76	\$ 26.26
TOTAL	\$29,820,360	\$4,854,477	\$778,990	\$3,139,720	\$935,767	\$4,057	28.24	15.32	36.76	26.26
	\$1,362,900	\$221,677	\$35,489	\$143,394	\$42,858					
D.C.-Eligible Capital Cost	\$31,183,260	\$5,076,154	\$814,479	\$3,283,115	\$978,626					
Buildout Gross Population/GFA Growth (sq.m.)	19,132	179,749	53,178	89,308	37,263					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$1,629.90	\$28.24	\$15.32	\$36.76	\$26.26					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$4,057								
Apartments - 2 Bedrooms +	1.493	\$2,433								
Apartments - Bachelor and 1 Bedroom	1.125	\$1,834								
Row or Multiple	2.214	\$3,609								



Table 6-3
City of Kawartha Lakes Calculation of Development Charges
within the Wastewater Urban Serviced Area (Excluding Lindsay Northwest Development Area)
2020-2031

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m ²			
		Uniform	Industrial	Commercial	Institutional		Uniform	Industrial	Commercial	Institutional
4. Wastewater Collection	\$ 18,049,281	\$ 9,298,114	1,492,052	6,013,722	1,792,340	\$ 5,899	\$ 51.97	\$ 28.19	\$ 67.65	\$ 48.33
TOTAL	\$18,049,281	\$9,298,114	\$1,492,052	\$6,013,722	\$1,792,340	\$5,899	51.97	28.19	67.65	48.33
	\$91,248	\$43,796	\$6,864	\$28,367	\$8,694					
D.C.-Eligible Capital Cost	\$18,140,529	\$9,341,910	\$1,498,917	\$6,042,089	\$1,801,033					
Buildout Gross Population/GFA Growth (sq.m.)	7,654	179,749	53,178	89,308	37,263					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$2,370.02	\$51.97	\$28.19	\$67.65	\$48.33					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$5,899								
Apartments - 2 Bedrooms +	1.493	\$3,538								
Apartments - Bachelor and 1 Bedroom	1.125	\$2,666								
Row or Multiple	2.214	\$5,247								



Table 6-4
City of Kawartha Lakes Calculation of Development Charges
for City-Wide Services
2020-2031

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m ²			
		Uniform	Industrial	Commercial	Institutional		Uniform	Industrial	Commercial	Institutional
	\$	\$				\$	\$	\$	\$	\$
5. Roads and Related	61,739,478	9,225,439	1,558,830	5,930,639	1,735,970	6,049	49.39	26.96	64.71	46.23
6. Fire Services	3,233,513	483,169	81,641	310,608	90,919	322	2.63	1.45	3.45	2.44
TOTAL	\$64,972,991	\$9,708,608	\$1,640,471	\$6,241,248	\$1,826,889	\$6,371	\$52.02	\$28.41	\$68.17	\$48.67
	(\$639,754)	(\$95,863)	(\$31,242)	(\$63,422)	(\$614)					
D.C.-Eligible Capital Cost	\$64,333,237	\$9,612,745	\$1,609,230	\$6,177,826	\$1,826,275					
12-Year Gross Population/GFA Growth (sq.m.)	25,132	184,784	56,634	90,627	37,524					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$2,559.81	\$52.02	\$28.41	\$68.17	\$48.67					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$6,371								
Apartments - 2 Bedrooms +	1.493	\$3,822								
Apartments - Bachelor and 1 Bedroom	1.125	\$2,880								
Row or Multiple	2.214	\$5,667								



Table 6-5
City of Kawartha Lakes Calculation of Development Charges
for Police Services
2020-2029

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m ²			
		Uniform	Industrial	Commercial	Institutional		Uniform	Industrial	Commercial	Institutional
	\$	\$				\$	\$	\$	\$	\$
7. Police Services	1,956,163	318,445	62,615	197,580	58,250	393	2.69	1.51	3.62	2.59
TOTAL	\$1,956,163	\$318,445	\$62,615	\$197,580	\$58,250	\$393	\$2.69	\$1.51	\$3.62	\$2.59
	\$94,611	\$15,183	\$3,028	\$9,556	\$2,817					
D.C.-Eligible Capital Cost	\$2,050,774	\$333,629	\$65,643	\$207,136	\$61,067					
10-Year Gross Population/GFA Growth (sq.m.)	12,988	124,220	43,501	57,194	23,607					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$157.90	\$2.69	\$1.51	\$3.62	\$2.59					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489					\$393				
Apartments - 2 Bedrooms +	1.493					\$236				
Apartments - Bachelor and 1 Bedroom	1.125					\$178				
Row or Multiple	2.214					\$350				



Table 6-6
City of Kawartha Lakes Calculation of Development Charges
for Transit Services
2020-2029

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m ²			
		Uniform	Industrial	Commercial	Institutional		Uniform	Industrial	Commercial	Institutional
8. Transit Services	\$ 1,193,345	\$ 210,590	 41,332	 130,689	 38,569	\$ 240	\$ 1.71	\$ 0.96	\$ 2.30	\$ 1.65
TOTAL	\$1,193,345	\$210,590	\$41,332	\$130,689	\$38,569	\$240	\$1.71	\$0.96	\$2.30	\$1.65
	\$9,405	\$1,662	\$326	\$1,032	\$304					
D.C.-Eligible Capital Cost	\$1,202,750	\$212,253	\$41,658	\$131,721	\$38,874					
10-Year Gross Population/GFA Growth (sq.m.)	12,487	124,109	43,501	57,194	23,607					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$96.32	\$1.71	\$0.96	\$2.30	\$1.65					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$240								
Apartments - 2 Bedrooms +	1.493	\$144								
Apartments - Bachelor and 1 Bedroom	1.125	\$108								
Row or Multiple	2.214	\$213								



Table 6-7
City of Kawartha Lakes Calculation of Development Charges
for City-Wide Services
2020-2029

SERVICE	2020\$ D.C.-Eligible Cost					2020\$ D.C.-Eligible Cost				
	Residential	Non-Residential				SDU	per m ²			
		Uniform	Industrial	Commercial	Institutional		Uniform	Industrial	Commercial	Institutional
	\$	\$				\$	\$	\$	\$	\$
9. Parking Services	944,555	141,140	23,849	90,733	26,559	111	0.90	0.49	1.18	0.84
10. Airport Services	181,740	27,157	4,589	17,458	5,110	22	0.18	0.10	0.24	0.17
11. Parks and Recreation	5,687,151	299,324	50,577	192,422	56,324	664	1.91	1.91	1.91	1.91
12. Library Services	2,931,743	154,302	26,073	99,194	29,035	340	0.98	0.98	0.98	0.98
13. Administration Studies	3,070,040	458,742	77,514	294,905	86,322	362	2.95	1.61	3.87	2.76
14. Municipal By-law Enforcement	123,503	18,454	3,118	11,864	3,473	14	0.12	0.06	0.15	0.11
15. Paramedic Services	1,645,395	245,864	41,544	158,055	46,265	190	1.55	0.85	2.03	1.45
16. Health & Social Services	1,712,724	-	-	-	-	206				
17. Waste Diversion Services	285,471	42,657	7,208	27,422	8,027	33	0.27	0.15	0.35	0.25
TOTAL	\$16,582,323	\$1,387,639	\$234,471	\$892,054	\$261,115	\$1,941	\$8.85	\$6.14	\$10.71	\$8.48
	\$226,718	\$16,840	\$66,946	(\$59,059)	\$8,953					
D.C.-Eligible Capital Cost	\$16,809,041	\$1,404,479	\$301,416	\$832,995	\$270,068					
10-Year Gross Population/GFA Growth (sq.m.)	21,550	158,679	49,053	77,760	31,866					
Cost Per Capita/Non-Residential GFA (sq.m.)	\$780.00	\$8.85	\$6.14	\$10.71	\$8.48					
By Residential Unit Type	P.P.U.									
Single and Semi-Detached Dwelling	2.489	\$1,941								
Apartments - 2 Bedrooms +	1.493	\$1,165								
Apartments - Bachelor and 1 Bedroom	1.125	\$878								
Row or Multiple	2.214	\$1,727								



Table 6-8
City of Kawartha Lakes
Calculated Schedule of Residential Development Charges

Service	RESIDENTIAL			
	Single and Semi-Detached Dwelling	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	Row or Multiple
Municipal Wide Services:				
Fire Services	322	193	146	287
Police Services ¹	393	236	178	350
Roads and Related	6,049	3,628	2,734	5,381
Transit Services ²	240	144	108	213
Parking Services	111	66	50	98
Airport Services	22	13	10	20
Parks and Recreation	664	398	300	590
Library Services	340	204	154	303
Paramedic Services	190	114	86	169
Municipal By-law Enforcement	14	9	6	13
Health & Social Services	206	123	93	183
Waste Diversion Services	33	20	15	29
Administration Studies	362	217	164	322
Total Municipal Wide Services	8,946	5,365	4,044	7,958
Urban Services				
Wastewater Treatment	4,057	2,433	1,834	3,609
Wastewater Collection ³	5,899	3,538	2,666	5,247
Water Treatment	3,181	1,908	1,438	2,829
Water Distribution	3,302	1,981	1,493	2,938
Total Urban Services	16,439	9,860	7,431	14,623
Urban - Lindsay	25,385	15,225	11,475	22,581
Urban - NWT	19,486	11,687	8,809	17,334
Urban - Other	24,752	14,845	11,189	22,018
Rural - Ops	8,706	5,221	3,936	7,745
Rural - Other	8,313	4,985	3,758	7,395

1. Polices services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area



Table 6-9
City of Kawartha Lakes
Calculated Schedule of Non-Residential Development Charges

Service	NON-RESIDENTIAL (per sq.m. of Gross Floor Area)				NON-RESIDENTIAL (per 500kW nameplate generating capacity)
	Uniform	Industrial	Commercial	Institutional	
Municipal Wide Services:					
Fire Services	2.63	1.45	3.45	2.44	322
Police Services ¹	2.69	1.51	3.62	2.59	393
Roads and Related	49.39	26.96	64.71	46.23	6049
Transit Services ²	1.71	0.96	2.30	1.65	
Parking Services	0.90	0.49	1.18	0.84	
Airport Services	0.18	0.10	0.24	0.17	
Parks and Recreation	1.91	1.91	1.91	1.91	
Library Services	0.98	0.98	0.98	0.98	
Paramedic Services	1.55	0.85	2.03	1.45	190
Municipal By-law Enforcement	0.12	0.06	0.15	0.11	
Health & Social Services					
Waste Diversion Services	0.27	0.15	0.35	0.25	
Administration Studies	2.95	1.61	3.87	2.76	362
Total Municipal Wide Services	65.27	37.03	84.80	61.38	7,316
Urban Services					
Wastewater Treatment	28.24	15.32	36.76	26.26	
Wastewater Collection ³	51.97	28.19	67.65	48.33	
Water Treatment	22.39	12.29	29.48	21.04	
Water Distribution	23.24	12.76	30.61	21.85	
Total Urban Services	125.84	68.55	164.50	117.49	-
Urban - Lindsay	191.11	105.58	249.31	178.87	7,316
Urban - NWT	139.14	77.39	181.65	130.54	7,316
Urban - Other	186.71	103.11	243.38	174.64	6,923
Rural - Ops	63.56	36.07	82.50	59.73	7,316
Rural - Other	60.87	34.56	78.88	57.15	6,923

1. Police services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area



Table 6-10
City of Kawartha Lakes
Comparison of Current and Calculated Residential Development Charges

Service	Single and Semi-Detached Dwelling			
	Current	Calculated	Change (%)	Change (\$)
Municipal Wide Services:				
Fire Services	532	322	-39%	(210)
Police Services ¹	508	393	-23%	(115)
Roads and Related	5,313	6,049	14%	736
Transit Services ²	77	240	211%	163
Parking Services	-	111		111
Airport Services	31	22	-28%	(9)
Parks and Recreation	204	664	225%	460
Library Services	235	340	45%	105
Paramedic Services	74	190	157%	116
Municipal By-law Enforcement	-	14		14
Health & Social Services	-	206		206
Waste Diversion Services	-	33		33
Administration Studies	140	362	158%	222
Total Municipal Wide Services	7,114	8,946	26%	1,832
Urban Services				
Wastewater Treatment	1,744	4,057	133%	2,313
Wastewater Collection ³	5,825	5,899	1%	74
Water Treatment	2,485	3,181	28%	696
Water Distribution	3,011	3,302	10%	291
Total Urban Services	13,065	16,439	26%	3,374
Urban - Lindsay	20,179	25,385	26%	5,206
Urban - NWT	14,354	19,486	36%	5,132
Urban - Other	19,594	24,752	26%	5,158
Rural - Ops	7,037	8,706	24%	1,669
Rural - Other	6,529	8,313	27%	1,784



Table 6-11
City of Kawartha Lakes
Comparison of Current and Calculated Non-Residential Development Charges

Service	Industrial				Commercial				Institutional				Uniform
	Current	Calculated	Change (%)	Change (\$)	Current	Calculated	Change (%)	Change (\$)	Current	Calculated	Change (%)	Change (\$)	Calculated
Municipal Wide Services:													
Fire Services	2.98	1.45	-51%	(1.53)	7.15	3.45	-52%	(3.70)	5.11	2.44	-52%	(2.67)	2.63
Police Services ¹	2.05	1.51	-26%	(0.54)	4.90	3.62	-26%	(1.28)	3.51	2.59	-26%	(0.92)	2.69
Roads and Related	27.46	26.96	-2%	(0.50)	63.21	64.71	2%	1.50	45.12	46.23	2%	1.11	49.39
Transit Services ²	0.31	0.96	209%	0.65	0.72	2.30	220%	1.58	0.50	1.65	229%	1.15	1.71
Parking Services	-	0.49		0.49	-	1.18		1.18	-	0.84		0.84	0.90
Airport Services	0.16	0.10	-38%	(0.06)	0.41	0.24	-42%	(0.17)	0.29	0.17	-42%	(0.12)	0.18
Parks and Recreation	1.23	1.91	55%	0.68	1.23	1.91	55%	0.68	1.23	1.91	55%	0.68	1.91
Library Services	1.43	0.98	-32%	(0.45)	1.43	0.98	-32%	(0.45)	1.43	0.98	-32%	(0.45)	0.98
Paramedic Services	0.41	0.85	107%	0.44	1.00	2.03	103%	1.03	0.72	1.45	102%	0.73	1.55
Municipal By-law Enforcement	-	0.06		0.06	-	0.15		0.15	-	0.11		0.11	0.12
Health & Social Services	-	-		-	-	-		-	-	-		-	-
Waste Diversion Services	-	0.15		0.15	-	0.35		0.35	-	0.25		0.25	0.27
Administration Studies	0.78	1.61	107%	0.83	1.87	3.87	107%	2.00	1.35	2.76	105%	1.41	2.95
Total Municipal Wide Services	36.81	37.03	1%	0.22	81.92	84.80	4%	2.88	59.26	61.38	4%	2.12	65.27
Urban Services													
Wastewater Treatment	6.95	15.32	120%	8.37	15.98	36.76	130%	20.78	11.44	26.26	130%	14.82	28.24
Wastewater Collection ³	23.41	28.19	20%	4.78	53.12	67.65	27%	14.53	38.11	48.33	27%	10.22	51.97
Water Treatment	10.10	12.29	22%	2.19	23.22	29.48	27%	6.26	16.62	21.04	27%	4.42	22.39
Water Distribution	12.27	12.76	4%	0.49	28.73	30.61	7%	1.88	20.55	21.85	6%	1.30	23.24
Total Urban Services	52.73	68.55	30%	16	121.05	164.50	36%	43	86.72	117.49	35%	31	125.84
Urban - Lindsay	89.54	105.58	18%	16.04	202.97	249.31	23%	46.34	145.98	178.87	23%	32.89	191.11
Urban - NWT	66.13	77.39	17%	11.26	149.85	181.65	21%	31.80	107.87	130.54	21%	22.67	139.14
Urban - Other	87.18	103.11	18%	15.93	197.35	243.38	23%	46.03	141.97	174.64	23%	32.67	186.71
Rural - Ops	36.50	36.07	-1%	(0.43)	81.20	82.50	2%	1.30	58.76	59.73	2%	0.97	63.56
Rural - Other	34.45	34.56	0%	0.11	76.30	78.88	3%	2.58	55.25	57.15	3%	1.90	60.87



- 1) Costs allocated to residential uses will be assigned to different types of residential units based on the average occupancy for each housing type constructed during the previous 15 years. Costs allocated to non-residential uses will be assigned to industrial, commercial and institutional uses based on the G.F.A. G.F.A. is defined as:
 - in the case of a residential building or structure, the total area of all floors above grade of a dwelling unit measured between the outside surfaces of exterior walls or between the outside surfaces of exterior walls and the centre line of party walls dividing the dwelling unit from any other dwelling unit or other portion of a building; and
 - in the case of a non-residential building or structure, or in the case of a mixed-use building or structure in respect of the non-residential portion thereof, the total area of all building floors above or below grade measured between the outside surfaces of the exterior walls, or between the outside surfaces of exterior walls and the centre line of party walls dividing a non-residential use and a residential use;
- 2) Costs allocated to residential and non-residential uses are based upon a number of conventions, as may be suited to each municipal circumstance. These are summarized in Chapter 5 herein.
- 3) Non-residential D.C.s are to be calculated and imposed on a uniform basis for Industrial, Commercial, and Institutional development.

7.3.3 Application to Redevelopment of Land (Demolition and Conversion)

If as a result of the redevelopment of land, a building or structure, or part thereof, existing on the same land was, or is to be demolished, in whole or in part, or converted from one principal use to another principal use, in order to facilitate the redevelopment, the development charge otherwise payable with respect to such redevelopment shall be reduced by:

- in the case of a residential building or structure, or in the case of a mixed-use building or structure, the residential uses in the mixed-use building or structure, an amount calculated by multiplying the applicable development charge by the



The following non-statutory exemptions are proposed to be included in the City's D.C. By-law:

- A place of worship;
- A non-profit hospice;
- A public hospital;
- A cemetery, burial site, or crematorium as defined in the Assessment Act;
- An agricultural development;
- A municipal housing dwelling unit;
- A park model trailer;
- The first 2,500 sq.m. of G.F.A. for any single commercial development; and
- Industrial development

For the purposes of funding the D.C. exemptions for agricultural development, the charge amounts are presented in Table 7-1 below for the respective development areas reflective of the lower density of development.

Table 7-1
Agricultural Development Charge

Description	Agricultural Development (per sq.m. of G.F.A.)
Urban - Lindsay	22.74
Urban - NWT	16.60
Urban - Other	22.21
Rural - Ops	7.58
Rural - Other	7.25

7.3.5 Phasing in

No provisions for phasing in the D.C. are provided in the D.C. by-law.

7.3.6 Timing of Collection

The D.C.s for all services are payable upon issuance of a building permit for each dwelling unit, building or structure, subject to early or late payment agreements entered into by the City and an owner under s.27 of the D.C.A., 1997.



Where a development proceeds through a plan of subdivision under Section 51 of the Planning Act or a consent under Section 53 of the Planning Act and if a subdivision or consent agreement with respect to the development is entered into with the City, the D.C.s for roads and related, water treatment, water distribution, wastewater treatment, and wastewater collection services may be calculated and payable on the date the agreement is executed.

7.3.7 Indexing

All D.C.s will be subject to mandatory indexing annually on January 1st, in accordance with provisions under the D.C.A.

7.3.8 D.C. Spatial Applicability

The D.C.A. historically has provided the opportunity for a municipality to impose municipal-wide charges or area specific charges. Sections 2(7) and 2(8) of the D.C.A. provide that a D.C. by-law may apply to the entire municipality or only part of it and more than one D.C. by-law may apply to the same area. Amendments to the D.C.A. now require municipalities to consider the application of municipal-wide and area-specific D.C.s. s.10(2)(c.1) requires Council to consider the use of more than one D.C. by-law to reflect different needs from services in different areas.

Most municipalities in Ontario have established uniform, municipal-wide D.C.s. When area-specific charges are used, it is generally to underpin master servicing and front-end financing arrangements for more localized capital costs.

Area-specific charges are proposed for those services with area specific benefits (i.e. Police, Transit, Water Treatment, Water Distribution, Wastewater Treatment and Wastewater Collection), while a City-wide calculation is proposed for all other services. The rationale for maintaining a City-wide D.C. approach for all other services is based, in part, on the following:

- The ten-year service level from all applicable services across the City can be included to establish an upper ceiling on the amount of funds which can be collected. If a D.C. by-law applied to only a part of the municipality, the level of service cannot exceed that which would be determined if the by-law applied to the whole municipality. As such, when applied to forecast growth within the specific area, it would establish an area specific level of service ceiling which



could reduce the total revenue recoverable for the City, potentially resulting in D.C. revenue shortfalls and impacts on property taxes and user rates.

- City-wide D.C.s ensures a consistent approach to financing the entire cost associated with growth-related capital projects. For example, user rates and property taxes are required to finance the share of growth-related capital projects not recoverable by D.C.s and all associated operating costs. Therefore, the use of area specific D.C.s results in a share of growth-related capital costs being recovered from a specific area, with the remaining capital costs of the projects (i.e. non-D.C. recoverable share) and the associated operating costs with those new assets being recovered from uniform user rates and property taxes, applied to the entire City.
- Attempting to impose an area-specific D.C. potentially causes equity issues in transitioning from a City-wide approach to an area-specific approach. An area of a municipality that is less developed and becomes subject to an area specific D.C., could face a significant increase in D.C. rates, as the municipality will not benefit from drawing on the pool of D.C. funding and may have contributed D.C.s to fund capital required to support development in other communities of the City. Whereas, another part of the municipality that has experienced significant growth which required substantial capital investments, benefitted from the capital investments being financed by City-wide D.C.s. The implementation of area specific D.C.s could result in varying D.C.s across the City, which may impact the ability to attract investment into parts of the community.
- Services are generally available across the City, used often by all residents and are not restricted to one specific geographic area. The use of a City-wide D.C. approach reflects these system-wide benefits of service and more closely aligns with the funding principles of service provision (e.g. uniform City-wide property tax rates, etc.).

Based on the foregoing and discussions with City staff, there is no apparent justification for the establishment of further area-specific D.C.s at this time. The recommendation is to continue to apply City-wide D.C.s for all services other than Water Treatment, Water Distribution, Wastewater Treatment, Wastewater Collection, Police, and Transit.



7.4 Other D.C. By-law Provisions

7.4.1 Categories of Services for Reserve Fund and Credit Purposes

It is recommended that the City's D.C. collections be contributed into 17 separate reserve funds, including:

- Fire Services
- Police Services;
- Roads and Related;
- Transit Services;
- Parking Services;
- Airport Services;
- Parks and Recreation;
- Library Services;
- Paramedic Services;
- Municipal By-law Enforcement;
- Health & Social Services;
- Waste Diversion Services;
- Administration Studies;
- Wastewater Treatment;
- Wastewater Collection;
- Water Treatment; and
- Water Distribution.

7.4.2 By-law In-force Date

The proposed by-law under D.C.A., 1997 will come into force on April 1, 2020.

7.4.3 Minimum Interest Rate Paid on Refunds and Charged for Inter-Reserve Fund Borrowing

The minimum interest rate is the Bank of Canada rate on the day on which the by-law comes into force (as per s.11 of O.Reg. 82/98).



7.5 Other Recommendations

It is recommended that Council:

“Approve the capital project listing set out in Chapter 5 of the D.C. Background Study dated October 7, 2019 (as amended), subject to further annual review during the capital budget process;”

“Approve the D.C. Background Study dated October 7, 2019, as amended”

“Determine that no further public meeting is required;” and

“Approve the D.C. By-law as set out in Appendix F.”



Appendix F

Proposed D.C. By-law

The Corporation of the City of Kawartha Lakes

By-Law 2019-XXX

A By-Law to Impose Development Charges in the City of Kawartha Lakes

Recitals:

1. The City of Kawartha Lakes will experience growth through development requiring the provision of infrastructure and other capital-related services by the City, and intends to recover from development the costs of such services to the extent permitted by law or as otherwise considered advisable by Council.
2. Subsection 2(1) of the *Development Charges Act*, S.O. 1997 Chap. 27 (hereinafter, the "Act") provides that the council of a municipality may by by-law impose development charges against land to pay for increased capital costs required because of increased needs for services arising from the development of the area to which the by-law applies.
3. A draft of the report entitled "2019 Development Charges Background Study" (hereinafter, the "study") prepared by Watson and Associates Economists Limited (hereinafter, "Watson") and a draft proposed development charges by-law (hereinafter, the "proposed by-law") prepared by the Manager of Corporate Assets, were both dated and made publicly available on October 7, 2019.
4. Council held a public meeting regarding the study and proposed by-law on November 5, 2019, and sufficient public notice of the meeting was given by the City.
5. On November 29, 2019, Watson issued an addendum to the study and the Manager of Corporate Assets revised the proposed by-law, and the resulting amended study and revised proposed by-law were made publicly available on December 4, 2019.
6. Having reviewed the amended study and revised proposed by-law, Council has adopted the amended study and has determined that no further public meetings are required on these documents.
7. Having adopted the amended study, including the growth-related capital needs referred to therein, Council has thereby indicated its intention to ensure the increase in need for services attributable to anticipated development is met, and has further indicated its intention to recover the costs of the committed and future excess capacity identified in the study through development charges or other similar charges.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-Law 2019-XXX.

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“accessory use” means a use of land, a building or a structure which is naturally and normally incidental and subordinate in purpose and or floor area, and exclusively devoted to, the principal use of such land, building or structure;

“Act” means the *Development Charges Act*, S.O. 1997, Chap. 27, as amended, or any successor thereof;

“agricultural” means non-residential lands, buildings or structures or any part thereof used, designed or intended solely for farming, apiaries, fish farming, animal husbandry or the cultivation of trees, shrubs, flowers, grains, sod, fruits, vegetables and other crops or ornamental plants, or similar agrarian activity, on land of at least three (3) hectares in area, and includes barns, implement sheds, seasonal roadside stands and silos but does not include processing or year-round wholesale or retail facilities;

“agricultural development charges” means development charges pertaining to agricultural development as determined in the Development Charges Background Study but subject to annual indexation to which development charges set out in Schedules 1 and 2 to this by-law are subject in accordance with subsection 6.07 of this by-law;

“apartment dwelling unit” means a stacked dwelling unit or any dwelling unit within a dwelling:

- (a) containing three (3) or more dwelling units whereby access to each dwelling unit is obtained through one or more common entrances from the outside and the dwelling units are connected by one or more interior corridors; or
- (b) attached to a non-residential building or structure whereby the dwelling unit is not a single-detached, semi-detached or row dwelling unit and would otherwise constitute a multiple dwelling unit;

“Assessment Act” means the Assessment Act, R.S.O. 1990, Chap. A.31, as amended, or any successor thereof;

“bedroom” means, within a dwelling unit, a habitable room of less than seven (7) square metres of floor area, including a den, study or other similar area, but does not include a bathroom, living room, dining room or kitchen;

“benefiting area” means an area defined by map, geography, plan or legal description in a front-ending agreement or as established by Council through resolution or by by-law as an area in which development receives or will receive a benefit from the emplacement of municipal capital infrastructure;

“board of education” has the same meaning as set out in the *Education Act*, R.S.O. 1990, Chap. E.2, as amended, or any successor thereof;

“Building Code Act” means the *Building Code Act*, S.O. 1992, Chap. 23, as amended, or any successor thereof;

“building permit” or **“permit”** means a permission or authorization given in writing by the Chief Building Official for the construction or demolition of a building or structure, or part thereof, as defined in subsection 1(1) of the Building Code Act;

“capital charge” means a charge, fee or similar levy or cost recovery mechanism imposed on owners by the City pursuant to sections 390-400, inclusive, of the Municipal Act;

“capital cost” means capital costs as defined in subsection 5(3) of the Act incurred or proposed to be incurred by the City, or a local board thereof, directly or by others on behalf of and as authorized by the City or local board;

“Chief Building Official” means the person appointed by Council to discharge the duties of the chief building official pursuant to the Building Code Act;

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

“City Treasurer” means the person appointed by Council to discharge the duties of the treasurer described in section 286 of the Municipal Act;

“commercial” means non-residential lands, buildings or structures or any part thereof used, designed or intended to facilitate the buying or selling of commodities or services, including those related to self-service and other storage facilities, hotels, inns, motels and boarding, lodging, rooming houses and recreational lodging and all those that are non-residential in nature but excluded from all other types of non-residential land, structures and buildings otherwise defined in this by-law;

“Condominium Act” means the *Condominium Act*, S.O. 1998, Chap.19, as amended, or any successor thereof;

“construction” means the erection, installation, extension or material alteration or repair of a building or structure and includes the installation of a building unit, such as a shipping container, that is relocated or fabricated;

“Council” or “City Council” means the municipal council for the City;

“demolition” means the deconstruction or removal of a building or structure or any material part thereof;

“development” means the construction, erection or placing of one or more buildings or structures on land or the making of an addition or alteration to a building or structure that has the effect of increasing the size or usability thereof, and includes redevelopment which in turn includes demolition and or conversion of use;

“development charge” means a charge imposed pursuant to this by-law, or a predecessor thereof as context requires;

“Development Charges Background Study” means the most recent study, or successor thereof, as approved by or otherwise prepared for Council, undertaken by or on behalf of the City that satisfies or is intended to satisfy section 10 of the Act;

“development charge reserve fund” means a fund of the City established pursuant to section 33 of the Act;

“dwelling” means a residential building or structure, or part thereof, occupied or capable of being occupied as a home, residence or domestic establishment or habitat of some kind, but does not include motels, hotels, tents, truck campers, tourist trailers, mobile camper trailers or boarding, lodging or rooming houses of any kind;

“dwelling unit” means any part, which may include the entirety of, a dwelling used, designed or intended to be used exclusively by one person or two or more cohabitating persons;

“electricity generation” means non-residential lands, buildings or structures that are not of an accessory use and that:

- (a) form, support or accommodate a system or utility used, designed or intended to convert wind, solar, biomass, coal, natural gas, waste, water flow or other form of energy into electricity and feed it into the general electricity grid, and includes such systems or utilities that participate or are intended to participate in the Independent Electricity System Operator’s Feed-In Tariff Program, or successor thereof, or similar program; and

- (b) constitute development whereby gross floor area is inapplicable, indeterminate or otherwise unrepresentative of the scale of the development, as determined by the Chief Building Official;

“existing development” means development that existed as of the time this by-law comes into force;

“existing industrial building” has the same meaning as that set out in the Act;

“general service area” means all land within the corporate boundaries of the City of Kawartha Lakes;

“gross floor area”, as determined by the Chief Building Official, means:

- (a) in the case of a residential building or structure, the total area of all building floors above grade of a dwelling unit measured between the outside surfaces of exterior walls or between the outside surfaces of exterior walls and the centre line of party walls dividing the dwelling unit from any other dwelling unit or other portion of a building; and
- (b) in the case of a non-residential building or structure, or in the case of a mixed-use building or structure in respect of the non-residential portion thereof, the total area of all building floors above or below grade measured between the outside surfaces of the exterior walls, or between the outside surfaces of exterior walls and the centre line of party walls dividing a non-residential use and a residential use;

“industrial” means non-residential lands, buildings or structures or any part thereof used, designed or intended for manufacturing, processing, fabricating, electricity generation, assembly of raw goods, warehousing or bulk storage of goods, and accessory uses thereof, but does not include buildings or structures used for selling commodities to the general public through a warehouse club;

“institutional” means non-residential lands, buildings or structures or any part thereof used, designed or intended for any non-profit organization, group or association for the promotion of charitable, educational or benevolent objectives, and includes post-secondary institutions, nursing homes and non-profit clubs;

“local board” means a school board, public utility, commission, public library board, board of park management, local board of health, board of commissioners of police, planning board, or any other board, commission, committee, body or local authority established or exercising any power or authority under any legislation with respect to any of the affairs or purposes, including school purposes, of the City of Kawartha Lakes;

“local services” means those services, facilities or things that are:

(a) under the jurisdiction of the City and related to a plan of subdivision, or within the area to which the plan relates, to which sections 41, 51 or 53 of the Planning Act pertain; and

(b) those services to which section 59 of the Act pertains;

“Manager of Corporate Assets” means the person who holds that position and his or her delegate(s) or, in the event of organizational changes, another person designated by Council;

“multiple dwelling unit” means any dwelling unit, other than single-detached, semi-detached, row and apartment dwelling units, within a dwelling, and includes any dwelling unit not otherwise defined herein;

“Municipal Act” means the *Municipal Act, 2001*, S.O. 2001, Chap. 25, as amended, or any successor thereof;

“municipal housing dwelling unit” means a dwelling unit that is part of or intended to be part of a municipal housing project facility as defined in City of Kawartha Lakes By-Law 2006-262 (Consolidated Municipal Housing Facilities By-Law), as amended, or any successor thereof;

“municipal service” means a municipal service provided by or on behalf of the City and designated in subsection 2.01 of this by-law;

“nameplate generating capacity”, “nameplate capacity” or “plated capacity” means, in respect of electricity generation development, the maximum rated continuous load-carrying capability to generate electricity, expressed in kilowatts (KW), as verified, if applicable, by the Electrical Safety Authority or any successor thereof or similar regulating authority;

“non-residential” means lands, buildings or structures or any part thereof used, designed or intended for a use that is not a residential use;

“Northwest Lindsay Development Area” means the benefitting area in respect of the Northwest Sanitary Sewer Works Capital Charge, as indicated in Schedule 3 to this by-law;

“Northwest Sanitary Sewer Works Capital Charge” means the capital charge as prescribed by City of Kawartha Lakes By-Law 2015-151 (Northwest Sanitary Sewer Capital Charge), as amended, or any successor thereof;

“owner” means the owner of land, or successor thereof, or a person who has made application for an approval for the development of land upon which development charges are or are to be imposed;

“Planning Act” means the *Planning Act*, R.S.O. 1990, Chap.13, as amended, or any successor thereof;

“police service area” means the area serviced by the City of Kawartha Lakes Police Service, or any successor thereof, that being:

- (a) the union of all land within the former Township of Ops and the former Town of Lindsay, and all land that has been or may be appended thereto by the City to accommodate development, or in the alternative;
- (b) all land deemed to receive service by the City of Kawartha Lakes Police Service, or any successor thereof, as otherwise established by Council subsequent to the enactment of this by-law;

“residential” means lands, buildings or structures or any part thereof used, designed or intended to provide accommodation or quarters for living, sleeping, sanitary and culinary purposes, or otherwise to serve as a domestic residence;

“row dwelling unit” means a dwelling unit in a dwelling containing three (3) or more attached dwelling units in a single row whereby each dwelling unit has an exclusive entrance from the outside and is vertically separated from any abutting dwelling unit;

“rural-Ops service area” means all land within the police service area that does not form part of either the water or wastewater service areas;

“rural-other service area” means all land within the general service area that does not form part of the urban-Lindsay, urban-NWT, urban-other or rural-Ops service areas;

“semi-detached dwelling unit” means a dwelling unit in a dwelling consisting of exactly two (2) attached dwelling units whereby each dwelling unit has an exclusive entrance from the outside and is vertically separated from the abutting dwelling unit;

“service area” means a benefitting area in respect of a municipal service or set of municipal services, and includes the police, transit, water, wastewater, wastewater-NWT, general, urban-Lindsay, urban-NWT, urban-other, rural-Ops and rural-other service areas;

“single-detached dwelling unit” means a dwelling unit in a dwelling consisting of exactly one (1) dwelling unit that is not attached to another dwelling unit;

“stacked dwelling unit” means a dwelling unit, other than a row dwelling unit, within a dwelling containing at least three (3) dwelling units whereby each dwelling unit is separated from the others vertically and or horizontally and has an exclusive entrance from the outside;

“temporary building or structure” means a former building or structure that, as determined by the Chief Building Official, was created with the express intention of being used for a continuous period not exceeding six (6) months and existed or substantially existed for a continuous period not exceeding six (6) months;

“transit service area” means the area serviced by the City’s public transit service, that being:

- (a) all land within the former Town of Lindsay, and all land that has been or may be appended thereto by the City to accommodate development, or in the alternative;
- (b) all land deemed to receive the City’s public transit service as otherwise established by Council subsequent to the enactment of this by-law;

“urban-Lindsay service area” means the intersection of all land within the transit, police, water and wastewater service areas outside the wastewater-NWT service area;

“urban-NWT service area” means the intersection of all land within the transit, police, water and wastewater-NWT service areas;

“urban-other service area” means the intersection of all land within the water and wastewater service areas outside the urban-Lindsay and urban-NWT service areas;

“wastewater-NWT service area” means the intersection of all land within the Northwest Lindsay Development Area and the wastewater service area;

“wastewater service area” means the union of all land serviced by a City wastewater system, that being all land on which development is, as determined by the Chief Building Official, required, planned or expected to connect, or is capable of being connected in future, to a City wastewater system intended to service the development;

“water service area” means the union of all land serviced by a City water system, that being all land on which development is, as determined by the Chief Building Official, required, planned or expected to connect, or is capable of being connected in future, to a City water system intended to service the development; and

“zoning by-law” means the zoning by-law, or set of zoning by-laws, of the City enacted pursuant to section 34 of the Planning Act.

- 1.02 **Interpretation Rules:** All word variations and derivatives of the terms defined in subsection 1.01 shall carry a corresponding meaning, and the

words “include”, “includes”, “inclusive” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

- 1.03 **Statutes:** References to laws in this by-law are meant to refer to the statutes, as amended from time to time, including the regulations made pursuant thereto, that are applicable within the Province of Ontario.
- 1.04 **Severability:** If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

2 Section 2.00: Development Charges Respecting Municipal Services

- 2.01 **Designation of Municipal Services:** Development charges shall be imposed in respect of the following municipal services to pay for the increased capital-related costs required in respect of the increased needs for services arising from development:

- (a) Health and Social;
- (b) Airport;
- (c) By-Law Enforcement;
- (d) Parking;
- (e) Parks and Recreation;
- (f) Library;
- (g) Administration Studies;
- (h) Fire;
- (i) Paramedic;
- (j) Police;
- (k) Transit;
- (l) Waste Diversion;
- (m) Roads and Related;
- (n) Water Treatment;
- (o) Water Distribution;

(p) Wastewater Treatment; and

(q) Wastewater Collection.

2.02 Geographic Application of Development Charges: Respecting the municipal services designated in subsection 2.01, development charges shall be imposed in the general service area, except that:

(a) police development charges shall be imposed in the police service area only;

(b) transit development charges shall be imposed in the transit service area only;

(c) water treatment and water distribution development charges shall be imposed in the water service area only;

(d) wastewater treatment development charges shall be imposed in the wastewater service area only; and

(e) wastewater collection development charges shall be imposed in the wastewater service area only, exclusive of the wastewater-NWT service area.

2.03 Development Charges Independent of Specific Need or Benefit: Development charges shall be determined and imposed pursuant to this by-law without regard to the specific increase in need for municipal services that may be required by, or the specific municipal service benefits that may be conferred to, any individual or particular development.

Section 3.00: Approvals for Development

3.01 Development Charges Triggered by Development Approvals: Development charges shall be imposed against all lands, buildings or structures within the area to which this by-law applies if the development of such lands, buildings or structures requires any of the following approvals or actions:

(a) the passing of a zoning by-law or an amendment thereto under section 34 of the Planning Act;

(b) the approval of a minor variance under section 45 of the Planning Act;

(c) a conveyance of land to which a by-law passed under subsection 50(7) of the Planning Act applies;

(d) the approval of a plan of subdivision under section 51 of the Planning Act;

- (e) a consent under section 53 of the Planning Act;
 - (f) the approval of a description under section 9 of the Condominium Act;
or
 - (g) the issuing of a permit under the Building Code Act in relation to a building or structure.
- 3.02 **Multiple Development Approvals:** No more than one development charge for each municipal service designated in subsection 2.01 shall be imposed upon any lands, buildings or structures to which this by-law applies, in respect of a development, even though two or more of the actions and approvals described in subsection 3.01 may be required before the lands, buildings or structure can be developed.
- 3.03 **Subsequent Development Approvals:** Notwithstanding subsection 3.02, if two or more of the actions or approvals described in subsection 3.01 occur at different times for a development, additional development charges shall be imposed in respect of any increased or additional development arising directly from such approvals or actions.
- 3.04 **After Building Permit Issuance:** Where a development requires an action or approval described in subsection 3.01 after the issuance of a building permit in respect thereof, if the related development charges remain unpaid in whole or in part, the unpaid portion of development charges shall then be paid prior to the execution of the action or granting of the approval that is required.
- 3.05 **Building Permit Not Required:** If a development does not require a building permit but does require one or more of the actions or approvals described in subsection 3.01, the related development charges shall then nonetheless be payable in respect of any increased or additional development arising directly from such action or approval.
- 3.06 **Withholding of Building Permit Issuance:** As permitted by section 28 of the Act, the Chief Building Official shall withhold issuance of a building permit for a development for which any development charges remain unpaid, provided the development is not subject to an agreement pursuant to subsection 4.06 or 4.07 providing for the development charges to be paid at a time other than building permit issuance.
- 3.07 **Local Services and Other Conditions of Development:** Nothing in this by-law prevents the City from requiring as a condition of development, whether or not through a development agreement, that the owner, at his or her own expense, install local services, as the City may require, or that the owner pay for local infrastructure connections or upgrades, administrative, processing, permit, inspection or other fees or capital, community benefits or other charges as may be required by the City.

4 Section 4.00: Calculation and Payment of Development Charges

- 4.01 General Basis of Calculation:** Development charges with respect to the use of any land, buildings or structures shall be calculated:
- (a) in the case of residential development, or the residential portion of a mixed-use development, based upon the number and type of dwelling units; and
 - (b) in the case of non-residential development, or the non-residential portion of a mixed-use development, based upon the type of non-residential development and gross floor area or nameplate generating capacity of such development, whichever unit of measure is applicable.
- 4.02 Residential Calculation:** The residential development charges per dwelling unit set out in Schedule 1 to this by-law shall be imposed on residential uses of lands, buildings or structures, including a dwelling unit accessory to a non-residential use, and, in the case of a mixed use building or structure, on the residential component thereof, and calculated with respect to each of the applicable municipal services according to the type of dwelling unit.
- 4.03 Non-Residential Calculation:** The non-residential development charges per unit of gross floor area set out in Schedule 2 to this by-law shall be imposed on non-residential uses of lands, buildings or structures, and, in the case of a mixed use building or structure, on the non-residential component thereof, and calculated with respect to each of the applicable municipal services according to the type of non-residential use.
- 4.04 Modification for Electricity Generation Calculation:** Notwithstanding subsection 4.03, the non-residential development charges per 500 kilowatts of nameplate generating capacity set out in Schedule 2 to this by-law shall be imposed on electricity generation uses of lands, buildings or structures, and, in the case of a mixed use building or structure, on the electricity generation component thereof, and calculated with respect to each of the applicable municipal services according to each increment of 500 kilowatts of nameplate generating capacity.
- 4.05 Timing of Calculation and Payment of Development Charges:** Development charges pertaining to a development shall be calculated as of, and shall be payable on, the date the building permit is issued for the development or, if no such permit is or is to be issued, the date the first action or approval described in subsection 3.01 is executed or granted for the development.
- 4.06 Override with Section 26 the Act:** Notwithstanding subsection 4.05, for a development that requires approval of a plan of subdivision under section 51 of the Planning Act or a consent under section 53 of the Planning Act,

and for which a subdivision agreement or consent agreement is or is to be entered into, the City may, in accordance with Council policy, require that the roads and related, water treatment, water distribution, wastewater treatment and or wastewater collection development charges be calculated and made payable immediately upon execution of such an agreement.

- 4.07 **Override with Section 27 of the Act:** Notwithstanding subsection 4.05, the dates on which development charges pertaining to a development are to be calculated and made payable may, in accordance with Council policy, be determined by an agreement between the City and the owner required to pay the development charges.

5 Section 5.00 Development Charges Exemptions, Refunds and Credits

- 5.01 **Legislated General Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed on land owned by and used for the purposes of a municipality, a local board of a municipality or a board of education.
- 5.02 **Legislated Residential Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed with respect to actions or approvals outlined in subsection 3.01 related to residential development to which subsection 2(3) of the Act applies.
- 5.03 **Legislated Industrial Exemption:** Subject to subsection 5.04, but notwithstanding any other provision of this by-law, if a development includes the enlargement of the gross floor area of an existing industrial building, the development charges payable in respect of the enlargement shall be determined in accordance with section 4 of the Act.
- 5.04 **Discretionary Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed respecting the development of:
- (a) a place of worship, non-profit hospice, public hospital, cemetery, burial site or crematorium as defined in the Assessment Act;
 - (b) an industrial building or structure that is not electricity generation development;
 - (c) the first 2,500 square metres of gross floor area of any single commercial building or structure;
 - (d) an agricultural building or structure;
 - (e) a park model trailer; or

(f) a municipal housing dwelling unit.

5.05 Refund for Temporary Buildings or Structures: Notwithstanding any other provision of this by-law, a temporary building or structure shall, on a retroactive basis, not be considered development, and, therefore, an owner who paid development charges for a temporary building or structure shall be entitled to a refund of the development charges, without interest, if the owner demonstrates to the satisfaction of the Chief Building Official that the building or structure was indeed temporary.

5.06 Redevelopment Credit: Subject to subsections 5.07 and 5.08, but notwithstanding any other provision of this by-law, in respect of the redevelopment of land, where a building or structure on the same land was demolished or is to be demolished or converted from one principal use to another principal use, in whole or in part, in order to facilitate the redevelopment, the development charges otherwise pertaining to such a redevelopment shall, as determined by the Chief Building Official based on information he or she considers verifiable, be reduced by:

(a) in the case of a residential building or structure, or in the case of a mixed-use building or structure, the residential uses in the mixed-use building or structure, an amount calculated by multiplying the applicable development charge rate by the number, according to type, of dwelling units that have been or will be demolished or converted to another principal use; and

(b) in the case of a non-residential building or structure or, in the case of mixed-use building or structure, the non-residential uses in the mixed-use building or structure, an amount calculated by multiplying the applicable development charge rate by the gross floor area or nameplate generating capacity, whichever unit of measure is applicable, that has been or will be demolished or converted to another principal use.

5.07 Restrictions on Redevelopment Credit: In respect of development charges pertaining to a redevelopment, a reduction in the development charges determined pursuant to subsection 5.06 shall:

(a) be determined in accordance with development charge rates that would otherwise apply if the exemptions provided for by subsections 5.01 through 5.04 did not apply;

(b) notwithstanding paragraph (a) of this subsection, not exceed the amount of development charges otherwise payable pursuant to this by-law; and

(c) apply only if the building or structure in question was, as determined by the Chief Building Official, capable of being occupied within the three (3) year period prior to the development charges becoming payable pursuant to this by-law.

5.08 Override of 3-Year Restriction on Redevelopment Credit:

Notwithstanding paragraph (c) of subsection 5.07, the period during which a redevelopment credit may be obtained by an owner pursuant to subsection 5.06 may be established by the City in accordance with Council policy, but in no case shall such a period exceed ten (10) years.

5.09 Credit Related to Expiration or Revocation of Building Permit: Where a building permit has been issued for a development on land for which development charges have been paid, in the case that the building permit expires or is revoked, the development charges shall not be refunded but instead shall be credited against any subsequent development charges that may become payable as a result of any subsequent actions or approvals described in subsection 3.01 being executed or granted in respect of the same land.

5.10 Onus on Owner: The onus is on the owner liable for development charges to produce evidence to the satisfaction of the Chief Building Official that the owner is indeed entitled to an exemption, refund or credit pursuant to this section.

6 Section 6.00: Administrative Matters

6.01 Override by Prior Agreement: The provisions of an agreement between the City and an owner setting out the development charges and or services in lieu of development charges to be paid for or provided by the owner shall override this by-law if the agreement was executed before the coming into force of this by-law.

6.02 By-Law Administration: The Chief Building Official and Manager of Corporate Assets are jointly responsible for the administration of this by-law, where the former position is responsible for day-to-day administration and the latter position is responsible for general administration and oversight.

6.03 Interest: The City shall pay interest on a refund issued pursuant to subsection 18(3) or 25(2) of the Act in accordance with the minimum interest rate as prescribed by the Act subject to that rate being updated by the City Treasurer on the first business day of every January, April, July and October during the term of this by-law.

6.04 Restructuring of Reserve Fund: Upon enactment of this by-law, pursuant to section 33 of the Act the City Treasurer shall restructure the development charge reserve fund as necessary into separate accounts respecting the municipal services designated in subsection 2.01.

- 6.05 **Replenishment of Reserve Fund:** To ensure transparent and timely compliance with paragraph 3 of subsection 5(6) of the Act, the City Treasurer shall ensure the development charge reserve fund is replenished annually from other City funds to correct shortfalls in the development charge reserve fund resulting from development charges exemptions or any similar cause that may arise.
- 6.06 **Phasing in of Development Charges:** The development charges set out in Schedule 1 and Schedule 2 shall not be phased in, and, subject to indexation in accordance with subsection 6.07, shall take effect upon the coming into force of this by-law.
- 6.07 **Indexation of Development Charges:** Without amendment to this by-law, starting on January 1, 2020 the Manager of Corporate Assets shall annually index the development charges set out in Schedule 1 and Schedule 2 in accordance with the most recently published Statistics Canada Quarterly Construction Price Statistics Index, or any successor thereof, whereupon the indexed development charges shall take effect at 12:01am on January 1 of the year during which they are to be in effect.
- 6.08 **Collection as Property Taxes:** In accordance with subsection 32(1) of the Act, development charges or any portion thereof that remain unpaid after they become payable by the subject owner shall be added to the tax roll and shall be collected from the owner in the same manner as property taxes.
- 6.09 **Registration on Title:** As permitted by section 42 of the Act, the City may register a certified copy of this by-law with the Land Registry Office, or any successor thereof, against title to any land to which this by-law applies.

7 Section 7.00 Other Matters

- 7.01 **Schedules:** The following schedules to this by-law form part of this by-law:
- (a) Schedule 1: Residential Development Charges;
 - (b) Schedule 2: Non-Residential Development Charges; and
 - (c) Schedule 3: Northwest Lindsay Development Area.
- 7.02 **Abbreviations in Schedules:** The following equivalences apply to abbreviations used in the schedules to this by-law:
- (a) “GFA” stands for gross floor area;
 - (b) “NGC” stands for nameplate generating capacity; and
 - (c) “KW” stands for kilowatt or kilowatts, as context requires.

- 7.03 **Subsequent By-Laws:** This by-law does not preclude the enactment of subsequent by-laws imposing development charges within the City.
- 7.04 **Headings for Reference Only:** Headings herein are used for reference only and shall not affect the construction or interpretation of this by-law.
- 7.05 **Effective Date and Expiry:** This by-law shall come into force at 12:01am April 1, 2020, and shall expire at 12:01am April 1, 2025 unless it is repealed prior thereto.
- 7.06 **Repeal:** By-Law 2015-224 (A By-Law to Impose Development Charges in the City of Kawartha Lakes) is repealed upon the coming into force of this by-law.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

Schedule 1: Residential Development Charges

The residential development charges shall be the development charges in the following table, subject to indexation:

Service	RESIDENTIAL			
	Single and Semi-Detached Dwelling	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	Row or Multiple
Municipal Wide Services:				
Fire Services	322	193	146	287
Police Services ¹	393	236	178	350
Roads and Related	6,049	3,628	2,734	5,381
Transit Services ²	240	144	108	213
Parking Services	111	66	50	98
Airport Services	22	13	10	20
Parks and Recreation	664	398	300	590
Library Services	340	204	154	303
Paramedic Services	190	114	86	169
Municipal By-law Enforcement	14	9	6	13
Health & Social Services	206	123	93	183
Waste Diversion Services	33	20	15	29
Administration Studies	362	217	164	322
Total Municipal Wide Services	8,946	5,365	4,044	7,958
Urban Services				
Wastewater Treatment	4,057	2,433	1,834	3,609
Wastewater Collection ³	5,899	3,538	2,666	5,247
Water Treatment	3,181	1,908	1,438	2,829
Water Distribution	3,302	1,981	1,493	2,938
Total Urban Services	16,439	9,860	7,431	14,623
Urban - Lindsay	25,385	15,225	11,475	22,581
Urban - NWT	19,486	11,687	8,809	17,334
Urban - Other	24,752	14,845	11,189	22,018
Rural - Ops	8,706	5,221	3,936	7,745
Rural - Other	8,313	4,985	3,758	7,395

1. Polices services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area

Schedule 2: Non-Residential Development Charges

The non-residential development charges shall be the development charges in the following table, subject to indexation:

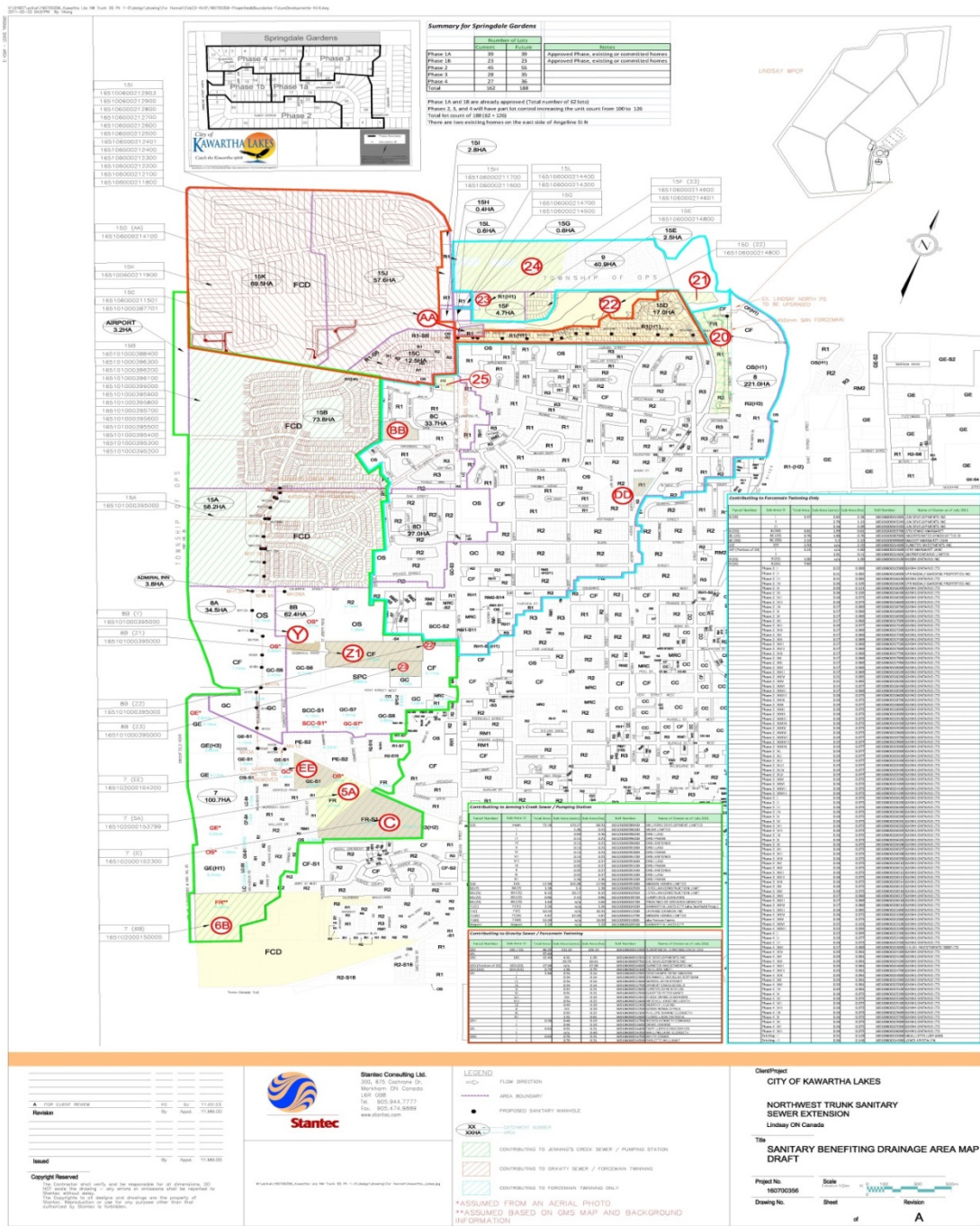
Service	NON-RESIDENTIAL	
	per sq.m. of Gross Floor Area	per 500kW nameplate generating capacity
Municipal Wide Services:		
Fire Services	2.63	322
Police Services ¹	2.69	393
Roads and Related	49.39	6049
Transit Services ²	1.71	
Parking Services	0.90	
Airport Services	0.18	
Parks and Recreation	1.91	
Library Services	0.98	
Paramedic Services	1.55	190
Municipal By-law Enforcement	0.12	
Health & Social Services		
Waste Diversion Services	0.27	
Administration Studies	2.95	362
Total Municipal Wide Services	65.27	7,316
Urban Services		
Wastewater Treatment	28.24	
Wastewater Collection ³	51.97	
Water Treatment	22.39	
Water Distribution	23.24	
Total Urban Services	125.84	-
Urban - Lindsay	191.11	7,316
Urban - NWT	139.14	7,316
Urban - Other	186.71	6,923
Rural - Ops	63.56	7,316
Rural - Other	60.87	6,923

1. Polices services only payable within Lindsay and the former Township of Ops

2. Transit Services only payable within Lindsay

3. Wastewater Collection Services only payable within municipal service area, outside of the Northwest Lindsay Development Area

Schedule 3: Northwest Lindsay Development Area





Appendix G

Reserve Fund Reconciliation Calculations

City of Kawartha Lakes 2009-2019 DC Reserve Fund Reconciliation: Calculation of Unindexed Gross Corrective Draw from DC Reserve Fund

Municipal Service and DC Study Growth-Related Need	Potential DC Recoverable Cost		Budgeted / Committed / Actual Cost (Net of Project-Specific Grants and Other Contributions)	Required DC Draw	Budgeted / Committed / Actual DC Draw + Funded DC Credits for Capital Work in Lieu of DCs	Unindexed Gross Corrective DC Draw
			Total (\$)	Total (\$)	Total (\$)	Total (\$)
	%	\$				
Administration						
<u>2009 DC Study</u>						
Development Charge Study (Interim Report, Final Report, Master Plan)	90.0%	90,000	110,586	99,528	10,586	88,941
Official Plan and Zoning By-Law Review	67.5%	70,413	104,709	70,679	80,945	(10,267)
Secondary Plans (Lindsay, Fenelon Falls, Bobcaygeon, Omemee)	45.0%	54,000	126,217	56,798	56,675	123
Heritage Masterplan	67.5%	20,250	74,175	50,068	-	50,068
Community Improvement Plan	67.5%	16,875	14,778	9,975	-	9,975
Urban Design - Parking Studies (Bobcaygeon and Fenelon Falls)	67.5%	27,000	39,966	26,977	-	26,977
Bobcaygeon Library Expansion Study	67.5%	23,625	36,785	24,830	-	24,830
Airport Studies	67.5%	27,000	27,595	18,626	-	18,626
Fire Master Plan	45.0%	22,500	28,495	12,823	-	12,823
Intensification Study (Growth Management Strategy)	67.5%	40,500	87,183	58,849	-	58,849
Housing Strategy	67.5%	40,500	46,578	31,440	-	31,440
Lake Capacity Studies (Lake Management Planning - Multi-Year Project)	45.0%	22,500	1,068,077	480,635	-	480,635
Site Planning Standards (Community Design Standards)	67.5%	13,500	16,664	11,248	-	11,248
Woodville Hydrological Study	45.0%	67,500	152,201	68,490	-	68,490
Transportation Masterplan	67.5%	119,070	245,973	166,031	69,973	96,059
			-	-	-	-
<u>2014 DC Study</u>			-	-	-	-
Asset Management Plan	10.9%	10,890	82,484	8,982	-	8,982
Asset Management Plan System (Portion of ERP) (CityWide Software)	10.9%	9,801	88,000	9,583	-	9,583
Development Charge Study/Review/Update (2014 Study)	90.0%	31,500	54,107	48,696	-	48,696
Development Charge Study/Review/Update (Peer Review and 2015 Study)	90.0%	31,500	251,607	226,446	181,905	44,541
Zoning By-Law Comprehensive Review	45.0%	54,000	-	-	-	-
Fenelon Corridor Study	0.0%		-	-	46,099	(46,099)
<u>2015 DC Study</u>			-	-	-	-
Asset Management Plan	10.9%	11,435	104,258	11,354	13,300	(1,947)
Lake Management Planning - Multi-Year Project	45.0%	286,200	636,000	286,200	-	286,200
Flood Plain Mapping - Multi-Year Project	67.5%	621,675	1,065,500	719,213	281,790	437,423
D.C. Background Study	90.0%	40,500	70,000	63,000	21,460	41,540
Downtown Parking Strategy	67.5%	67,500	100,000	67,500	-	67,500
Administration Total			4,631,937	2,627,971	762,735	1,865,237
Fire						
<u>2009 DC Study</u>						
Station 8 - Pontypool	52.4%	420,093	806,642	422,374	213,514	208,860
Central Training Facility	25.0%	37,500	59,786	14,946	13,347	1,599
Pumper Tanker Truck (11 Trucks Replaced)	10.0%	495,000	3,963,892	396,389	194,817	201,572
Pumper Rescue Truck (6 Trucks Replaced)	10.0%	240,000	2,502,995	250,300	89,203	161,096
75' Spartan Aerial Truck (1 Truck Replaced)	10.0%	240,000	699,920	69,992	-	69,992

City of Kawartha Lakes 2009-2019 DC Reserve Fund Reconciliation: Calculation of Unindexed Gross Corrective Draw from DC Reserve Fund

Municipal Service and DC Study Growth-Related Need	Potential DC Recoverable Cost		Budgeted / Committed / Actual Cost (Net of Project-Specific Grants and Other Contributions)	Required DC Draw	Budgeted / Committed / Actual DC Draw + Funded DC Credits for Capital Work in Lieu of DCs	Unindexed Gross Corrective DC Draw
			Total (\$)	Total (\$)	Total (\$)	Total (\$)
	%	\$				
Extrication Equipment	10.7%	26,839	245,819	26,391	20,000	6,391
Telecommunications Equipment	10.7%	10,736	143,114	15,364	9,989	5,375
Station 7 - Bethany (reverse funding)			-	-	3,204	(3,204)
			-	-	-	-
<u>2014 DC Study</u>			-	-	-	-
Central Training Facility	12.1%	62,920	-	-	-	-
Extrication Equipment	12.1%	6,050	101,252	12,252	25,277	(13,026)
Pumper Tanker Truck Replacement	32.1%	138,030	946,590	303,855	266,998	36,857
Pumper Rescue Truck Replacement	35.4%	152,220	913,212	323,277	184,351	138,926
Fire Master Plan (Station Location Study Component)	75.0%	18,750	10,000	7,500	-	7,500
			-	-	-	-
<u>2015 DC Study</u>			-	-	-	-
Extrication Equipment	12.1%	6,050	205,561	24,873	13,853	11,020
Pumper Tanker Truck	32.1%	160,821	562,357	180,516	194,877	(14,361)
Fire Master Plan (Peer Review of Station Location Study Component)	75.0%	18,750	9,680	7,260	27,790	(20,530)
Bethany Firehall Replacement	48.6%	485,799	-	-	-	-
Central Training Facility	12.1%	18,190	-	-	150	(150)
Bethany Firehall Replacement	48.6%	485,799	-	-	383,973	(383,973)
Mariposa Fire Station	10.0%	196,000	1,960,000	196,000	-	196,000
			-	-	-	-
Fire Total		3,219,547	13,130,819	2,251,290	1,641,345	609,945
Parks and Recreation						
<u>2009 DC Study</u>						
Sonya Park - Playground Equipment	90.0%	31,500	42,354	38,118	20,589	17,530
Marlene James Park - Playground/Amenities/Trees	90.0%	45,000	60,505	54,455	29,412	25,043
Dormer Park - Playground/Trees/Amenities	90.0%	72,000	96,809	87,128	47,060	40,068
Hamilton Park - Add Play Equipment	90.0%	10,800	14,521	13,069	7,059	6,010
Broad Street Park Development	90.0%	45,000	60,505	54,455	29,412	25,043
Northlin Park - Upgrade Playground Equipment; Add Park Amenities	67.5%	43,200	45,331	30,599	29,134	1,465
O'Reilly Lane - Playground/Basketball Court	90.0%	18,000	18,499	16,649	13,958	2,691
Bobcaygeon Beach Park Development - Splash Pad/Playground/Shelter	90.0%	90,000	96,672	87,005	108,627	(21,622)
Shadow Lake Park - Playground Equipment	90.0%	22,500	23,804	21,423	17,448	3,976
Ops Community Centre Playground Expansion	90.0%	43,200	159,353	143,417	33,500	109,918
Marlene James Park - Renovate Existing Parking Area	45.0%	11,250	13,885	6,248	-	6,248
Logie Park Development (Study Component)	90.0%	22,500	19,322	17,389	17,389	0
Trail Development Project	45.0%	1,800,000	226,642	101,989	9,373	92,616
2 Pick-up Trucks (4x4)	45.0%	31,680	56,005	25,202	-	25,202
Lindsay Recreation Complex	35.5%	2,120,311	4,013,381	1,423,013	499,883	923,130
Bobcaygeon Arena - Upgrades/Accessibility	9.0%	11,700	870,751	78,368	52,500	25,868
Fenelon Falls Arena/Community Centre	18.0%	1,800,000	3,156,159	568,109	-	568,109
Forbert Memorial Pool Expansion (reverse funding)			-	-	240,000	(240,000)

City of Kawartha Lakes 2009-2019 DC Reserve Fund Reconciliation: Calculation of Unindexed Gross Corrective Draw from DC Reserve Fund

Municipal Service and DC Study Growth-Related Need	Potential DC Recoverable Cost		Budgeted / Committed / Actual Cost (Net of Project-Specific Grants and Other Contributions)	Required DC Draw	Budgeted / Committed / Actual DC Draw + Funded DC Credits for Capital Work in Lieu of DCs	Unindexed Gross Corrective DC Draw
			Total (\$)	Total (\$)	Total (\$)	Total (\$)
	%	\$				
			-	-	-	-
<u>2014 DC Study</u>			-	-	-	-
Durham St. Walkway/Park Entrance Development	45.0%	72,000	167,724	75,476	36,000	39,476
			-	-	-	-
<u>2015 DC Study</u>			-	-	-	-
Arena Master Plan (Arena Rationalization Component)	67.5%	33,750	15,986	10,791	-	10,791
South-East Lindsay Park Master Plan	90.0%	45,000	-	-	44,418	(44,418)
Logie Park Sportsfield and Playground	90.0%	136,800	-	-	532,870	(532,870)
Durham St. Walkway/Park Entrance Development (Phase 2)	45.0%	36,000	89,822	40,420	4,420	36,000
Bobcaygeon Beach Park Development	14.2%	8,524	-	-	166,414	(166,414)
Forestry Truck	45.0%	87,750	236,510	106,430	-	106,430
Wilson's Fields Fence	90.0%	18,000	20,000	18,000	-	18,000
Lindsay Trail Development - Broad St. S. to Commerce Rd.	90.0%	414,900	13,000	11,700	-	11,700
			-	-	-	-
Parks and Recreation Total		7,071,365	9,517,540	3,029,452	1,939,465	1,089,987
Transit						
<u>2009 DC Study</u>						
Fleet Expansion (7 buses)	15.0%	220,515	662,185	99,334	-	99,334
			-	-	-	-
<u>2014 DC Study</u>			-	-	-	-
Bus	15.0%	24,752	144,763	21,716	-	21,716
			-	-	-	-
<u>2015 DC Study</u>			-	-	-	-
LIMO Bus	90.0%	148,500	172,355	155,120	-	155,120
Master Plan	67.5%	27,000	68,056	45,938	45,938	0
			-	-	-	-
Transit Total		420,767	1,047,360	322,108	45,938	276,171
Library						
<u>2009 DC Study</u>						
Library Collection Additions	90.0%	485,010	1,332,169	280,642	-	280,642
			-	-	-	-
<u>2014 DC Study</u>			-	-	-	-
Bobcaygeon Library Renovation and Expansion	45.0%	315,000	-	-	-	-
Collection Expansion	90.0%	52,200	140,000	126,000	-	126,000
			-	-	-	-
<u>2015 DC Study</u>			-	-	-	-
Collection Expansion	90.0%	63,000	280,000	252,000	189,000	63,000
Bobcaygeon Library Design	61.2%	-	75,000	45,900	-	45,900
Omeme Library Expansion - Lease	66.9%		73,450	49,165	-	49,165
Library Total		915,210	1,900,619	753,708	189,000	564,708

City of Kawartha Lakes 2009-2019 DC Reserve Fund Reconciliation: Calculation of Unindexed Gross Corrective Draw from DC Reserve Fund

Municipal Service and DC Study Growth-Related Need	Potential DC Recoverable Cost		Budgeted / Committed / Actual Cost (Net of Project-Specific Grants and Other Contributions)	Required DC Draw	Budgeted / Committed / Actual DC Draw + Funded DC Credits for Capital Work in Lieu of DCs	Unindexed Gross Corrective DC Draw
			Total (\$)	Total (\$)	Total (\$)	Total (\$)
	%	\$				
Police						
<u>2009 DC Study</u>						
Console Radio	12.8%	6,380	138,284	17,645	6,380	11,265
<u>2015 DC Study</u>						
Patrol Vehicle	100.0%	48,200	48,206	48,206	-	48,206
			-	-	-	-
Police Total		54,580	186,490	65,851	6,380	59,471
Health and Social						
<u>2009 DC Study</u>						
Victoria Manor Redevelopment (Study Component)	12.2%	41,000	58,323	7,108	-	7,108
<u>2015 DC Study</u>						
Housing Master Plan	67.5%	-	61,270	41,357	-	41,357
			-	-	-	-
Total		41,000	119,593	48,465	-	48,465
Paramedic						
<u>2009 DC Study</u>						
Pontypool - Ambulance Bay in New Fire Station	25.2%	49,875	198,790	50,146	210,600	(160,454)
2 Additional Ambulances	56.9%	147,996	261,319	148,747	-	148,747
			-	-	-	-
<u>2015 DC Study</u>						
Paramedic Services Master Plan Update	23.1%	2,310	8,000	1,848	-	1,848
Ambulance	45.6%	70,685	165,000	75,245	-	75,245
Ambulance Equipment	45.6%	41,955	85,000	38,763	-	38,763
			-	-	-	-
Paramedic Total		312,821	718,109	314,749	210,600	104,149
Airport						
<u>2009 DC Study</u>						
			-	-	-	-
<u>2014 DC Study</u>						
			-	-	-	-
Internal Gravel Roadway	4.1%	1,027	21,872	898	-	898
Remove Decommissioned Fuel Tanks	4.1%	2,054	19,746	811	-	811
			-	-	-	-
<u>2015 DC Study</u>						
			-	-	-	-
Airport Parking Lot and Apron Lighting Upgrades	6.9%	1,040	9,027	626	(513)	1,138
Airport Apron Rehabilitation	6.9%	8,385	26,673	1,848	3,012	(1,163)
Airport Capital Plan	6.9%	2,772	80,000	5,544	782	4,762
Airport Siteworks Program	6.9%	8,385	-	-	697	(697)
Runway 13-31 GPS, ODALS, PAPI and REILS	6.9%	14,553	260,363	18,043	-	18,043

City of Kawartha Lakes 2009-2019 DC Reserve Fund Reconciliation: Calculation of Unindexed Gross Corrective Draw from DC Reserve Fund

Municipal Service and DC Study Growth-Related Need	Potential DC Recoverable Cost		Budgeted / Committed / Actual Cost (Net of Project-Specific Grants and Other Contributions)	Required DC Draw	Budgeted / Committed / Actual DC Draw + Funded DC Credits for Capital Work in Lieu of DCs	Unindexed Gross Corrective DC Draw
			Total (\$)	Total (\$)	Total (\$)	Total (\$)
	%	\$				
Runway 13-31 Parallel Taxiway	6.9%	77,062	20,000	1,386	-	1,386
Commercial/Hanger Service Roads	6.9%	41,580	201,888	13,991	-	13,991
			-	-	-	-
Airport Total		156,857	639,569	43,147	3,978	39,170
Roads & Related						
2009 DC Study						
Urban/Rural Upgrades - Urban/Rural Reconstruction	20.0%	2,119,912	11,274,539	2,254,908	3,228,687	(973,779)
Road Reconstruction/Resurfacing - Hot Mix Resurfacing	20.0%	997,159	13,236,053	2,647,211	418,759	2,228,452
Road Reconstruction/Resurfacing - Surface Treatment	20.0%	997,159	11,847,399	2,369,480	1,925,254	444,226
Hot Mix Resurface - CKL Road 45	10.0%	370,000	2,340,619	234,062	65,214	168,848
Traffic Control (4-Phase Controllers, 3M Controller Card, School Crossing Lights)	10.7%	7,597	470,571	50,351	18,135	32,216
Colborne St. W. Reconstruction - Highway 35 to Angeline St. N.	100.0%	1,443,700	-	-	-	-
Logie St. Reconstruction - Intersection of Logie St./Parkside Dr.	61.4%	61,395	101,668	62,419	-	62,419
Logie St. Reconstruction - Riverview Rd. to Parkside Dr.	61.4%	869,529	1,745,489	1,071,649	-	1,071,649
Logie St. Reconstruction - Parkside Dr. to Dobson St.	100.0%	1,249,321	486,273	486,273	129,068	357,205
Logie St. Reconstruction - Dobson St. to Lindsay St. S. (Road Component)	61.4%	1,228,000	2,179,767	1,338,377	437,900	900,477
Logie St. Reconstruction - Dobson St. to Lindsay St. S. (D.C. Credits)	100.0%	-	(630,186)	(630,186)	-	(630,186)
General Intersection Improvements	20.0%	322,092	181,212	36,242	144,399	(108,157)
Mary and Lindsay Street Intersection Improvement	30.0%	99,600	152,115	45,634	-	45,634
Bridge Design	20.0%	20,850	656,429	131,286	-	131,286
Bridge Surveys	20.0%	25,000	54,020	10,804	15,000	(4,196)
Bridge Reconstruction (RR24 Br. Bobcaygeon, Morton Lane Br., Fingerboard)	4.5%	140,000	575,000	25,682	140,000	(114,318)
Bridge Reconstruction	0.0%	-	3,635,770	-	237,284	(237,284)
7 Sidewalk Plows	68.3%	717,100	296,729	202,652	-	202,652
7 Pick-Ups	68.3%	119,500	56,005	38,243	-	38,243
Official Plan and Zoning By-Law Review	0.0%	-	-	-	28,600	(28,600)
Transportation Master Plan	0.0%	-	-	-	21,577	(21,577)
2014 DC Study			-	-	-	-
Structural Appraisals (Bridge and Culvert Inspection Studies)	18.8%	24,440	74,700	14,044	-	14,044
Traffic Corridor Study and EA - Kent St./Colborne St. (Lindsay)	50.0%	50,000	168,874	84,437	-	84,437
Traffic Corridor Study and EA - Lindsay St./Colborne St. (Fenelon Falls)	50.0%	50,000	116,422	58,211	-	58,211
1-Ton Truck	100.0%	75,000	60,643	60,643	-	60,643
Mitchell's Bridge Replacement and Widening	50.0%	1,950,000	3,711,397	1,855,699	760,363	1,095,335
East Cross Creek Bridge Replacement and Widening (EA and Design Complete)	50.0%	550,000	145,340	72,670	-	72,670
Culvert Replacement	0.0%	-	229,072	-	87,645	(87,645)
Urban/Rural Reconstruction	10.0%	840,000	5,777,035	577,704	1,933,022	(1,355,319)
North Street and Helen Street Upgrades (Road Component)	20.3%	689,597	3,489,427	708,467	-	708,467
Urban and Arterial Resurfacing	0.0%	-	8,083,060	-	1,173,472	(1,173,472)
Rural Resurfacing	0.0%	-	7,798,501	-	1,120,959	(1,120,959)
Gravel Resurfacing	0.0%	-	909,630	-	90,000	(90,000)
Localized Resurfacing	0.0%	-	532,872	-	71,331	(71,331)

City of Kawartha Lakes 2009-2019 DC Reserve Fund Reconciliation: Calculation of Unindexed Gross Corrective Draw from DC Reserve Fund

Municipal Service and DC Study Growth-Related Need	Potential DC Recoverable Cost		Budgeted / Committed / Actual Cost (Net of Project-Specific Grants and Other Contributions)	Required DC Draw	Budgeted / Committed / Actual DC Draw + Funded DC Credits for Capital Work in Lieu of DCs	Unindexed Gross Corrective DC Draw
			Total (\$)	Total (\$)	Total (\$)	Total (\$)
	%	\$				
Sidewalks	0.0%	-	294,057	-	75,338	(75,338)
Streetlights	0.0%	-	83,501	-	8,350	(8,350)
Municipal Parking Lot Improvements	0.0%	-	90,742	-	13,611	(13,611)
Albert St./Colborne St. Traffic Signal (Lindsay) (Flasher)	90.0%	202,500	28,735	25,861	8,004	17,857
Russell St./Victoria Ave. Traffic Signal (Lindsay) (Light - Full Set)	90.0%	180,000	72,920	65,628	10,029	55,599
Mary St./Lindsay St. Traffic Signal (Lindsay) (Light - Full Set)	90.0%	202,500	103,200	92,880	141,240	(48,360)
Traffic Signal Improvements	0.0%	-	24,887	-	-	-
Bobcaygeon Depot Relocation and Expansion - Sand and Salt Storage and	34.0%	249,900	-	-	30,470	(30,470)
Bobcaygeon Depot Relocation and Expansion - Main Garage	34.0%	464,100	-	-	-	-
			-	-	-	-
<u>2015 DC Study</u>			-	-	-	-
Urban/Rural Reconstruction	10.0%	500,000	23,249,647	2,324,965	1,373,944	951,020
Weldon Rd./Road 36 Signalization (Lindsay)	90.0%	124,200	16,174	14,557	17,864	(3,307)
Kent St./McLaughlin Rd. Signalization (Lindsay)	90.0%	135,000	275,854	248,268	189,400	58,868
Roads Needs Study	18.8%	24,440	144,247	27,119	17,673	9,446
Roads Operations Depot Study and EA	50.0%	50,000	50,282	25,141	-	25,141
Roads Operations Master Plan	75.0%	45,000	74,800	56,100	-	56,100
Lindsay Roads Operations Depot	75.0%	1,875,000	-	-	8,806	(8,806)
Bridges			-	-	-	-
Road Restoration for WWW Projects			-	-	49,519	(49,519)
D.C. Debt Principal and Interest	100.0%	-	1,391,810	1,391,810	937,223	454,587
Bridges (DC ONLY for Fenelon Falls Bridge/Crossing			-	-	5,108	(5,108)
CKL Rd. 121 Pedestrian Signals (Fenelon Falls)	90.0%	63,000	70,000	63,000	-	63,000
Logie St. / Lindsay St. Traffic Signal (Lindsay)	90.0%	40,500	45,000	40,500	-	40,500
Kent St./Lindsay St. Signalization Improvement (Lindsay)	90.0%	27,000	120,000	108,000	-	108,000
East Cross Creek Bridge Reconstruction and Widening	50.0%	550,000	2,276,902	1,138,451	932,285	206,166
Kent St. W. / Angeline St. N. Intersection	95.0%	1,444,000	79,310	75,344	-	75,344
Colborne St. W. / Angeline St. N. Intersection	95.0%	1,444,000	81,415	77,344	-	77,344
Colborne St. W.	80.0%	3,288,000	121,365	97,092	-	97,092
Kent St./Whitney Town Centre Traffic Signal	90.0%	283,500	-	-	-	-
Second Fenelon Falls Area Bridge/Crossing	100.0%	5,410,000	236,162	236,162	-	236,162
Jennings Creek Culverts	50.0%	200,000	699,320	349,660	-	349,660
Roads Total		31,819,590	109,386,774	20,264,843	15,865,534	4,399,308
Water Treatment						
<u>2009 DC Study</u>						
SCADA Network (Remaining Works) (Water Treatment Component)	15.0%	405,000	2,162,733	324,410	202,500	121,910
Bobcaygeon Plant Improvements	18.0%	448,799	-	-	-	-
Provision for 2 Additional Vehicles	100.0%	63,800	-	-	-	-
2009 D.C. Reconciliation Future Debt Payments	100.0%		1,859,995	1,859,995	1,749,257	110,737
<u>2014 DC Study</u>			-	-	-	-

City of Kawartha Lakes 2009-2019 DC Reserve Fund Reconciliation: Calculation of Unindexed Gross Corrective Draw from DC Reserve Fund

Municipal Service and DC Study Growth-Related Need	Potential DC Recoverable Cost		Budgeted / Committed / Actual Cost (Net of Project-Specific Grants and Other Contributions)	Required DC Draw	Budgeted / Committed / Actual DC Draw + Funded DC Credits for Capital Work in Lieu of DCs	Unindexed Gross Corrective DC Draw
			Total (\$)	Total (\$)	Total (\$)	Total (\$)
	%	\$				
Lindsay WTP LLPS Upgrades	89.3%	3,981,823	1,552	1,387	758	629
Logie St. Reconstruction - Dobson St. to Lindsay St. S. (DC Credits)	0.0%	-	-	-	-	-
Omemee Water Servicing EA	50.0%	100,000	87,301	43,650	43,815	(164)
Lindsay Water Capacity Study	100.0%	200,000	72,399	72,399	72,399	-
Bobcaygeon Water and Wastewater Capacity Study (Water Treatment Component)	100.0%	87,500	48,835	48,835	-	48,835
Fenelon Falls Water and Wastewater Capacity Study (Water Treatment Component)	100.0%	82,500	81,773	81,773	-	81,773
			-	-	-	-
<u>2015 DC Study</u>			-	-	-	-
Mill Street Watermain	0.0%	-	-	-	91,696	(91,696)
East Street North Watermain Replacement	0.0%	-	-	-	7,699	(7,699)
Fenelon Falls Watermain Upgrades	0.0%	-	-	-	37,767	(37,767)
Watermain Replacement	0.0%	-	-	-	253,476	(253,476)
Combined W&WW Distribution & Collection	0.0%	-	-	-	93,437	(93,437)
D.C. Debit Debenture Payment	100.0%		281,110	281,110	189,296	91,814
Abraham Matter				-	35,340	(35,340)
Water Treatment Total		5,369,421	4,595,698	2,713,559	2,777,439	(63,880)
Water Distribution						
<u>2013 Lindsay SE DC Study</u>						
Lindsay South East DC Study (Water Distribution Component)	100.0%	25,000	25,436	25,436	-	25,436
Logie St. Reconstruction - Riverview Rd. to Parkside Dr. (Water Distribution Component)	100.0%	600,000	599,552	599,552	-	599,552
Logie St. Reconstruction - Dobson St. to Lindsay St. S. (Water Distribution Component)	100.0%	300,000	341,966	341,966	-	341,966
Logie St. Reconstruction - Dobson St. to Lindsay St. S. (D.C. Credits)	100.0%	-	(341,966)	(341,966)	-	(341,966)
Lindsay St. S. Watermain - Mary St. W. to Logie St.	84.4%	1,121,858	1,056,132	890,930	796,902	94,028
Official Plan and Zoning By-Law Review	0.0%	-	-	-	7,700	(7,700)
Lindsay SE Development - Ron Robinson Credits	100.0%	36,206	-	-	-	-
Urban/Rural Upgrades - Urban/Rural Reconstruction	0.0%	-	-	-	15,409	(15,409)
			-	-	-	-
<u>2009 DC Study</u>			-	-	-	-
			-	-	-	-
<u>2014 DC Study</u>			-	-	-	-
Bobcaygeon WTP Trunk Main Replacement	69.9%	115,253	425,986	297,551	163,635	133,916
Mary Street Watermain Construction (Water Distribution Component)	45.8%	522,693	745,754	341,331	583,509	(242,178)
North Street and Helen Street Upgrades (Water Distribution Component)	3.0%	17,936	504,492	15,266	72,538	(57,272)
			-	-	-	-
<u>2015 DC Study</u>			-	-	-	-
Mill Street Watermain (Design Component)	93.2%	1,361,652	195	181	(47,347)	47,528
East Street North Watermain Replacement (Design Component)	100.0%	677,000	795,411	795,411	4,463	790,947
Fenelon Falls Watermain Upgrades (Design Component)	67.5%	1,272,038	59,957	40,471	2,681	37,790
Canal Street Watermain	10.0%	99,100	25,425	2,543	-	2,543
Durham St. W. Mains (Albert St.-Adelaide St.)	76.8%	370,264	862,554	662,804	-	662,804
Lindsay Area 6 Mains	50.5%	1,299,724	355,767	179,712	-	179,712

City of Kawartha Lakes 2009-2019 DC Reserve Fund Reconciliation: Calculation of Unindexed Gross Corrective Draw from DC Reserve Fund

Municipal Service and DC Study Growth-Related Need	Potential DC Recoverable Cost		Budgeted / Committed / Actual Cost (Net of Project-Specific Grants and Other Contributions)	Required DC Draw	Budgeted / Committed / Actual DC Draw + Funded DC Credits for Capital Work in Lieu of DCs	Unindexed Gross Corrective DC Draw
			Total (\$)	Total (\$)	Total (\$)	Total (\$)
	%	\$				
King St. Mains	3.8%	20,514	5,574	212	-	212
Colborne St. Mains (Bond St. - Helen St.)	20.9%	82,884	42,630	8,923	-	8,923
Water Distribution Total		7,922,121	5,504,863	3,860,321	1,599,490	2,260,831
Sewage Treatment						
2009 DC Study						
Lindsay WPCP Upgrades (EA Component)	31.2%	4,637,400	108,526	33,853	-	33,853
SCADA Network (Remaining works) (Sewage Treatment Component)	15.0%	405,000	2,162,733	324,410	202,500	121,910
2009 D.C. Reconciliation Future Debt Payments	100.0%	-	412,412	412,412	329,946	82,466
2014 DC Study			-	-	-	-
Bobcaygeon Sanitary System Flow Monitoring	66.0%	99,000	100,650	66,429	-	66,429
Lindsay WPCP Upgrades (EA and Lagoon #6 Retrofit Component)	55.3%	7,631,400	93,909	51,932	54,300	(2,368)
Logie St. Reconstruction - Dobson St. to Lindsay St. S. (DC credits)	0.0%	-	-	-	-	-
Omemee Wastewater Upgrades Action Plan	65.7%	179,691	282,680	185,721	-	185,721
Omemee DC/CC Background Study	100.0%	25,000	43,425	43,425	-	43,425
Upgrades to the Omemee WPCP	65.7%	1,484,428	2,498,712	1,641,653	743,325	898,328
Fenelon Falls Sewage Improvements	50.0%	75,000	148,406	74,203	74,203	0
Lindsay Wastewater Capacity Study	100.0%	200,000	167,123	167,123	215,222	(48,099)
Bobcaygeon Water and Wastewater Capacity Study (Sewage Treatment Co	100.0%	87,500	48,835	48,835	97,669	(48,835)
Fenelon Falls Water and Wastewater Capacity Study (Sewage Treatment C	100.0%	82,500	81,773	81,773	163,546	(81,773)
Omemee Water Servicing - Class EA	100.0%	-	-	-	-	-
2015 DC Study			-	-	-	-
Lindsay WPCP Upgrades (Design Component)	55.3%	7,631,400	661,052	365,562	244,948	120,614
Ellice St. SPS Upgrade (Fenelon Falls)	80.8%	1,535,028	-	-	1,081,071	(1,081,071)
Colborne St. SPS Upgrade (Lindsay)	71.5%	5,100,709	-	-	3,919,490	(3,919,490)
Adelaide St. N. Sewer	100.0%	-	-	-	39,783	(39,783)
Wastewater Treatment	100.0%	-	-	-	841,641	(841,641)
D.C. Debit Debenture Payment	100.0%	-	770,351	770,351	518,744	251,607
Sewer - Omemee	100.0%	-	-	-	218,516	(218,516)
Sewer - Lindsay	100.0%	-	-	-	21,992	(21,992)
St. David St. Sewer Inspection	100.0%	-	-	-	15,000	(15,000)
Combined W&WW Distribution & Collection	100.0%	-	-	-	93,437	(93,437)
Sewage Treatment Total		29,174,056	7,580,586	4,267,681	8,875,333	(4,607,652)
Sewage Collection						
2013 Lindsay SE DC Study						
Lindsay South East DC Study (Sewage Collection Component)	100.0%	45,000	46,276	46,276	-	46,276
Logie Street Reconstruction - Riverview Rd. to Parkside Dr. (Sewage Collec	100.0%	200,000	228,461	228,461	-	228,461
Logie St. Reconstruction - Dobson St. to Lindsay St. S. (Sewage Collection C	100.0%	140,000	159,083	159,083	-	159,083
Logie St. Reconstruction - Dobson St. to Lindsay St. S. (D.C. Credits)	100.0%	-	(159,083)	(159,083)	-	(159,083)

City of Kawartha Lakes 2009-2019 DC Reserve Fund Reconciliation: Calculation of Unindexed Gross Corrective Draw from DC Reserve Fund

Municipal Service and DC Study Growth-Related Need	Potential DC Recoverable Cost		Budgeted / Committed / Actual Cost (Net of Project-Specific Grants and Other Contributions)	Required DC Draw	Budgeted / Committed / Actual DC Draw + Funded DC Credits for Capital Work in Lieu of DCs	Unindexed Gross Corrective DC Draw
			Total (\$)	Total (\$)	Total (\$)	Total (\$)
	%	\$				
Lindsay SE Development - City Logie/Parkside Project	100.0%	108,845	108,845	108,845	-	108,845
Official Plan and Zoning By-Law Review	0.0%	-	-	-	7,700	(7,700)
Lindsay SE Development - Ron Robinson Credits	100.0%	481,530	-	-	-	-
Lindsay SE Development - Other Vendor Credits	100.0%	341,096	-	-	-	-
Urban/Rural Upgrades - Urban/Rural Reconstruction	0.0%		-	-	33,160	(33,160)
Logie Street Reconstruction - Dobson Rd. to Parkside Dr. (Sewage Collection Component)	100.0%	200,000	617,686	617,686	541,965	75,721
<u>2009 DC Study</u>			-	-	-	-
Colborne St. SPS Upgrade (Lindsay)	100.0%	60,000	47,372	47,372	47,372	-
			-	-	-	-
<u>2014 DC Study</u>			-	-	-	-
Ellice St. SPS Upgrade (Fenelon Falls)	80.8%	1,535,028	2,421,476	1,956,334	875,482	1,080,852
Colborne St. SPS Upgrade (Lindsay)	71.5%	5,100,709	11,773,112	8,414,070	159,829	8,254,242
Ridout St. SPS Upgrade (Lindsay)	55.3%	110,600	76	42	42	(0)
Omemee Wastewater Upgrade	36.8%	1,222,674	3,211,517	1,181,838	2,718,750	(1,536,912)
North Street and Helen Street Upgrades (Sewage Collection Component)	28.7%	38,672	114,542	32,915	72,538	(39,623)
Mary Street Water Main Construction (Sewage Collection Component)	75.0%	9,679	45,077	33,806	8,275	25,531
Mary St. SPS Upgrade (Study and Design Component)	58.4%	-	276,800	161,533	-	161,533
			-	-	-	-
<u>2015 DC Study</u>			-	-	-	-
Adelaide St. N. Sewer	56.8%	72,477	89,354	50,753	10,971	39,783
St. David St. Sewer Inspection	50.0%	67,000	-	-	(15,000)	15,000
Sewage Collection Total		9,733,310	18,980,595	12,879,932	4,461,083	8,418,850
Total		96,210,646	177,940,552	53,443,078	38,378,319	15,064,759

Table 2
2019 Reconciliation
Summary

	Dec 31, 2018 Balance	2019 Estimated D.C. Revenue	2009-2019 Reserve Fund Adjustments	Unfunded Phase-in	Unfunded Exemptions	Estimated Deferred D.C. Revenue	Reconciliation Interest	Adjusted Balance
Health and Social	653,924	(181)	(48,465)	186,953	18,240	-	29,867	840,337
Library	372,121	65,486	(564,708)	77,338	54,203	30,555	(51,639)	(16,644)
Parks and Recreation	(173,622)	55,612	(1,089,987)	-	119,198	26,411	(214,198)	(1,276,586)
Fire	(529,682)	159,286	(609,945)	-	137,816	69,166	(90,962)	(864,321)
Paramedic	52,799	15,070	(104,149)	86,981	22,426	9,631	3,867	86,625
Police	703,361	81,967	(59,471)	-	88,800	66,077	7,676	888,410
Airport	111,434	11,107	(39,170)	113,181	14,760	3,987	16,825	232,126
Transit	52,066	11,316	(276,171)	-	11,059	10,050	(37,641)	(229,320)
Administration	(538,720)	37,516	(1,865,237)	57,744	31,802	18,161	(264,442)	(2,523,176)
Water Treatment	400,730	233,856	63,880	111,461	392,134	323,284	82,650	1,607,996
Water Distribution	1,826,203	268,588	(2,260,831)	111,461	202,205	391,836	(148,846)	390,616
Sewage Treatment	755,576	102,265	4,607,652	149,114	316,784	226,737	485,543	6,643,671
Sewage Collection	(6,662,731)	145,358	(8,418,850)	149,114	365,000	757,633	(631,751)	(14,296,226)
Roads and Related	554,824	1,453,697	(4,399,308)	1,270,325	1,188,892	691,126	(367,528)	392,028
Total	(2,421,715)	2,640,945	(15,064,759)	2,313,673	2,963,318	2,624,654	(1,180,579)	(8,124,463)

The Corporation of the City of Kawartha Lakes

By-Law 2019-XXX

A By-Law to Impose Development Charges in the City of Kawartha Lakes

Recitals:

1. The City of Kawartha Lakes will experience growth through development requiring the provision of infrastructure and other capital-related services by the City, and intends to recover from development the costs of such services to the extent permitted by law or as otherwise considered advisable by Council.
2. Subsection 2(1) of the *Development Charges Act*, S.O. 1997 Chap. 27 (hereinafter, the "Act") provides that the council of a municipality may by by-law impose development charges against land to pay for increased capital costs required because of increased needs for services arising from the development of the area to which the by-law applies.
3. A draft of the report entitled "2019 Development Charges Background Study" (hereinafter, the "study") prepared by Watson and Associates Economists Limited (hereinafter, "Watson") and a draft proposed development charges by-law (hereinafter, the "proposed by-law") prepared by the Manager of Corporate Assets, were both dated and made publicly available on October 7, 2019.
4. Council held a public meeting regarding the study and proposed by-law on November 5, 2019, and sufficient public notice of the meeting was given by the City.
5. On November 29, 2019, Watson issued an addendum to the study and the Manager of Corporate Assets revised the proposed by-law, and the resulting amended study and revised proposed by-law were made publicly available on December 4, 2019.
6. Having reviewed the amended study and revised proposed by-law, Council has adopted the amended study and has determined that no further public meetings are required on these documents.
7. Having adopted the amended study, including the growth-related capital needs referred to therein, Council has thereby indicated its intention to ensure the increase in need for services attributable to anticipated development is met, and has further indicated its intention to recover the costs of the committed and future excess capacity identified in the study through development charges or other similar charges.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-Law 2019-XXX.

1 Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“accessory use” means a use of land, a building or a structure which is naturally and normally incidental and subordinate in purpose and or floor area, and exclusively devoted to, the principal use of such land, building or structure;

“Act” means the *Development Charges Act*, S.O. 1997, Chap. 27, as amended, or any successor thereof;

“agricultural” means non-residential lands, buildings or structures or any part thereof used, designed or intended solely for farming, apiaries, fish farming, animal husbandry or the cultivation of trees, shrubs, flowers, grains, sod, fruits, vegetables and other crops or ornamental plants, or similar agrarian activity, on land of at least three (3) hectares in area, and includes barns, implement sheds, seasonal roadside stands and silos but does not include processing or year-round wholesale or retail facilities;

“agricultural development charges” means development charges pertaining to agricultural development as determined in the Development Charges Background Study but subject to the same indexation to which development charges set out in Schedules 1 and 2 to this by-law are subject pursuant to this by-law;

“apartment dwelling unit” means a stacked dwelling unit or any dwelling unit within a dwelling:

- (a) containing three (3) or more dwelling units whereby access to each dwelling unit is obtained through one or more common entrances from the outside and the dwelling units are connected by one or more interior corridors; or
- (b) attached to a non-residential building or structure whereby the dwelling unit is not a single-detached, semi-detached or row dwelling unit and would otherwise constitute a multiple dwelling unit;

“Assessment Act” means the *Assessment Act*, R.S.O. 1990, Chap. A.31, as amended, or any successor thereof;

“bedroom” means, within a dwelling unit, a habitable room of less than seven (7) square metres of floor area, including a den, study or other similar area, but does not include a bathroom, living room, dining room or kitchen;

“benefiting area” means an area defined by map, geography, plan or legal description in a front-ending agreement or as established by Council through resolution or by by-law as an area in which development receives or will receive a benefit from the emplacement of municipal capital infrastructure;

“board of education” has the same meaning as set out in the *Education Act*, R.S.O. 1990, Chap. E.2, as amended, or any successor thereof;

“Building Code Act” means the *Building Code Act*, S.O. 1992, Chap. 23, as amended, or any successor thereof;

“building permit” or **“permit”** means a permission or authorization given in writing by the Chief Building Official for the construction or demolition of a building or structure, or part thereof, as defined in subsection 1(1) of the Building Code Act;

“capital charge” means a charge, fee or similar levy or cost recovery mechanism imposed on owners by the City pursuant to sections 390-400, inclusive, of the Municipal Act;

“capital cost” means capital costs as defined in subsection 5(3) of the Act incurred or proposed to be incurred by the City, or a local board thereof, directly or by others on behalf of and as authorized by the City or local board;

“Chief Building Official” means the person appointed by Council to discharge the duties of the chief building official pursuant to the Building Code Act;

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

“City Treasurer” means the person appointed by Council to discharge the duties of the treasurer described in section 286 of the Municipal Act;

“commercial” means non-residential lands, buildings or structures or any part thereof used, designed or intended to facilitate the buying or selling of commodities or services, including those related to self-service and other storage facilities, hotels, inns, motels and boarding, lodging, rooming houses and recreational lodging and all those that are non-residential in nature but excluded from all other types of non-residential land, structures and buildings otherwise defined in this by-law;

“Condominium Act” means the *Condominium Act*, S.O. 1998, Chap.19, as amended, or any successor thereof;

“construction” means the erection, installation, extension or material alteration or repair of a building or structure and includes the installation of a building unit, such as a repurposed shipping container, that is relocated or fabricated;

“Council” or “City Council” means the municipal council for the City;

“demolition” means the deconstruction or removal of a building or structure or any material part thereof;

“development” means the construction, erection or placing of one or more buildings or structures on land or the making of an addition or alteration to a building or structure that has the effect of increasing the size or usability thereof, and includes redevelopment which in turn includes demolition and or conversion of use;

“development charge” means a charge imposed pursuant to this by-law, or a predecessor thereof as context requires;

“Development Charges Background Study” means the most recent study, or successor thereof, as approved by or otherwise prepared for Council, undertaken by or on behalf of the City that satisfies or is intended to satisfy section 10 of the Act;

“development charge reserve fund” means a fund of the City established pursuant to section 33 of the Act;

“dwelling” means a residential building or structure, or part thereof, occupied or capable of being occupied as a home, residence or domestic establishment or habitat of some kind, but does not include motels, hotels, tents, truck campers, tourist trailers, mobile camper trailers or boarding, lodging or rooming houses of any kind;

“dwelling unit” means any part, which may include the entirety of, a dwelling used, designed or intended to be used exclusively by one person or two or more cohabitating persons;

“electricity generation” means non-residential lands, buildings or structures that are not of an accessory use and that:

- (a) form, support or accommodate a system or utility used, designed or intended to convert wind, solar, biomass, coal, natural gas, waste, water flow or other form of energy into electricity and feed it into the general electricity grid, and includes such systems or utilities that participate or are intended to participate in the Independent Electricity System Operator’s Feed-In Tariff Program, or successor thereof, or similar program; and
- (b) constitute development whereby gross floor area is inapplicable, indeterminate or otherwise unrepresentative of the scale of the development, as determined by the Chief Building Official;

“existing development” means development that exists as of the time this by-law comes into force;

“existing industrial building” has the same meaning as that set out in the Act;

“general service area” means all land within the corporate boundaries of the City of Kawartha Lakes;

“gross floor area”, as determined by the Chief Building Official, means:

- (a) in the case of a residential building or structure, the total area of all building floors above grade of a dwelling unit measured between the outside surfaces of exterior walls or between the outside surfaces of exterior walls and the centre line of party walls dividing the dwelling unit from any other dwelling unit or other portion of a building; and
- (b) in the case of a non-residential building or structure, or in the case of a mixed-use building or structure in respect of the non-residential portion thereof, the total area of all building floors above or below grade measured between the outside surfaces of the exterior walls, or between the outside surfaces of exterior walls and the centre line of party walls dividing a non-residential use and a residential use;

“industrial” means non-residential lands, buildings or structures or any part thereof used, designed or intended for manufacturing, processing, fabricating, electricity generation, assembly of raw goods, warehousing or bulk storage of goods, and accessory uses thereof, but does not include buildings or structures used for selling commodities to the general public through a warehouse club;

“institutional” means non-residential lands, buildings or structures or any part thereof used, designed or intended for any non-profit organization, group or association for the promotion of charitable, educational or benevolent objectives, and includes post-secondary institutions, nursing homes and non-profit clubs;

“local board” means a school board, public utility, commission, public library board, board of park management, local board of health, board of commissioners of police, planning board, or any other board, commission, committee, body or local authority established or exercising any power or authority under any legislation with respect to any of the affairs or purposes, including school purposes, of the City of Kawartha Lakes;

“local services” means those services, facilities or things that are:

- (a) under the jurisdiction of the City and related to a plan of subdivision, or within the area to which the plan relates, to which sections 41, 51 or 53 of the Planning Act pertain; and
- (b) those services to which section 59 of the Act pertains;

“Manager of Corporate Assets” means the person who holds that position and his or her delegate(s) or, in the event of organizational changes, another person designated by Council;

“multiple dwelling unit” means any dwelling unit, other than single-detached, semi-detached, row and apartment dwelling units, within a dwelling, and includes any dwelling unit not otherwise defined herein;

“Municipal Act” means the *Municipal Act, 2001*, S.O. 2001, Chap. 25, as amended, or any successor thereof;

“municipal housing dwelling unit” means a dwelling unit that is part of or intended to be part of a municipal housing project facility as defined in City of Kawartha Lakes By-Law 2006-262 (Consolidated Municipal Housing Facilities By-Law), as amended, or any successor thereof;

“municipal service” means a municipal service provided by or on behalf of the City and designated in subsection 2.01 of this by-law;

“nameplate generating capacity”, “nameplate capacity” or “plated capacity” means, in respect of electricity generation development, the maximum rated continuous load-carrying capability to generate electricity, expressed in kilowatts (KW), as verified, if applicable, by the Electrical Safety Authority or any successor thereof or similar regulating authority;

“non-residential” means lands, buildings or structures or any part thereof used, designed or intended for a use that is not a residential use;

“Northwest Lindsay Development Area” means the benefitting area in respect of the Northwest Sanitary Sewer Works Capital Charge, as indicated in Schedule 3 to this by-law;

“Northwest Sanitary Sewer Works Capital Charge” means the capital charge imposed pursuant to City of Kawartha Lakes By-Law 2015-151 (Northwest Sanitary Sewer Capital Charge), as amended, or any successor thereof;

“owner” means the owner of land, or successor thereof, or a person who has made application for an approval for the development of land upon which development charges are or are to be imposed;

“park model trailer” means a CAN/CSA-Z241 Series-03 (R2013) recreational trailer as defined by the Standards Council of Canada, or successor thereof, that is constructed and certified in accordance with this standard and that is built on a single chassis, designed to be relocated from time to time and designed exclusively for seasonal residential use;

“Planning Act” means the *Planning Act*, R.S.O. 1990, Chap.13, as amended, or any successor thereof;

“police service area” means the area serviced by the City of Kawartha Lakes Police Service, or any successor thereof, that being:

- (a) the union of all land within the former Township of Ops and the former Town of Lindsay, and all land that has been or may be appended thereto by the City to accommodate development, or in the alternative;
- (b) all land deemed to receive service by the City of Kawartha Lakes Police Service, or any successor thereof, as otherwise established by Council subsequent to the enactment of this by-law;

“residential” means lands, buildings or structures or any part thereof used, designed or intended to provide accommodation or quarters for living, sleeping, sanitary and culinary purposes, or otherwise to serve as a domestic residence;

“row dwelling unit” means a dwelling unit in a dwelling containing three (3) or more attached dwelling units in a single row whereby each dwelling unit has an exclusive entrance from the outside and is vertically separated from any abutting dwelling unit;

“rural-Ops service area” means all land within the police service area that does not form part of either the water or wastewater service areas;

“rural-other service area” means all land within the general service area that does not form part of the urban-Lindsay, urban-NWT, urban-other or rural-Ops service areas;

“semi-detached dwelling unit” means a dwelling unit in a dwelling consisting of exactly two (2) attached dwelling units whereby each dwelling unit has an exclusive entrance from the outside and is vertically separated from the abutting dwelling unit;

“service area” means a benefitting area in respect of a municipal service or set of municipal services, and includes the police, transit, water, wastewater, wastewater-NWT, general, urban-Lindsay, urban-NWT, urban-other, rural-Ops and rural-other service areas;

“single-detached dwelling unit” means a dwelling unit in a dwelling consisting of exactly one (1) dwelling unit that is not attached to another dwelling unit;

“stacked dwelling unit” means a dwelling unit, other than a row dwelling unit, within a dwelling containing at least three (3) dwelling units whereby each dwelling unit is separated from the others vertically and or horizontally and has an exclusive entrance from the outside;

“temporary building or structure” means a former building or structure that, as determined by the Chief Building Official, was created with the express intention of being used for a continuous period not to six (6) months and existed or substantially existed for a continuous period not exceeding six (6) months;

“transit service area” means the area serviced by the City’s public transit service, that being:

- (a) all land within the former Town of Lindsay, and all land that has been or may be appended thereto by the City to accommodate development, or in the alternative;
- (b) all land deemed to receive the City’s public transit service as otherwise established by Council subsequent to the enactment of this by-law;

“urban-Lindsay service area” means the intersection of all land within the transit, police, water and wastewater service areas outside the wastewater-NWT service area;

“urban-NWT service area” means the intersection of all land within the transit, police, water and wastewater-NWT service areas;

“urban-other service area” means the intersection of all land within the water and wastewater service areas outside the urban-Lindsay and urban-NWT service areas;

“wastewater-NWT service area” means the intersection of all land within the Northwest Lindsay Development Area and the wastewater service area;

“wastewater service area” means the union of all land serviced by a City wastewater system, that being all land on which development is, as determined by the Chief Building Official, required, planned or expected to connect, or is capable of being connected in future, to a City wastewater system intended to service the development;

“water service area” means the union of all land serviced by a City water system, that being all land on which development is, as determined by the Chief Building Official, required, planned or expected to connect, or is capable of being connected in future, to a City water system intended to service the development; and

“zoning by-law” means the zoning by-law, or set of zoning by-laws, of the City enacted pursuant to section 34 of the Planning Act.

- 1.02 **Interpretation Rules:** All word variations and derivatives of the terms defined in subsection 1.01 shall carry a corresponding meaning, and the words “include”, “includes”, “inclusive” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.
- 1.03 **Statutes:** References to laws in this by-law are meant to refer to the statutes, as amended from time to time, including the regulations made pursuant thereto, that are applicable within the Province of Ontario.
- 1.04 **Severability:** If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

2 Section 2.00: Development Charges Respecting Municipal Services

- 2.01 **Designation of Municipal Services:** Development charges shall be imposed in respect of the following municipal services to pay for the increased capital-related costs required in respect of the increased needs for services arising from development:

- (a) Health and Social;
- (b) Airport;
- (c) By-Law Enforcement;
- (d) Parking;
- (e) Parks and Recreation;
- (f) Library;
- (g) Administration Studies;
- (h) Fire;
- (i) Paramedic;
- (j) Police;
- (k) Transit;
- (l) Waste Diversion;
- (m) Roads and Related;
- (n) Water Treatment;
- (o) Water Distribution;
- (p) Wastewater Treatment; and
- (q) Wastewater Collection.

2.02 **Geographic Application of Development Charges:** Respecting the municipal services designated in subsection 2.01, development charges shall be imposed in the general service area, except that:

- (a) police development charges shall be imposed in the police service area only;
- (b) transit development charges shall be imposed in the transit service area only;
- (c) water treatment and water distribution development charges shall be imposed in the water service area only;
- (d) wastewater treatment development charges shall be imposed in the wastewater service area only; and

- (e) wastewater collection development charges shall be imposed in the wastewater service area only, exclusive of the wastewater-NWT service area.

- 2.03 **Development Charges Independent of Specific Need or Benefit:** Development charges shall be determined and imposed pursuant to this by-law without regard to the specific increase in need for municipal services that may be required by, or the specific municipal service benefits that may be conferred to, any individual or particular development.

3 Section 3.00: Approvals for Development

- 3.01 **Development Charges Triggered by Development Approvals:** Development charges shall be imposed against all lands, buildings or structures within the area to which this by-law applies if the development of such lands, buildings or structures requires any of the following approvals or actions:
 - (a) the passing of a zoning by-law or an amendment thereto under section 34 of the Planning Act;
 - (b) the approval of a minor variance under section 45 of the Planning Act;
 - (c) a conveyance of land to which a by-law passed under subsection 50(7) of the Planning Act applies;
 - (d) the approval of a plan of subdivision under section 51 of the Planning Act;
 - (e) a consent under section 53 of the Planning Act;
 - (f) the approval of a description under section 9 of the Condominium Act; or
 - (g) the issuing of a permit under the Building Code Act in relation to a building or structure.
- 3.02 **Multiple Development Approvals:** No more than one development charge for each municipal service designated in subsection 2.01 shall be imposed upon any lands, buildings or structures to which this by-law applies, in respect of a development, even though two or more of the approvals and actions described in subsection 3.01 may be required before the lands, buildings or structure can be developed.
- 3.03 **Subsequent Development Approvals:** Notwithstanding subsection 3.02, if two or more of the approvals and actions described in subsection 3.01 occur at different times for a development, additional development charges shall be imposed in respect of any increased or additional development arising directly from such approvals or actions.
- 3.04 **After Building Permit Issuance:** Where a development requires an approval or action described in subsection 3.01 after the issuance of a

building permit in respect thereof, if the related development charges remain unpaid in whole or in part, the unpaid portion of development charges shall then be paid prior to the granting of the approval or the execution of the action that is required.

- 3.05 **Building Permit Not Required:** If a development does not require a building permit but does require one or more of the approvals or actions described in subsection 3.01, the related development charges shall then nonetheless be payable in respect of any increased or additional development arising directly from such approval or action.
- 3.06 **Withholding of Building Permit Issuance:** As permitted by section 28 of the Act, the Chief Building Official shall withhold issuance of a building permit for a development for which any development charges remain unpaid, provided the development is not subject to an agreement pursuant to subsection 4.06 or 4.07 providing for the development charges to be paid at a time other than building permit issuance.
- 3.07 **Local Services and Other Conditions of Development:** Nothing in this by-law prevents the City from requiring as a condition of development, whether or not through a development agreement, that the owner, at his or her own expense, install local services, as the City may require, or that the owner pay for local infrastructure connections or upgrades, administrative, processing, permit, inspection or other fees or capital, community benefits or other charges as may be required by the City.

4 Section 4.00: Calculation and Payment of Development Charges

- 4.01 **General Basis of Calculation:** Development charges with respect to the use of any land, buildings or structures shall be calculated:
- (a) in the case of residential development, or the residential portion of a mixed-use development, based upon the number and type of dwelling units; and
 - (b) in the case of non-residential development, or the non-residential portion of a mixed-use development, based upon the type of non-residential development and gross floor area or nameplate generating capacity of such development, whichever unit of measure is applicable.
- 4.02 **Residential Calculation:** The residential development charges per dwelling unit set out in Schedule 1 to this by-law shall be imposed on residential uses of lands, buildings or structures, including a dwelling unit accessory to a non-residential use, and, in the case of a mixed use building or structure, on the residential component thereof, and calculated with respect to each of the applicable municipal services according to the type of dwelling unit.
- 4.03 **Non-Residential Calculation:** The non-residential development charges per unit of gross floor area set out in Schedule 2 to this by-law shall be imposed on non-residential uses of lands, buildings or structures, and, in

the case of a mixed use building or structure, on the non-residential component thereof, and calculated with respect to each of the applicable municipal services according to the type of non-residential use.

- 4.04 **Modification for Electricity Generation Calculation:** Notwithstanding subsection 4.03, the non-residential development charges per 500 kilowatts of nameplate generating capacity set out in Schedule 2 to this by-law shall be imposed on electricity generation uses of lands, buildings or structures, and, in the case of a mixed use building or structure, on the electricity generation component thereof, and calculated with respect to each of the applicable municipal services according to each increment of 500 kilowatts of nameplate generating capacity.
- 4.05 **Timing of Calculation and Payment of Development Charges:** Development charges pertaining to a development shall be calculated as of, and shall be payable on, the date the building permit is issued for the development or, if no such permit is or is to be issued, the date the first approval or action described in subsection 3.01 is granted or executed for the development.
- 4.06 **Override with Section 26 the Act:** Notwithstanding subsection 4.05, for a development that requires approval of a plan of subdivision under section 51 of the Planning Act or a consent under section 53 of the Planning Act, and for which a subdivision agreement or consent agreement is or is to be entered into, the City may, in accordance with Council policy, require that the roads and related, water treatment, water distribution, wastewater treatment and or wastewater collection development charges be calculated and made payable immediately upon execution of such an agreement.
- 4.07 **Override with Section 27 of the Act:** Notwithstanding subsection 4.05, the dates on which development charges pertaining to a development are to be calculated and made payable may, in accordance with Council policy, be determined by an agreement between the City and the owner required to pay the development charges.

5 Section 5.00 Development Charges Exemptions, Refunds and Credits

- 5.01 **Legislated General Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed on land owned by and used for the purposes of a municipality, a local board of a municipality or a board of education.
- 5.02 **Legislated Residential Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed with respect to approvals or actions outlined in subsection 3.01 related to residential development to which subsection 2(3) of the Act applies.
- 5.03 **Legislated Industrial Exemption:** Notwithstanding any other provision of this by-law, if a development includes the enlargement of the gross floor area of an existing industrial building, the development charges payable in

respect of the enlargement shall be determined in accordance with section 4 of the Act if subsection 5.04 does not apply to the enlargement.

- 5.04 **Discretionary Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed respecting the development of:
- (a) a place of worship, non-profit hospice, public hospital, cemetery, burial site or crematorium as defined in the Assessment Act;
 - (b) an industrial building or structure that is not electricity generation development;
 - (c) the first 2,500 square metres of gross floor area of any single commercial building or structure;
 - (d) an agricultural building or structure;
 - (e) a park model trailer; or
 - (f) a municipal housing dwelling unit.
- 5.05 **Refund for Temporary Buildings or Structures:** Notwithstanding any other provision of this by-law, a temporary building or structure shall, on a retroactive basis, not be considered development, and, therefore, an owner who paid development charges for a temporary building or structure shall be entitled to a refund of the development charges, without interest, if the owner demonstrates to the satisfaction of the Chief Building Official that the building or structure was indeed temporary.
- 5.06 **Redevelopment Credit:** Subject to subsections 5.07 and 5.08, but notwithstanding any other provision of this by-law, in respect of the redevelopment of land, where a building or structure on the same land was demolished or is to be demolished or converted from one principal use to another principal use, in whole or in part, in order to facilitate the redevelopment, the development charges otherwise pertaining to such a redevelopment shall, as determined by the Chief Building Official based on information he or she considers verifiable, be reduced by:
- (a) in the case of a residential building or structure, or in the case of a mixed-use building or structure, the residential uses thereof, an amount calculated by multiplying the applicable development charge rate by the number, according to type, of dwelling units that have been or will be demolished or converted to another principal use; and
 - (b) in the case of a non-residential building or structure or, in the case of mixed-use building or structure, the non-residential uses thereof, an amount calculated by multiplying the applicable development charge rate by the gross floor area or nameplate generating capacity, whichever unit of measure is applicable, that has been or will be demolished or converted to another principal use.

- 5.07 **Restrictions on Redevelopment Credit:** In respect of development charges pertaining to a redevelopment, a reduction in the development charges determined pursuant to subsection 5.06 shall:
- (a) be determined in accordance with development charge rates that would otherwise apply if the exemptions provided for by subsections 5.01 through 5.04 did not apply;
 - (b) notwithstanding paragraph (a) of this subsection, not exceed the amount of development charges otherwise payable pursuant to this by-law; and
 - (c) apply only if the building or structure in question was, as determined by the Chief Building Official based on information he or she considers verifiable, capable of being occupied within the three (3) year period prior to the development charges becoming payable pursuant to this by-law.
- 5.08 **Override of 3-Year Restriction on Redevelopment Credit:** Notwithstanding paragraph (c) of subsection 5.07, the period during which a redevelopment credit may be obtained by an owner pursuant to subsection 5.06 may be established by the City in accordance with Council policy, but in no case shall such a period exceed ten (10) years.
- 5.09 **Credit Related to Expiration or Revocation of Building Permit:** Where a building permit has been issued for a development on land for which development charges have been paid, in the case that the building permit expires or is revoked, the development charges shall not be refunded but instead shall be credited against any subsequent development charges that may become payable as a result of any subsequent approvals or actions described in subsection 3.01 being granted or executed in respect of the same land.
- 5.10 **Onus on Owner:** The onus is on the owner liable for development charges to produce evidence to the satisfaction of the Chief Building Official that the owner is indeed entitled to an exemption, refund or credit pursuant to this section.

6 Section 6.00: Administrative Matters

- 6.01 **Override by Prior Agreement:** The provisions of an agreement between the City and an owner setting out, based upon development charge rates in effect prior to the coming into force of this by-law, the development charges and or services in lieu of development charges to be paid for or provided by the owner shall override this by-law if the agreement was executed before the coming into force of this by-law.
- 6.02 **By-Law Administration:** The Chief Building Official and Manager of Corporate Assets are jointly responsible for the administration of this by-law, where the former position is responsible for day-to-day administration and the latter position is responsible for general administration and oversight.

- 6.03 **Interest:** The City shall pay interest on a refund issued pursuant to subsection 18(3) or 25(2) of the Act in accordance with the minimum interest rate as prescribed by the Act subject to that rate being updated by the City Treasurer on the first business day of every January, April, July and October during the term of this by-law.
- 6.04 **Restructuring of Reserve Fund:** Upon enactment of this by-law, pursuant to section 33 of the Act the City Treasurer shall restructure the development charge reserve fund as necessary into separate accounts respecting the municipal services designated in subsection 2.01.
- 6.05 **Replenishment of Reserve Fund:** To ensure transparent and timely compliance with paragraph 3 of subsection 5(6) of the Act, the City Treasurer shall ensure the development charge reserve fund is replenished annually from other City funds to correct shortfalls in the development charge reserve fund resulting from development charges exemptions or any similar cause that may arise.
- 6.06 **No Phasing in of Development Charges:** The development charges set out in Schedule 1 and Schedule 2 shall not be phased in, and, subject to indexation in accordance with subsection 6.07, shall take effect upon the coming into force of this by-law.
- 6.07 **Indexation of Development Charges:** Without amendment to this by-law:
- (a) on April 1, 2020, the Manager of Corporate Assets shall index the development charges set out in Schedule 1 and Schedule 2 in accordance with the Statistics Canada Quarterly Construction Price Statistics Index, or any successor thereof, whereupon the indexed development charges shall take effect at 12:01am on April 1, 2020; and
 - (b) starting on January 1, 2021, the Manager of Corporate Assets shall annually index the development charges set out in Schedule 1 and Schedule 2 in accordance with the Statistics Canada Quarterly Construction Price Statistics Index, or any successor thereof, whereupon the indexed development charges shall take effect at 12:01am on January 1 of the year during which they are to be in effect.
- 6.08 **Collection as Property Taxes:** In accordance with subsection 32(1) of the Act, development charges or any portion thereof that remain unpaid after they become payable by the subject owner shall be added to the tax roll and shall be collected from the owner in the same manner as property taxes.
- 6.09 **Registration on Title:** As permitted by section 42 of the Act, the City may register a certified copy of this by-law with the Land Registry Office, or any successor thereof, against title to any land to which this by-law applies.

7 Section 7.00 Other Matters

- 7.01 **Schedules:** The following schedules to this by-law form part of this by-law:
- (a) Schedule 1: Residential Development Charges;
 - (b) Schedule 2: Non-Residential Development Charges; and
 - (c) Schedule 3: Northwest Lindsay Development Area.
- 7.02 **Abbreviations in Schedules:** The following equivalences apply to abbreviations and symbols appearing in the schedules to this by-law:
- (a) “\$” stands for dollars;
 - (b) “/” stands for per;
 - (c) “m²” stands for square metre or square metres, as context requires;
 - (d) “GFA” stands for gross floor area, measured in square metres;
 - (e) “NGC” stands for nameplate generating capacity, measured in kilowatts; and
 - (f) “KW” stands for kilowatt or kilowatts, as context requires.
- 7.03 **Subsequent By-Laws:** This by-law does not preclude the enactment of subsequent by-laws imposing development charges within the City.
- 7.04 **Headings for Reference Only:** Headings herein are used for reference only and shall not affect the construction or interpretation of this by-law.
- 7.05 **Effective Date and Expiry:** This by-law shall come into force at 12:01am April 1, 2020, and shall expire at 12:01am April 1, 2025 unless it is repealed prior thereto.
- 7.06 **Repeal:** By-Law 2015-224 (A By-Law to Impose Development Charges in the City of Kawartha Lakes) is repealed upon the coming into force of this by-law.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

Schedule 1: Residential Development Charges

The residential development charges shall be the development charges in the following table, subject to indexation:

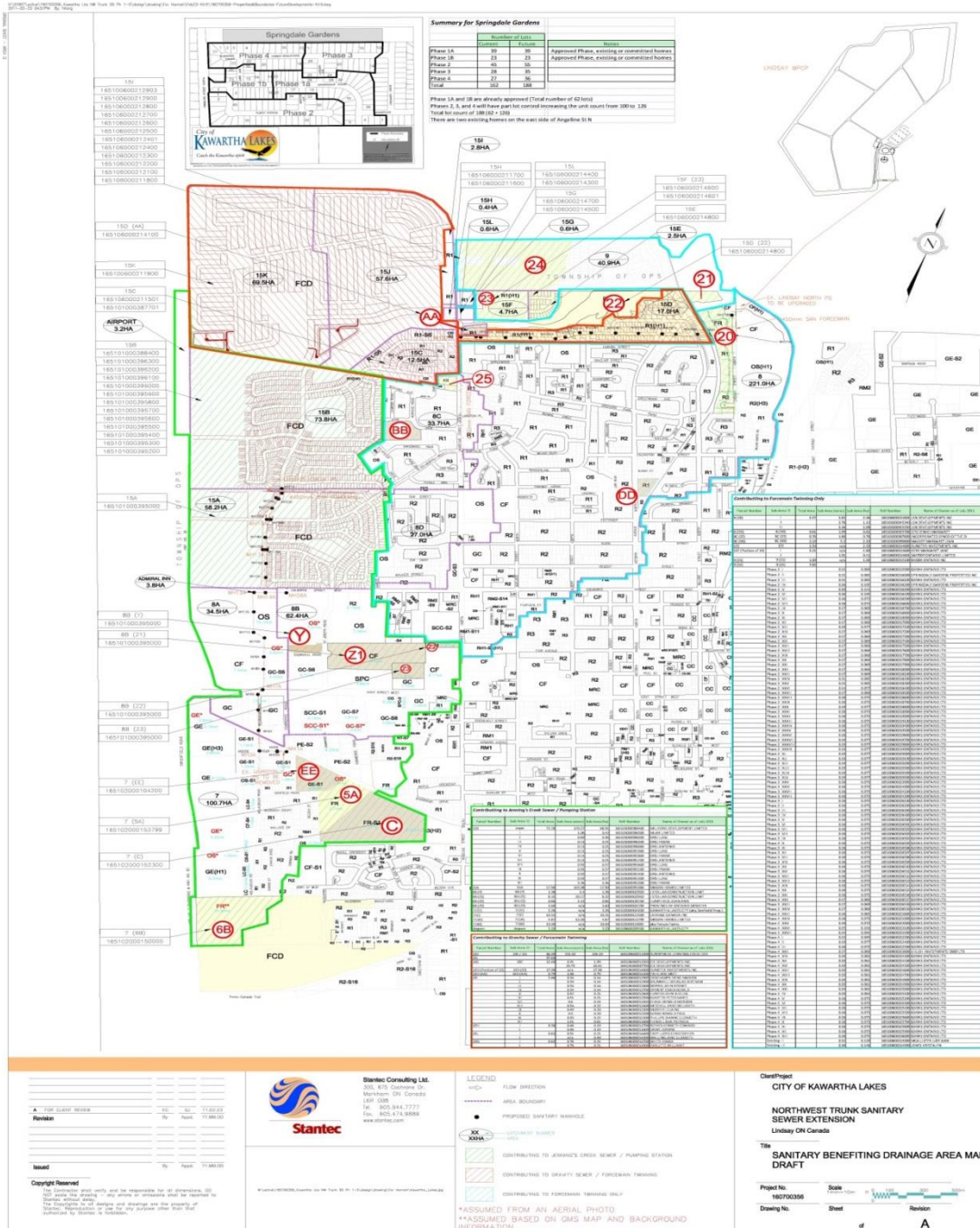
Municipal Service	(\$/Dwelling Unit)			
	Single or Semi-Detached	Row or Multiple	Apartment	
			Two or More Bedrooms	Other
Health and Social	206	183	123	93
Airport	22	20	13	10
By-Law Enforcement	14	13	9	6
Parking	111	98	66	50
Parks and Recreation	664	590	398	300
Library	340	303	204	154
Administration Studies	362	322	217	164
Fire	322	287	193	146
Paramedic	190	169	114	86
Police	393	350	236	178
Transit	240	213	144	108
Waste Diversion	33	29	20	15
Roads and Related	6,049	5,381	3,628	2,734
Water Treatment	3,181	2,829	1,908	1,438
Water Distribution	3,302	2,938	1,981	1,493
Wastewater Treatment	4,057	3,609	2,433	1,834
Wastewater Collection	5,899	5,247	3,538	2,666
Total	25,385	22,581	15,225	11,475
Municipal Service Area	(\$/Dwelling Unit)			
	Single or Semi-Detached	Row or Multiple	Apartment	
			Two or More Bedrooms	Other
Urban-Lindsay	25,385	22,581	15,225	11,475
Urban-NWT	19,486	17,334	11,687	8,809
Urban-Other	24,752	22,018	14,845	11,189
Rural-Ops	8,706	7,745	5,221	3,936
Rural-Other	8,313	7,395	4,985	3,758

Schedule 2: Non-Residential Development Charges

The non-residential development charges shall be the development charges in the following table, subject to indexation:

Municipal Service	Electricity Generation (\$/500 KW of NGC)	Other Non- Residential (\$/m² of GFA)
Health and Social		
Airport		0.18
By-Law Enforcement		0.12
Parking		0.90
Parks and Recreation		1.91
Library		0.98
Administration Studies	362	2.95
Fire	322	2.63
Paramedic	190	1.55
Police	393	2.69
Transit		1.71
Waste Diversion		0.27
Roads and Related	6,049	49.39
Water Treatment		22.39
Water Distribution		23.24
Wastewater Treatment		28.24
Wastewater Collection		51.97
Total	7,316	191.11
Municipal Service Area	Electricity Generation (\$/500 KW of NGC)	Other Non- Residential (\$/m² of GFA)
Urban-Lindsay	7,316	191.11
Urban-NWT	7,316	139.14
Urban-Other	6,923	186.71
Rural-Ops	7,316	63.56
Rural-Other	6,923	60.87

Schedule 3: Northwest Lindsay Development Area





Council Policy

Council Policy No.:	CP2019-XXX
Council Policy Name:	Development Charges Assistance Policy
Date Approved by Council:	December 10, 2019
Date revision approved by Council:	
Related SOP, Management Directive, Council Policy, Form	

Policy Statement and Rationale:

Development charges (DCs) represent a significant financial consideration for the development industry and the City of Kawartha Lakes. The purpose of this policy is to strike a balance between the DC-related interests of the development industry and the City, and to promote the economic competitiveness and prosperity of the City as they relate to development.

Policy Scope:

In accordance with the Development Charges Act, the City's DC by-law authorizes the City to do the following through Council policy:

1. Override the default timing of the calculation and payment of DCs; and
2. Override the default period during which a redevelopment credit may be obtained.

This policy establishes a guiding framework for the City's exercising of the foregoing powers.

Policy Principles:

This policy is intended to promote economic competitiveness and prosperity subject to providing adequate protection of the interests of the City and its ratepayers.

Policy:

1. **Definitions:** In this policy, any term defined in the City's DC by-law carries the same meaning as set out in that by-law, and furthermore

Council Policy

“agreement” means a subdivision agreement, consent agreement or site plan agreement entered into by the City to approve or facilitate development, a special agreement arising from the implementation of this policy or another agreement entered into by the City to which development may be subject;

“condominium” means a dwelling that is subject to the Condominium Act;

“DC” means development charge or development charges, as context requires;

“DC by-law” means the successor to By-Law 2019-224 (A By-Law to Impose Development Charges in the City of Kawartha Lakes), or any successor thereof;

“high-density dwelling” means a dwelling comprised of 6 or more dwelling units and is, as determined by the Chief Building Official, subject to the apartment component of the residential schedule of DC rates set out in the DC by-law;

“litigation” means any legal action through any court with jurisdiction in the Province of Ontario; and

“occupancy” means, as determined by the Chief Building Official, the occupancy of development in accordance with the Building Code Act.

2. **Deferral of Development Charges:** As permitted by subsection 4.07 of the DC by-law, this section establishes the guidelines for the granting of DC deferrals for targeted types of development.

(a) Deferral Eligibility: An owner is eligible to apply for a DC deferral only if he or she:

- i. has, in the City Treasurer’s determination, a clean history with the City with respect to financial and development-related obligations to the City; and
- ii. is, in the City Solicitor’s determination, not engaged, and does not expressly intend to engage, in litigation against the City or any of its local boards.

(b) Deferral Application: An application by an eligible owner for a DC Deferral consists of a letter by the owner to the Manager of Corporate Assets identifying the subject land, describing the owner’s proposed development and outlining the owner’s rationale for the requested DC deferral according to its type and, if applicable, length.

Council Policy

- (c) Deferral Options: An eligible owner may apply for one of the following deferral options, as defined in Appendix A attached hereto and as may be applicable to the owner's proposed development:
- i. Deferral to Condominium Registration and Occupancy;
 - ii. Deferral by Phase-In;
 - iii. Deferral to Occupancy; or
 - iv. Deferral for Specified Period.
- (d) Deferral Approval: Upon receipt of a complete and valid application for a DC deferral by an eligible owner, the application shall be approved by the Manager of Corporate Assets, and notice of such given by he or she to the owner in writing, if the City Treasurer determines the City's financial capacity and risk tolerance are sufficient to sustain the DC deferral in a fiscally responsible manner.
- (e) Agreement: Once approved, a DC deferral shall be provided for through an agreement, which shall, wherever possible, be a subdivision, site plan or consent agreement, as may be applicable, pursuant to the Planning Act. An agreement shall be registered on title of the owner's lands to which the deferred DCs relate, and shall, among other things, provide for:
- i. the timing of the calculation and payment of deferred DCs, subject to such being determined in accordance with the applicable DC rates in effect at the time payment is made;
 - ii. securities for the owner's obligations under the agreement;
 - iii. powers available to the City to regulate and enforce DC payments;
 - iv. remedies available to the City in the event of the owner's default of his or her obligations under the agreement; and
 - v. allocation to or recovery from the owner of the administrative and interest costs incurred, and as reasonably estimated by, the City in granting and facilitating the DC deferral.
- (f) Securities: Securities issued to the City by the owner for any original purpose under an agreement shall, once no longer required for the original purpose, and at the City's discretion, become securities for deferred DCs

facilitated by the agreement, and shall remain in effect until such time the deferred DCs are paid.

3. **Extension of Redevelopment Credit Obtainability Period:** As permitted by subsection 5.08 of the DC by-law, this section establishes the guidelines for the granting of an extension to the redevelopment credit obtainability period in certain cases. Such an extension is to relate to redevelopment of land on which a building or structure has been or is expected to be demolished or otherwise is or is expected to become unoccupiable, but in no case shall it exceed 7 years.

- (a) Definition of Extension: For the purposes of this section, “extension” means a period, in addition to the default 3-year period provided for in paragraph (c) of subsection 5.07 of the DC by-law, during which a redevelopment credit may be obtained in connection with a building or structure that was demolished or will be demolished or converted from one principal use to another principal use through redevelopment.
- (b) Extension Eligibility: An owner is eligible to apply for an extension if the subject building or structure was, as determined by the Chief Building Official, capable of being occupied within the 3-year period prior to the owner submitting an application in relation to the building or structure pursuant to paragraph 3(c) of this policy.
- (c) Extension Application: An application by an eligible owner for an extension consists of a letter by the owner to the Manager of Corporate Assets identifying the subject land, buildings and structures, describing the owner’s proposed redevelopment and outlining the owner’s rationale for the requested extension according to its type and length.
- (d) Extension Options: An owner may apply for one of the following types of extension as defined in Appendix B attached hereto and as may be applicable to the owner’s proposed redevelopment:
 - i. Extension Based on Timely Redevelopment; or
 - ii. Extension Based on Timely Demolition.
- (e) Extension Approval: Upon the City’s processing of a complete and valid application for an extension, which may involve a report to and or decision by Council, the Manager of Corporate Assets shall notify the subject owner, in writing, of the City’s decision on the application.
- (f) Onus on Owner: The onus is on the owner whom has been granted an extension to, at the time the subject redevelopment credit is to be realized,

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produce evidence to the satisfaction of the Chief Building Official that the owner has indeed been granted the extension.

4. **Administration, Review and Revision:** This policy is to be administered by the Manager of Corporate Assets, and is to be reviewed by him or her in preparation for an amendment to or enactment of a DC by-law. This policy may be revised, replaced or rescinded only by resolution of Council.
5. **Interpretation and Construction:** Headings herein are used for reference only and are not to affect the interpretation or construction of this policy. This policy is not to be interpreted or construed so as to limit any of the rights, remedies or powers of, or available to, the City.
6. **Force and Effect:** This policy shall come into force and effect at 12:01am on April 1, 2020.
7. **Succession:** Council Policy CP2016-020 (Development Charge Deferral Policy) is replaced and succeeded by this policy.

Revision History:

This policy succeeds Council Policy CP2016-020 (Development Charge Deferral Policy). The table below notes policy history and time of anticipated revision:

Version	Date	Description of Changes	Requested By
1.0	September 20, 2016	Initial Release	Council
2.0	December 10, 2019	Major Expansion and Replacement	Development Charges Task Force
2.1	DC By-Law Amendment in Late 2020	Update Based on Effects of Bill 108 Regulations	Council

Appendix A: Development Charges Deferral Options

The options for DC deferrals referred to in paragraph 2(c) of this policy are defined as follows:

- (a) Deferral to Condominium Registration and Occupancy: This deferral option is available to condominium dwellings only. Under this option, DC payments in respect of dwelling units approved under an agreement are due as follows:

- i. in respect of dwelling units that are occupied by the time the condominium dwelling is registered under the Condominium Act, DCs are due upon registration of the condominium dwelling;
 - ii. in respect of each of the balance of dwelling units, DCs are due upon their occupancy; and
 - iii. notwithstanding the foregoing, DCs for all dwelling units must be paid on or before the third anniversary of the agreement.
- (b) Deferral by Phase-In: This deferral option is available to high-density dwellings only, other than condominium dwellings. Under this option, DC payments in respect of the first and second halves of the dwelling units approved under an agreement, as approximated by the agreement if the number of dwelling units is odd, are, respectively, due at 1.5 and 3 years from the time the agreement is executed.
- (c) Deferral to Occupancy: This deferral option is available to residential development only, other than high-density dwellings. Under this option, DC payments in respect of each dwelling unit approved under an agreement are due upon occupancy of the dwelling unit, subject to a maximum 3-year period of deferral from the time the agreement is executed.
- (d) Deferral for Specified Period: This deferral option is available to non-residential development only. Under this option, DC payments in respect of development approved under an agreement are due in accordance with the agreement, subject to a maximum 3-year period of deferral from the time the agreement is executed.

Appendix B: Redevelopment Credit Obtainability Period Extension Options

The options for the extension of the redevelopment credit obtainability period referred to in paragraph 3(d) of this policy are defined as follows:

- (a) Extension Based on Timely Redevelopment: Under this option, the Manager of Corporate Assets, in consultation with the Chief Building Official and the Manager of Planning, may grant an extension of up to 3 years for a specific site for which the owner has, to the satisfaction of the Manager of Planning, demonstrated a credible commitment to redeveloping prior to expiry of the extension sought by the owner.
- (b) Extension Based on Timely Demolition: Under this option, Council may grant an extension of up to 7 years for a specific site encumbered with a derelict building or structure, of which timely demolition is, in Council's determination, in the public



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interest, such that the extension is granted to secure the owner's firm commitment, through an agreement, to:

- i. obtain, for the purpose of demolition of the derelict building or structure, a building permit within 60 days of the agreement being executed; and
- ii. ensure the derelict building or structure is demolished to the City's satisfaction within 6 months of the agreement being executed.

The Corporation of the City of Kawartha Lakes

Council Report

Report Number CS2019-016

Meeting Date: December 10, 2019
Title: Bobcaygeon Legacy C.H.E.S.T. Fund 2020 Allocation
Ward Number: Bobcaygeon
Author and Title: LeAnn Donnelly, Executive Assistant, Community Services

Recommendation(s):

That Report CS2019-016, Bobcaygeon Legacy C.H.E.S.T. Fund 2020 Allocation, be received;

That \$31,212.00 representing the decreased amount of interest available and \$21,535.00 representing the interest available in previous years from September 1, 2019 – December 31, 2019 be withdrawn from the principal fund to be available for disbursement in 2020 or as required in future years;

That total funding in the amount of \$52,557.00 be provided, with the allocation to come from the Bobcaygeon Legacy C.H.E.S.T. Fund Reserve (3.24320), for the projects as approved by the Bobcaygeon Legacy C.H.E.S.T. Fund Grant Committee at its meeting of October 29, 2019 as follows:

Bobcaygeon Skating Club	\$ 2,068.00
Ontario Open Fiddle and Step	\$ 2,531.00
Bobcaygeon Music Council	\$ 9,000.00
Bobcaygeon Canada Day Committee	\$13,900.00
Bobcaygeon Chamber of Commerce	\$ 4,500.00
Globus Theater	\$ 8,958.00
Impact 32 – Beautify Our Bobcaygeon	\$11,600.00

That \$4,785.63 (10% of interest earned from January 1 to August 31, 2019) be retained in the principle of the Bobcaygeon Legacy C.H.E.S.T. Fund Reserve (3.24320) for inflationary growth of the fund;

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

That the balance of \$12,773.82 of interest not distributed through the 2020 allocation be made available for funding disbursement in a future year.

Background:

The Bobcaygeon Legacy C.H.E.S.T. Fund Grant Committee met to review and recommend applications for the disbursement of 2020 funding.

All applications were received at the Bobcaygeon Service Centre prior to the posted deadline. Applications were reviewed for completeness based on the application checklist.

Each Committee Member was provided a copy of each application along with the application checklist for use in preparation for the application review meeting held on October 29, 2019.

The recommendations drawn from the minutes of the meeting form the basis for the findings of this report.

Rationale:

Earlier in the year it was brought to the Committee's attention that there was an error made in interest calculations spanning over several years. The correction of this error meant a decrease in the amount of interest available for disbursement by the Committee. Each year the Committee is committed to keeping a reserve of available funding to carry over to ensure an adequate amount is available for distribution in future years. As a result of this calculation error the Committee is requesting that \$31,212.00 representing the decreased amount of interest available in 2019 be withdrawn from the principal fund to be used for disbursement in current and/or future years. In addition in a request made by finance and agreed upon by the Committee effective immediately only actual interest figures will be used for disbursement to recipients. The Committee selects its recipients for an upcoming year in the fall of the previous year. Therefore the interest available for disbursement will now be from September of the previous year to August 31 of the current year. The implementation of this change affects the 2020 awards as only eight months of interest will be available to disburse (January 1 to August 31). Therefore in an effort to maintain their reserve of available funds the Committee is recommending that an additional \$21,535.00 representing the difference of four months interest be withdrawn from the principal fund to be used for disbursement in current and/or future years. At the most recent Bobcaygeon CHEST Fund Committee meeting a motion specific to this recommendation was made by Kathleen Seymour-Fagan, seconded by Dan Jackson, Vice Chair as follows:

***"BLCF2019-12
Moved By Councillor Seymour-Fagan***

Seconded By D. Jackson

That \$31,212.00 representing the amount lost due to an interest calculation error and \$21,535.00 representing the loss of interest from September 1, 2019 – December 31, 2019 due to Treasury request to disburse actual interest available to date be withdrawn from the principal fund to be available for disbursement in 2020 or as required in future years.

Carried”

Total interest earned from January 1 to August 31, 2019 is \$47,856.35. The Committee remains committed to the retention of earnings for inflationary growth fund therefore (10%) \$4,785.63 of interest earned from January 1 to August 31, 2019 will be allocated directly to the principal of the fund. There is a balance of \$22,260.10 of unallocated funds from previous years resulting in a total of \$65,330.82 being available for distribution (interest minus retainage plus balance).

There were 16 applications submitted, with a total request of \$203,252.81. All applications have been reviewed by the committee, and as a result four (4) applications are recommended to receive full funding, three (3) applications are to receive partial funding, and nine (9) applications are to receive no funding due to not meeting application criteria and a reduced amount of funding available for a total allocation of \$52,557.00

The table below outlines the funds requested by organizations and the funding recommended by the Bobcaygeon Legacy C.H.E.S.T. Fund Grant Committee:

Community Group	Project	Amount Requested	Amount Recommended
Bobcaygeon Skating Club	Skater's Ice Show (Show Expenses)	\$2,889.79	\$2,068.00
Ontario Open Fiddle and Step	Fiddle and Step Event (Arena Rental)	\$2,715.00	\$2,531.00
Boyd Heritage Museum	Antiques and Collectibles Show	\$1,300.00	\$0.00
Bobcaygeon Music Council	Summer Music Camp Instructors	\$9,000.00	\$9,000.00

Bobcaygeon Canada Day Committee (Sponsor Royal Canadian Legion 239)	Canada Day Expenses (including fireworks, bands, parade floats) Metal Flags	\$16,500.00	\$13,900.00
Bobcaygeon Chamber of Commerce	40 th Anniversary Celebration of Canada/US Walleye Tournament	\$4,500.00	\$4,500.00
Alzheimer Society	Minds in Motion program costs	\$9,810.00	\$0.00
Globus Theatre	School of Dramatic Art Youth Program	\$8,958.00	\$8,958.00
Impact 32 – Beautify Our Bobcaygeon (Sponsor Kawartha Works Community Co-operative Inc.)	Hanging Baskets, Water Maintenance, Communities in Bloom, Butt Out Cigarette Receptacles, website and social media marketing	\$11,600.00	\$11,600.00
Bobcaygeon Horticultural Society	Water maintenance	\$3,000.00	\$0.00
Bobcaygeon & District Lions Club	Furnace and A/C upgrades LED lighting upgrade	\$20,000.00	\$0.00
Bobcaygeon Agricultural Society	Shared cost of parking lot repaving	\$49,547.68	\$0.00
Bobcaygeon Lawn Bowling Club	Overhead door replacement, kitchen stove, coffee maker, cutlery	\$4,629.39	\$0.00
Environmental Action Bobcaygeon Inc	Edgewood drywall restoration	\$20,000.00	\$0.00
Bobcaygeon Senior Citizen Centre	Entrance door accessibility	\$13,802.95	\$0.00

Royal Canadian Legion Branch 239	Repave parking lot	\$25,000.00	\$0.00
Total Requests	16	\$203,252.81	\$52,557.00

Other Alternatives Considered:

Council could choose to determine different funding allocations, however, this is not recommended in light of Council's decision to have an Advisory Committee make such recommendations.

Financial/Operation Impacts:

Total amount representing calculation error	\$ 31,212.00
Total amount representing four months of interest	<u>\$ 21,535.00</u>
Total amount withdrawn from principle fund	\$ 52,747.00
 Total interest earned up to August 31, 2019	 \$ 47,856.35
Retained earnings for inflation protection (10%)	\$ (4,785.63)
Unallocated funds from prior years	<u>\$ 22,260.10</u>
Total available for 2020 distribution	\$ 65,330.82

Relationship of Recommendation(s) To The 2016-2019 Strategic Plan:

The recommendations within this report directly align with all Strategic Goals, namely:

- Goal 1 – A vibrant and Growing Economy
- Goal 2 – An Exceptional Quality of Life
- Goal 3 – A Healthy Environment

Review of Accessibility Implications of Any Development or Policy:

N/A

Servicing Implications:

N/A

Consultations:

Bobcaygeon Legacy C.H.E.S.T. Fund Grant Committee

City of Kawartha Lakes Treasury Department

Attachments:

N/A

Department Head E-Mail: cshanks@kawarthalakes.ca

Department Head: Craig Shanks

The Corporation of the City of Kawartha Lakes

Council Report

Report Number CS2019-017

Meeting Date: December 10, 2019
Title: Lindsay Legacy C.H.E.S.T. Fund 2020 Allocation
Ward Number: Lindsay
Author and Title: LeAnn Donnelly, Executive Assistant, Community Services

Recommendation(s):

That Report CS2019-017, **Lindsay Legacy C.H.E.S.T. Fund 2020 Allocation**, be received;

That total funding in the amount of \$266,583.90 be provided for the projects as approved by the Lindsay Legacy C.H.E.S.T. Fund Grant Committee at its meeting of November 13, 2019, with the allocation to come from the Lindsay Legacy C.H.E.S.T. Fund Reserve (3.24310), as follows:

John Howards Society	\$10,000.00
Kawartha Lakes Food Source	\$9,560.00
United Way	\$10,000.00
Lindsay Agricultural Society	\$100,000.00
Kawartha Cycling Club	\$17,791.88
Kawartha Art Gallery	\$10,819.75
Boys and Girls Clubs of Kawartha Lakes	\$48,561.49
Victoria County Historical Society	\$59,850.78

That the remaining amount of \$60,320.29 of interest earned in 2019 be retained in the principle of the Lindsay Legacy C.H.E.S.T. Fund Reserve (3.24310) for inflationary growth of the fund.

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

Background:

The Lindsay Legacy C.H.E.S.T. Fund Grant Committee met to review and recommend applications for the disbursement of 2020 funding.

Fifteen applications were received by the Community Services Administration office prior to the posted deadline. One late application was received that the Committee voted in favour not to consider as it is not within the Committee's policy to accept late applications. Accepted applications were reviewed for completeness based on the application checklist.

Each Committee Member was provided a copy of each application along with the application checklist for the use in preparation for the application review meeting held on November 13, 2019.

The recommendations drawn from the minutes of the meeting form the basis for the findings of this report.

Rationale:

In a request made by finance and agreed upon by the Committee effective immediately only actual interest figures will be used for disbursement to recipients. The Committee selects its recipients for an upcoming year in the fall of the previous year. Therefore the interest available for disbursement will now be from September of the previous year to August 31 of the current year. The implementation of this change affects the 2020 awards as only eight months of interest will be available to disburse (January 1 to August 31, 2019).

Total interest earned from January 1 to August 31, 2019 is \$326,904.19. There were 15 applications submitted, with a total request of \$758,605.85. All applications have been reviewed by the committee, and as a result four (4) applications are recommended to receive full funding, four (4) applications are to receive partial funding, and seven (7) applications are not being recommended due to not meeting application criteria and due to limited funding available for distribution, for a total allocation of \$266,583.90.

The table below outlines the funds requested by organizations and the funding recommended by the Lindsay Legacy C.H.E.S.T. Fund Grant Committee:

Name of Organization	Project Details	2020 Requested Funding	2020 Recommended Funding
Lindsay Gymnastics Centre	Upgrade heating and cooling systems	\$100,000.00	\$0.00

John Howards Society	Fencing and construction work in courtyard to expand accessibility and privacy for residents in need	\$10,000.00	\$10,000.00
Kawartha Lakes Food Source	Replacement of collection materials Increased Marketing Website Update	\$17,107.00	\$9,560.00
United Way	Improvements to Community Garden Large floor scale, photocopier, storage shed, wheelbarrow	\$10,000.00	\$10,000.00
Alzheimer Society of Peterborough, Kawartha Lakes, Northumberland & Haliburton	Deliver Mind in Motion program to the Lindsay Community	\$ 21,620.00	\$0.00
Lindsay Agricultural Society	Upgrade road surfaces in the fairgrounds	\$175,000.00	\$100,000.00
Lindsay Golf & Country Club	Upgrade heating and cooling systems Replace flooring in clubhouse	\$76,580.00	\$0.00
Royal Canadian Legion Branch 67	Remove damaged concrete from Canteen floor and level it back to a previous time	\$ 86,000.00	\$0.00
Kawartha Cycling Club	Provide bicycle infrastructure for cyclists in the Lindsay Community	\$17,791.88	\$17,791.88
O.E.I. Onsite Education Inc.	Support to facilitate seniors programs to all senior facilities in Lindsay	\$5,000.00	\$0.00
Kawartha Art Gallery	Replacement of carpet Creation of a dedicated art programming work space for youth ages 6-8	\$19,795.48	\$10,819.75
Boys and Girls Clubs of Kawartha Lakes	Creation of adventure park low ropes course facility	\$48,561.49	\$48,561.49
Victoria County Historical Society	Replace and increase workstations Microfilm reader Accessibility and community engagement	\$66,150.00	\$59,850.78
St. Andrew's Presbyterian Church	Install outdoor digital electronic signboard	\$25,000.00	\$0.00

Pinnguaq Association	Design, develop, and implement permanent, sustainable program modules for residents within Lindsay with the intent to improve access and participation in technology based learning	\$80,000.00	\$0.00
Total Requests:	15	\$758,605.85	\$266,583.90

Other Alternatives Considered:

Council could choose to determine different funding allocations, however, this is not recommended in light of Council's decision to have an Advisory Committee make such recommendations.

Financial/Operation Impacts:

Total interest earned up to August 31, 2019	\$ 326,904.19
Total 2020 funding recommendation	<u>\$266,583.90</u>
Amount remaining retained for inflationary growth	\$60,320.29

Relationship of Recommendation(s) To The 2016-2019 Strategic Plan:

The recommendations within this report directly align with all Strategic Goals, namely:

- Goal 1 – A vibrant and Growing Economy
- Goal 2 – An Exceptional Quality of Life
- Goal 3 – A Healthy Environment

Review of Accessibility Implications of Any Development or Policy:

N/A

Servicing Implications:

N/A

Consultations:

Lindsay Legacy C.H.E.S.T. Fund Grant Committee

Treasury

Attachments:

N/A

Department Head E-Mail: cshanks@kawarthalakes.ca

Department Head: Craig Shanks

The Corporation of the City of Kawartha Lakes

Council Report

Report Number CORP2019-029

Meeting Date: December 10, 2019
Title: Reserve Transfers
Description: Transfer of various items to reserve
Ward Number: All
Author and Title: Carolyn Daynes, Treasurer

Recommendation(s):

That Report CORP2019-029, **2019 Reserve Transfers**, be received;

THAT a reserve called “Norland Dam Reserve” be created, and;

THAT the monies received from the license agreement in relation to the Norland Dam for 2018 (\$7,725), 2019 (\$7,956.70) and all future years be put to this newly created reserve to be used for community projects in Norland, and;

THAT the surplus money from the Eastern Ontario Regional Network’s(EORN) cell project of \$81,072.27 be transferred to the Contingency Reserve committed to the EORN project, and;

THAT a reserve called “Capital Contingency Reserve” be created, and that all monies utilized for surplus and deficits of capital projects (approximately \$3.3Million) be transferred there and that the current Capital Reserve (1.32045) be used for the financial plan dollars to fund future Tax Levy Capital Budgets, and;

THAT the 2019 surplus in the Community Service Special Projects for 322 Kent Street Relocation and the 12 Peel Street Staging Space be transferred to the Contingency Reserve and committed to these projects. The funding will be brought out in 2020 in order for these operating projects to be completed.

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

Background:

In preparation for the 2019 year end there are various reserve transfers that need to be approved by Council. The reserve transfers being considered in this report include the following:

- Norland Dam revenues
- Eastern Ontario Regional Network expenditures
- Name change on the Capital Reserve
- Community Services Special Projects

Rationale:

Norland Dam Revenue:

In March 2009 Council learned of a hydro project being considered at the Norland Dam. On March 29, 2009 the members of the Timber Run Hydropower project attended Council to discuss the use of a small piece of City-owned property to erect a small building to store their equipment and to use the City-owned parking lot as a staging ground during the construction phase of the hydro dam project. It was anticipated that there would be enough hydro power generated to service 400 households. Council made the following resolution after their presentation:

Moved by Councillor Yeo, seconded by Councillor Campbell,
RESOLVED THAT Timber Run Hydropower be allowed to pursue the approvals necessary to develop a hydropower station at Norland Dam, Lot 6, Concession 11, Laxton Township;
THAT Timber Run Hydropower be granted site access to carry out the studies and surveys necessary to obtain the required approvals;
THAT Timber Run Hydropower be given first rights to negotiate a definitive license and / or lease agreement with the City of Kawartha Lakes for use of land adjacent to Norland Dam for the placement of hydropower station infrastructure, subject to review by City technical staff for any impact on City services and subject to the successful review and negotiation of the completion of the Environmental Assessment process and that the proponents be given first right to develop the site; and
THAT these negotiations involve any revenue to be paid to the City and their disbursement in the community of Norland for local improvements and projects, namely the expansion and development of Ward Park.

Moved by Councillor Campbell, seconded by Councillor Villemaire,
RESOLVED THAT the question be divided.

DEFEATED

A recorded vote on the original motion was requested by Councillor Yeo.

Member	In Favour	Against
Councillor Elmslie	X	
Councillor Campbell		X
Councillor Robinson		X
Councillor Strangway	X	
Councillor Warren	X	
Councillor James	X	
Councillor Robertson	X	
Councillor O'Reilly		X
Councillor Cziraky	X	
Councillor Marsh		X
Councillor McGregor	X	
Councillor Luff		X
Councillor Yeo	X	
Councillor Ashmore	X	
Councillor Villemaire		X
Councillor Hodgson	X	
Mayor McGee	X	
	11	6

CARRIED CR2009-256

The last part of the resolution is relevant in this report. That is the following:

THAT these negotiations involve any revenue to be paid to the City and their disbursement in the community of Norland for local improvements and projects, namely the expansion and development of Ward Park.

As this resolution did not specifically speak to putting money away in a reserve for community events in Norland this has not been set up or acted upon by Treasury Staff. Therefore the Norland license agreement revenue should be transferred to a reserve, given the resolution above, and it should be used for various community projects in Norland.

The license agreement for the Norland Dam began in 2018. In the past two years the following revenue has been earned and recorded to Realty Services revenue:

2018	\$7,725.00
2019	\$7,956.70

It is proposed that this revenue be put to a reserve called “Norland Dam Reserve”. In addition all future lease agreement revenue, relating to the Norland Dam, be transferred to this reserve.

Eastern Ontario Regional Network (EORN) Project:

The Eastern Ontario Regional Network (EORN) is undergoing a project, in partnership with the Federal and Provincial governments, to attempt to achieve 99% coverage of the eastern Ontario region for cell call service levels, invest in increased capacity and 5G network enhancements in high density, high network utilization areas, as per the Municipal Contribution Agreement. There is a requirement for a minimum contribution from the municipalities forming part of the EOWC (Eastern Ontario Wardens Caucus) of which the City of Kawartha Lakes is a member, and the EOMC (Eastern Ontario Municipal Caucus). The total contribution to be shared by these two bodies and their member municipalities is \$10,141,188. The federal and provincial government is contributing \$142,000,000 and the remainder of the funding for the \$213 Million project will come from the private sector participants in the project.

City staff initially were told that the City’s contribution would be approximately \$900,000 over a three year period and therefore included \$300,000 in the budget for the 2019 budget. The actual cost came in at \$915,710.92 for the entire City share and this is payable over a four year period. Therefore the City will have the following payments in the future:

2019	\$178,927.73
2020	\$178,927.73
2021	\$178,927.73
2022	\$178,927.73

The City included \$300,000 in the 2019 budget and has only paid \$178,927.73, which is the City’s share of the EORN initiative described above, as well as \$40,000 for the Cell and CRTC Gap Analysis that is the background for the EORN cell coverage work. Therefore there is a surplus of \$81,072.27 in this line item in the 2019 budget.

Staff are recommending that this surplus of \$81,072.27 be transferred to the Contingency Reserve in 2019 and committed to the EORN initiative. This \$81,072.27 would then be used to fund the 2020 contribution of \$178,927.73. This payment is included in the 2020 Operating budget under Special Projects and in the Administration category. The total cost of \$179,000 is included in the listing however only \$97,927 of tax levy is needed to fund this payment as Staff are utilizing the \$81,073 surplus from 2019 as a reserve contribution.

Name change of the Capital Reserve:

Prior to the financial plan of 2017 the City had only one Capital Reserve. This capital reserve was increased and decreased based on surpluses and deficits in the capital projects that were approved by Council. Each capital project is assigned an estimated cost at the time of the budget deliberations. The actual cost to the City is not known until the project work is tendered in the competitive market. Sometimes that results in a lower than budget cost and therefore a surplus will result upon completion of the project. Other times the tender process results in a higher than budget cost and therefore a deficit will result upon completion. It is these ups and downs that are funded by the Capital Reserve.

The financial plan of 2017 recommended an infusion of \$25,000,000 of debenture dollars to be held in a Capital Reserve and used to fund the Capital budget going forward. Staff finds it very confusing to determine if Council makes a motion to the Capital Reserve whether it is referencing the monies set aside for the Financial Plan or the monies set aside for the surpluses and deficits of projects.

Therefore Staff are recommending that the Financial Plan dollars be left in the Capital Reserve. The remaining amounts that are used to fund surpluses and deficits will be moved to a reserve called “Capital Contingency”. This name lends itself more to what the reserve is actually used for. If the actual cost is over the budget it has a “contingency” to fall back on.

At the time of this report the following balances exist in the current Capital Reserve:

Capital Reserve – Financial Plan	\$2,124,618
Capital Reserve – Related to Contingency	\$3,271,669

Staff are recommending that the amount of \$3,271,669 (as well as activity from November 1st to the date of the Council meeting) be transferred to the newly created “Capital Contingency Reserve”, and that the remaining amount of \$2,124,618 remain in the Capital Reserve (1.32045) for future tax levy capital budgets.

Community Services Special Projects:

The Community Services Operating Budget includes 2 projects related to staff movements to 322 Kent Street and use of 12 Peel Street as a staging space. Both projects are delayed due to scheduling adjustments of the 68 Lindsay St project being completed and Human Services staff moving into that location. The actual move of Human Services staff to 68 Lindsay occurred on October 15th, 2019. This was much later than anticipated and thus has delayed these two

special projects. The projects have begun and final renovations will be completed and staff move-ins from 12 Peel to 322 Kent St by the end of Q1, 2020. The bulk of the remaining work includes renovation of space to allow for staff relocations. This includes structural and electrical work. Final documents have been completed and physical work is due to start in late Q4 2019. The carry-over of the funds (which are approved as earmarked for this project) are required for completion next year. The money estimated to be left in each Special Project, as of November 21st, 2019 is as follows:

Project Description	Approved Budget 2019	Total Spending	Remaining Budget
322 Kent Street Relocation	\$150,000.00	\$66,945.69	\$83,054.31
12 Peel St. Staging Space	\$ 30,000.00	\$7,200.54	\$22,799.46

Staff are requesting that both project surpluses at the end of 2019 be transferred to the Contingency Reserve, committed to Community Services Special Projects and that these funds be used to finish both of these projects in 2020. Both projects currently have Purchase Orders attached to them and these expenses are included in the Total Spending Column. The surplus at November 21st, 2019 is illustrated above and it is expected that the amount transferred to the reserve will be approximately the amount in the “Remaining Budget” column.

Other Alternatives Considered:

Various alternatives could be considered to each of the resolutions in this report.

Norland Dam Revenue:

The revenue earned from the licensing agreement could be left in Realty Services and fall to the bottom line of the corporation. This is not recommended as Council has already resolved that any revenue earned should be utilized for the benefit of the Norland community.

EORN project:

The surplus in the 2019 budget of \$81,072.27 could be left in 2019 and flow to the bottom line of the Corporation. This is not recommended as this was specific to the EORN initiative and now the option to pay the project contribution over four years instead of three years has allowed a reduction in the 2020 Special Project budget.

Name Change of the Capital Reserve:

The portion of the capital reserve that deals with ups and downs of capital projects throughout the year could remain in the Capital Reserve. This is not

recommended as there is already confusion about various resolutions and reserves should be specific in purpose. The Capital Reserve should be retained for future capital budget financing and the new "Capital Contingency" Reserve will be used as a contingency for project overages and underages.

Community Services Operating Projects:

Council could decide to not transfer the surpluses in the two Special Projects and leave the surplus in the Community Service area to fall to the bottom line of the Corporation. This is not recommended as the reason for the surplus is due to the delay of the 68 Lindsay Street completion. The work is needed in order to accommodate the staff moving into 322 Kent Street.

Financial/Operation Impacts:

There are various financial impacts to each of the resolutions in this report:

Norland Dam Revenue

The transfer to reserve of this licensing revenue was not included in the 2019 budget so therefore this is an additional pressure on the year end operating results in the amount of \$7,956.70. As well the 2018 year end has already been closed and therefore the 2019 year end will take a further expense of \$7,725.00. Therefore there is a \$15,681.70 reduction in the 2019 year end results due to this resolution.

EORN Project

There is no financial impact to the 2019 year end results as the total budget of \$300,000 was specifically for the EORN project. This is simply moving the dollars to a reserve to be used in future years.

Name Change of the Capital Reserve

There is no financial impact of this request for a name change.

Community Services Operating Projects:

There is no financial impact to the 2019 year end results as the total budget of \$180,000 was specifically for these two Special projects. This is simply moving the dollars to a reserve to be used in future years.

Relationship of Recommendation(s) To The 2016-2019 Strategic Plan:

These staff recommendations assist in achieving the Strategic Enabler goal. This Reserve report enables Council to see that revenues and expenditures are being recorded in the most fiscally responsible manner. This illustrates responsible fiscal resource management.

Consultations:

Realty Services Division
Council
Director of Community Services

Attachments:

None

Department Head E-Mail: jstover@kawarthalakes.ca

Department Head: Jennifer Stover

The Corporation of the City of Kawartha Lakes

Council Report

Report Number PUR2019-045

Meeting Date: December 10, 2019

Title: Delegation of Authority- 2019-104-CQ Downtown Reconstruction Phase II – Kent St. and Lindsay St.

Description: Delegation of Authority

Ward Number: Ward 5 & 7

Author and Title: Launa Macey Supervisor of Financial Services

Recommendation(s):

That Report PUR2019-045, **Delegation of Authority –**, be received;

THAT if the quotation submissions are irregular, Council's authority pursuant to the Purchasing By-Law be delegated for the award of 2019-104-CQ Downtown Reconstruction Phase II – Kent St. and Lindsay St. to the CAO; and

THAT an information report be brought back to Council confirming the award of 2019-104-CQ Downtown Reconstruction Phase II – Kent St. and Lindsay St.;

THAT the Mayor and Clerk be authorized to sign the agreement; and

THAT Purchasing be authorized to issue the purchase order.

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

Background:

Financial Services currently has 2019-104-CQ Downtown Reconstruction Phase II – Kent St. and Lindsay St. advertised on Bids and Tenders. The document closes on December 10, 2019 at 11:00:00 a.m. As the work is time sensitive, and cannot wait until the January 28, 2020 regular Council meeting due to the anticipated work commencing in February 2020 and the required lead time to order and manufacture the specialized street lights.

Rationale:

Staff recommend that if the quotation submissions are irregular, Council's authority pursuant to the Purchasing By-Law be delegated for the award of 2019-104-CQ Downtown Reconstruction Phase II – Kent St. and Lindsay St. to the CAO;

Other Alternatives Considered:

None as this project is time sensitive and needs to be awarded as soon as possible.

Financial/Operation Impacts:

2019-104-CQ Downtown Reconstruction Phase II – Kent St. and Lindsay St. will fall within the 2020 Capital Budget for the Engineering Department.

Project Code	Description	Budget
983200301	Lindsay St – Reconstruction	\$1,563,000
983200302	Kent St – Reconstruction	\$2,925,000
998200301	Lindsay St Mains	\$1,530,000
998200302	Kent St Mains	\$1,920,000
Total		\$7,938,000

There has been no expenses or committed funds allocated to these projects as they have just been approved for the 2020 Capital & Water Wastewater budgets.

Relationship of Recommendation(s) To The 2016-2019 Strategic Plan:

This project relates to Goal 1 by maintaining the City's existing infrastructure:

- Goal 1 – A Vibrant and Growing Economy

It also aligns with the Strategic Enablers of "Efficient Infrastructure & Asset Management" and "Responsible Fiscal Resource Management".

Review of Accessibility Implications of Any Development or Policy:

The Accessibility coordinator, the stakeholders meeting and the public meeting along with the City of Kawartha Lakes Accessibility Advisory Committee were involved throughout the Environmental Assessment process.

The design plan for Downtown will include Accessible pedestrian walkways / sidewalks, Audible pedestrian traffic signals / crossing and approved color contrast pavers on the boulevards.

Servicing Implications:

The corresponding infrastructure improvements (i.e. replacement of watermain, sanitary and storm pipe) have been incorporated into the design project and respective tender.

The City received a grant through Small Community Funds – Lindsay Cast Iron Watermain Replacement, that funds the replacement of cast iron watermain in Lindsay.

Consultations:

Junior Accountant
Supervisor – Cost Accounting

Department Head E-Mail: jrojas@kawarthalakes.ca

Department Head: Juan Rojas, Director of Engineering

The Corporation of the City of Kawartha Lakes

Council Report

Report Number ENG2019-025

Meeting Date: December 10, 2019

Title: Webster Municipal Drain Revised Report

Description: Amendment of Municipal Drain Report

Ward Number: Ward 4

Author and Title: Michael Farquhar, Supervisor of Technical Services,
Engineering and Corporate Assets

Recommendation(s):

That Report ENG2019-025, **Webster Municipal Drain Revised Report**, be received;

That Council approve the Revised Webster Municipal Drain report based on the Recommendations from the Court of Revision;

That Council approve the amendments to By-Law 2019-110 based on the Court of Revision Recommendations; and,

That Council proceed with the third and final reading and subsequent adoption of By-law 2019-110 inclusive of the amendments from the Court of Revision.

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

Background:

At the July 16, 2019 Council meeting the following resolution was adopted for the meeting to consider Webster Municipal Drain report.

CR2019-447

That Report ENG2019-015, **Webster Municipal Drain Consideration Report**, be received;

That the Engineer's Report for the Webster Municipal Drain is adopted and the City Clerk be instructed to prepare the necessary by-law;

That Council proceed with the first and second reading of the by-law to provisionally adopt the report; and

That staff be instructed to make the necessary arrangements for a Court of Revision to be held on the Engineer's Report for the Webster Municipal Drain.

Carried

After the adoption of the Engineers report and the passing of the provisional by-law 2019-110 at the meeting for consideration, the Court of Revision was convened on August 15th, 2019 as required under Section 97 of the Ontario Drainage Act. At this meeting Mr. Gerrits of Dobbin Engineering gave an overview of the amendments to the original report for the Court of Revision. These amendments were described in Mr. Gerrits July 5th letter. The Court of Revision then proceeded to pass the following resolutions (see attached Minutes Appendix A).

Decision of the Court of Revision

That we, the Court of Revision for the Webster Municipal Drain, make the following decision with respect to the appeal filed by Tricia Bottan:

That the appeal of Tricia Bottan be dismissed as the outlet and benefit liability assessments are consistent with other lands in the watershed; and

That the owner(s) failed to show justification for changes to their assessment.

Carried

That the assessments contained in the Webster Municipal Drain Report, as amended on July 5, 2019 by Drainage Engineer M. Gerrits, are hereby confirmed;

That Provisional By-Law Number 2019-110 be amended to reflect the amended report and schedules, as advised by the Drainage Engineer M. Gerrits on July 5, 2019; and

That the amended Drainage Engineer's Report be adopted with the corresponding By-law 2019-110 being forwarded to Council for third reading.

Carried

Rationale:

The City of Kawartha Lakes Court of Revision, representing the City, has held its meeting to hear any appeals with regards to assessments and or revisions to the original engineers report for the Webster Municipal Drain. Based on that meeting the Court of Revision approved resolutions for making the recommended revisions to the engineers report effecting assessments (see Appendix B), it is now procedurally necessary to come back to Council seeking approval for these changes to the existing engineers report and to update and amend the provisional by-law 2019-110 to reflect these changes .

If Council chooses to proceed with the third and final reading and subsequent adoption of By-law 2019-110 inclusive of the amendments (see appendix C) from the Court of Revision, then a copy of the final by law and report will be sent out to each person or body entitled to notice under the Ontario Drainage Act.

Other Alternatives Considered:

Where a report is not adopted by Council, any petitioner may appeal to the Tribunal or, where lands used for agricultural purposes are included in the area to be drained, the Minister may refer the matter to the Tribunal. In light of the Drainage Board's position, it is recommended that Council adopt the Webster Municipal Drain Report.

Financial/Operation Impacts:

The Drainage Act requires that the cost of a drain constructed under the Act shall be assessed to the lands and roads within the watershed of the drain. The Engineer's Report includes an assessment schedule, which indicates the total assessment for each property assessed on the drainage works, including assessments on roads. Council report recommends the changes approved and the Court of revision to the Engineers report and provisional by-law 2019-110.

When the construction is completed and the final costs of the project are known, a by-law is passed to levy the final cost pro-rated with the assessments in the Engineer's Report. An invoice is sent to each assessed owner advising of the amount due within 30 days. The City of Kawartha Lakes estimates the assessed

amount is \$92,502.00 for lands and roads belonging to or controlled by the municipality.

Relationship of Recommendation(s) to the 2016-2019 Strategic Plan:

Section 3.1.7 of the Strategic Plan recognizes the protection of prime agricultural land by including policies in the Official Plan and working with the agricultural community to identify opportunities to support the sector.

Consultations:

The City of Kawartha Lakes Drainage Board
City Clerk's Office
Drainage Superintendent
The City of Kawartha Lakes Court of Revision

Attachments:

Appendix A: Minutes of the City of Kawartha Lakes Court of Revision of August 15, 2019.



August 15, 2019
Court of Revision Min

Appendix B: Webster Drain Revised report



Final Report.pdf



Final Report
Drawings.pdf

Appendix C: Amended By-Law 2019-110



2019-110 Webster
Municipal Drain Third ;

Department Head E-Mail: jrojas@kawarthalakes.ca

Department Head: Juan Rojas

Department File:

City of Kawartha Lakes Webster Municipal Drain Court of Revision Minutes

Meeting: August 15, 2019 at 7:00 p.m.

Members Present: Councillor A. Veale (alternate), C. Clarke, & J. Oriotis,

Member Absent: Councillor R. Ashmore

**Other Drainage
Board Members
Present:**

M. Verbik (alternate)

Staff Present: Michael Gerrits, P. Eng., Drainage Engineer
Joel Watts, Deputy Clerk and Recording Secretary
Michael Farquhar, Supervisor of Technical Services
Lucas Feitler, Drainage Superintendent
Ann Rooth, Deputy Clerk
Cathie Ritchie, City Clerk

Owners Present: C. Graves, T. Bottan, & M. Wechsel.

Location: Victoria Room, City Hall, Lindsay, ON

1. Signing of the Oath

At the beginning of the meeting each member signed the Oath of a Member of the Drainage Court of Revision, conducted by Deputy Clerk and Recording Secretary J. Watts.

2. Appointment of Chairperson

The Recording Secretary asked for nominations for the appointment of Chair.

C. Clarke nominated J. Oriotis for the position of Chair. J. Oriotis consented to the nomination

The Secretary asked for nominations a second and third time and there were no further nominations.

Moved by: C. Clarke
Seconded by: A. Veale

That J. Oriotis be appointed as the Chair for the Court of Revision to hear assessment appeals against the Webster Municipal Drain, as adopted by Provisional By-Law Number 2019-110.

Carried

J. Oriotis took the Chair.

3. Convening of the Court:

Chair Oriotis convened the Court of Revision for the Webster Municipal Drain at 7:10 p.m. to hear assessment appeals for the Webster Municipal Drain, as adopted by Provisional By-Law Number 2019-110.

Moved By: C. Clarke
Seconded By: Councillor Veale

That the Agenda for the August 15, 2019 Webster Municipal Drain Court of Revision be adopted as circulated to all.

Carried

4. Recommendation for Revision from Drainage Engineer:

Mr. Gerrits provided an overview of the amendments made to his report documented in his correspondence to the Drainage Board dated July 5, 2019. He noted that other than the amendments listed in his correspondence, all other aspects of the original Webster Municipal Drain report remain unchanged.

Moved By: C. Clarke
Seconded By: Councillor Veale

That the July 5, 2019 recommendations for amendments to the Webster Municipal Drain Report from Drainage Engineer M. Gerrits be adopted as circulated.

Carried

5. Appeals:

There was one written appeals filed with the Clerk prior to August 2nd (appeal deadline).

The Chair read the written appeal filed by T. Bottan.

The Chair was asked if he wished to speak to the appeal.

Tony Bottan spoke on behalf of Tricia Bottan. He stated that he feels the assessment is too high, based on their current use of the land, and he didn't see any benefit to the municipal drain to their lands. He responded to questions from the members of the Court of Revision

Mr. Gerrits, P. Eng., provided his evidence as to how the assessments on the Bottan property were determined and answered the questions put forth by Mr. Bottan and members of the Court of Revision.

6. Recess of Court of Revision for Deliberations

The Court of Revision recessed at 7:30pm to review the appeals and the evidence put forth.

The Court of Revision reconvened at 7:49pm.

7. Decision of the Court of Revision

Moved By: Councillor Veale
Seconded By: C. Clarke

That we, the Court of Revision for the Webster Municipal Drain, make the following decision with respect to the appeal filed by Tricia Bottan:
That the appeal of Tricia Bottan be dismissed as the outlet and benefit liability assessments are consistent with other lands in the watershed; and
That the owner(s) failed to show justification for changes to their assessment.

Carried

Moved By: C. Clarke
Seconded By: Councillor Veale

That the assessments contained in the Webster Municipal Drain Report, as amended on July 5, 2019 by Drainage Engineer M. Gerrits, are hereby confirmed;
That Provisional By-Law Number 2019-110 be amended to reflect the amended report and schedules, as advised by the Drainage Engineer M. Gerrits on July 5, 2019; and
That the amended Drainage Engineer's Report be adopted with the corresponding By-law 2019-110 being forwarded to Council for third reading.

Carried

6. Adjournment

Moved By: Councillor Veale
Seconded By: C. Clarke

That the Court of Revision adjourn at 7:52 p.m.

Carried

June 3, 2019

Revised Report Accepted by the Court of Revision

The City of Kawartha Lakes
26 Francis Street
Lindsay, ON
K9V 5R8

Mayor, Council and Drainage Board:

Re: Webster Drain

In accordance with your instructions, I have undertaken an examination of Part of Lot 11, Concession 5, and Part of Lot 10, Concession 5 with regards to providing the lots with a legal outlet for subsurface water generated on the properties.

The Lake Simcoe Regional Conservation Authority has approved the May 8, 2019 design of the Webster Drain. The design presented in this report is the same design that has been approved.

Summary of Work

The work includes the following:

- Prepare an Engineers Report under the Drainage Act to address the petitions (2).
- Replace the Glenarm Road centreline culvert.
- Replace the Prospect Road centreline culvert.
- Construct an open channel across the W1/2 of Lot 10, Concession 5 and complete a ditch cleanout and deepening for 310m west of Prospect Road on the S1/2 of Lot 10, Concession 4 and Lot 9, Concession 4.
- Allowances have been made to Pt. Lot 11 and W1/2 L Lot 10, Concession 5 and to S1/2 L Lot 10 and Lot 9, Concession 4.
- The estimated costs are estimated to be \$271,850 which includes engineering, tendering and an allowance for inspection.

Authorization under the Drainage Act

The City of Kawartha Lakes received two petitions for drainage, one on September 13, 2017 from Victor Webster Farms Ltd and a second petition from Ella Wechsel on July 12, 2018. This Engineers Report has been prepared under Section 4 of the Drainage Act as per the petitions received by the City of Kawartha Lakes. Section 4 (1) of the Drainage Act states:

A petition for the drainage by means of a drainage works of an area requiring drainage as described in the petition may be filed with the Clerk of the local Municipality in which the area is situate by,

- (a) the majority in number of the Owners, as shown by the last revised assessment roll of lands in the area, including the Owners of any roads in the area;
- (b) the Owner or Owners, as shown by the last revised assessment roll, of lands in the area representing at least 60 per cent of the hectarage in the area;
- (c) where a drainage works is required for a road or part thereof, the engineer, road superintendent or person having jurisdiction over such road or part, despite subsection 61(5);
- (d) where a drainage works is required for the drainage of lands used for agricultural purposes, the Director. R.S.O. 1990, c.D.17, s.4(1).

The petitions were determined to be valid based on Section 4 (1) (b).

Existing Conditions

There exists an open channel in Lot 9, Concession 4 that extends in a north-easterly direction to the east edge of the S1/2 Lot 10, Concession 4. It then extends in a north-easterly direction 820m to its head in the W1/2 Lot 10, Concession 5.

North of the open channel exists a small surface course that crosses Glenarm Road, approximately 360m east of Prospect Road.

At the time of site visits the lands east of the low run were cleared and appeared to be cropped. The clearing extended to the west of the low run.

The Lake Simcoe Region Conservation Authority provided mapping with the following information.

- The Lands in Lot 10, Concession 5 were labelled as wetland.
- The catchment area is located within a regulated area.
- The low run from Station 0+150 to 1+302 was considered a watercourse.
- The low run from Station 0+150 to 1+302 was considered a meanderbelt (erosion limit).

On Site Meetings

An onsite meeting was held on November 1, 2017. The following is a summary of the meeting:

- The City of Kawartha Lakes received a petition for outlet of sub-surface water on L11, Concession 5.
- The petition was determined to be valid.
- R. Dobbin Engineering will need to do a detailed topographic survey for the alignment and to determine the drainage area.

A second meeting was held on June 6, 2018. The purpose of the second meeting was to update the Landowners and answer any questions with respect to the alignment, grades and the length of works required for a sufficient outlet. After some discussion, some Landowners expressed an interest in signing a petition for drainage. The following is a summary of the subsequent meeting:

- The City of Kawartha Lakes received a petition for outlet of sub-surface water on L10, Concession 5.
- The petition was determined to be valid.
- R. Dobbin Engineering will need to do a detailed topographic survey for the alignment and to determine the drainage area.
- The Landowner of Part of Lot 11, Concession 5 and the Landowner of the W1/2 of Lot 10, Concession 5 were contacted separately by telephone to discuss the petition.

Recommendations

Based on our knowledge of the drain and discussions at the November 1, 2017 and June 6, 2018, meetings it is therefore recommended that the following work be carried out:

1. A new drain called the Webster Drain will be constructed following the existing lowlands to provide an outlet for surface and subsurface water in Part of Lot 11, Concession 5.

Design

The proposed open channel drain shall be designed to accommodate a drainage coefficient of 37 mm/24 hours. This is generally acceptable for lands used for cash crops with provisions for surface water. Open channel design criteria includes an assumed minimum tile depth of 600mm plus diameter of tile and a minimum 100 mm freeboard to the design flow elevation.

Culvert design criteria includes rural road crossing be designed to accommodate the 1 in 10 year storm event and County roads be designed to accommodate the 1 in 25 year storm event.

The design has included an open channel rather than a closed tile. This will maintain the general overall drainage patterns in the area and maintain a surface flow route thorough the regulated area. The backslopes in earth cuts will be to 3H:1V to help minimize bank erosion.

The drain's alignment includes a section of land that is regulated by the Lake Simcoe Regional Conservation Authority. Prior to submitting the report a meeting was held with the Lake Simcoe Regional Conservation Authority to review the design to ensure a permit would be provided by the Lake Simcoe Regional Conservation Authority. At the request of the Lake Simcoe Regional Conservation Authority the working areas were added to the overall plan. Standard erosion and sediment control measures have been implemented into the design. The Lake Simcoe Regional Conservation Authority has confirmed a permit will be issued once the Court of Revisions appeal period has ended and if applicable, when the Tribunal appeal period has ended.

Estimate of Cost

It is recommended that the work be carried out in accordance with the accompanying Specification of Work and Profile that forms part of this Report. There has been prepared an Estimate of Cost in the amount of \$271,850, including engineering of the report, attending the Meeting to Consider the Report, attending the Court of Revision, preparing a tender document for distribution by the City of Kawartha Lakes and an allowance for inspection. Appearances before appeal bodies have not been included in this cost estimate.

A plan has been prepared showing the location of the work and the approximate drainage area. A profile is included showing the depths and grades of the proposed work.

Assessment

As per Section 21 of the Drainage Act, the Engineer in his report shall assess for benefit and outlet for each parcel of land and road liable for assessment.

Lands, roads, buildings, utilities, or other structures that are increased in value or are more easily maintained as a result of the construction, improvement, maintenance, or repair of a drainage works may be assessed for benefit. (Section 22)

Lands and roads that use a drainage works as an outlet, or for which, when the drainage works is constructed or improved, an improved outlet is provided either directly or indirectly through the medium of any other drainage works or of a swale, ravine, creek, or watercourse may be assessed for outlet. The assessment for outlet shall be based on the volume and rate of flow of the water artificially caused to flow into the drainage works from the lands and roads liable for such assessments. (Section 23)

The Engineer may assess for special benefit any lands for which special benefits have been provided by the drainage works. (Section 24)

A Schedule of Assessment for the lands and roads affected by the work and therefore liable for the cost thereof will be prepared as per the Drainage Act. Also, assessments may be made against any public utility or road authority, as per Section 26 of the Drainage Act, for any increased cost for the removal or relocation of any of its facilities and plant that may be necessitated by the construction or maintenance of the drainage works. Items to be assessed under Section 26 shall be the actual cost plus a portion of the engineering (25% of the cost).

The cost of any approvals, permits or any extra work, beyond that specified in this report that is required by any utility, conservation authority, government ministry or organization (federal or provincial), or road authority shall be assessed to that organization requiring the permit, approval, or extra work.

The estimated cost of the drainage works has been assessed in the following manner:

1. The costs of the Glenarm Road road crossing have generally been assessed with 95% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
2. The costs of the Prospect Road road crossing have generally been assessed with 73% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
3. The Landowner of the W1/2 of L10, Concession 5 has agreed to compensation in lieu of an access culvert. 50% of the estimated cost of the access culvert has been assessed as an outlet assessment on upstream lands based on equivalent hectares.
4. The remaining cost of the drainage works have been assessed with approx. 60% of the estimated cost assessed as a benefit assessment and the remainder assessed as outlet assessment to the upstream properties based on equivalent hectares.

Agricultural Grant

It is recommended that application for subsidy be made for eligible agricultural properties. Any assessments against non-agricultural properties are shown separately in the Schedule of Assessment.

Access and Working Area

Access to the worksite and the working area shall generally be from Glenarm Road, Prospect Road and along the drainage works.

The working area between station 0+150 and Prospect Road shall be from the north side of the existing channel and shall extend 20 metres from the top of bank with a 2 m wide strip on the southerly side.

The working area between Prospect Road and Glenarm Road shall be from the east side of the proposed channel and the south side of the existing and shall extend 30 metres east or south from the top of bank with a 2 m wide strip on the northerly and westerly sides.

Allowances

Under Section 29 of the Drainage Act, the Engineer in the report shall estimate and allow in money to the Owner of any land that it is necessary to use for the construction or improvement of a drainage works or for the disposal of material removed from drainage works. This shall be considered an allowance for right-of-way.

Under Section 30 of the Drainage Act, the Engineer shall determine the amount to be paid to persons entitled thereto for damage, if any, to ornamental trees, lawns, fences, land and crops occasioned by the disposal of material removed from a drainage works. This shall be considered an allowance for damages. Section 30 allowances for drain replacement will be paid at the crop rate regardless of the land use.

Under Section 33 of the Drainage Act, the Engineer can provide and allowance for loss of access to an Owner instead of providing for the construction of an access.

Allowances for right-of-way are based on a land value of \$12,350.00 per hectare. Allowances for crop loss are based on \$1,500.00 per hectare for the first year and \$750.00 for the second year (total \$2,250.00 per hectare). Allowances for loss of access are \$5,280.00 and are based on 50% of the cost of the required access.

Restrictions

No trees may be planted within the working area. If trees must be removed because they interfere with the drainage work or with access or other maintenance activities, they shall be removed at the expense of the Landowner. Permanent structures are not to be erected within 10 metres of either side of the drainage works.

Attention is also drawn to Sections 80 and 82 of the Drainage Act, which refer to the removal of obstructions in a drain and damage caused to a drain.

Existing Private Drainage

All existing subsurface drainage encountered during the construction of the proposed drains shall be reconnected to the proposed open channel.

Maintenance

Upon completion of the work, the drainage works shall be maintained as per the Schedule of Maintenance unless otherwise altered under provisions of the Drainage Act or as outlined below.

- The costs of the Glenarm Road road crossing shall be maintained with 95% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
- The costs of the Prospect Road road crossing shall be maintained with 73% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
- The channel shall be maintained as per the specifications and to the depths and grades as shown on the drawings contained in this Engineers Report.
- If the lands ending Area Roll Number 10-204 complete tree removal of the forested area at the south portion of the property the property shall be assessed \$292. The assessment shall be retained by the City of Kawartha Lakes until maintenance is completed on the drain at which time the costs will be a credit to the maintenance cost.

All of the above is submitted for your consideration.

Yours truly,

Michael Gerrits, P. Eng.
R. Dobbin Engineering Inc.

City of Kawartha Lakes
Webster Drain
June 3, 2019

ALLOWANCES

Allowances have been made as per Sections 29, 30 & 33 of the Drainage Act for damages to lands and crops and loss of access.

Conc.	Lot or part	Roll No.	Owner	Section 29	Section 30	Section 33	Total
4	N 1/2 Lot 9	10-161	R. Graves	3,800	690	-	4,490
	S 1/2 Lot 10	10-162-10	C. Jackson	4,450	810	-	5,260
5	W 1/2 Lot 10	10-200	E. Wechsel	20,400	3,720	5,280	29,400
	Pt Lot 11	10-206	Victor Webster Farms Ltd.	-	200	-	200
TOTAL ALLOWANCES				\$ 28,650	\$ 5,420	\$ 5,280	\$ 39,350

Estimate of Cost

Allowances:					39,350
	<u>Quantity</u>	<u>Unit</u>	<u>Material</u>	<u>Labour</u>	
Brushing	0.11	Ha	-	1,120	1,120
Excavation of Drain	3036	cu.m	-	22,770	22,770
Levelling of Excavated Material	1120	m	-	5,600	5,600
Rock Excavation c/w Shatter & Vibration Monitoring	649	cu.m	-	63,300	63,300
Prospect Road					
Remove Existing 600ø & 900mmø CSPs	2	ea	-	960	
1600mmø CSP (Open Cut)	18	m	7,620	1,600	
Bedding Material	74	t	1,480	640	
Granular "B"	82	t	820	640	
Place Backfill	60	t	-	640	
Granular "A"	30	t	600	320	
Rip Rap Culvert Inlet and Outlet	30	sq.m	1,500	1,500	
Fence Removal and Reconstrction	40	m	200	960	
Traffic Control	1	LS	450	400	
Restoration	1	LS	600	500	
			13,270	8,160	21,430
Glenarm Road					
Remove Existing 600mmø CSP	1	ea	-	640	
1400mmø CSP (Open Cut)	26	m	9,210	2,240	
Bedding Material	100	t	2,000	960	
Granular "B"	154	t	1,540	1,280	
Place Backfill	150	t	-	640	
Granular "A"	42	t	840	480	
Rip Rap Endwall	45	sq.m	2,250	2,250	
Traffic Control	1	LS	600	1,200	
90 mm Asphalt (50mm HL8 & 40 mm HL4)	80	sq.m	2,400	720	
Fence Removal and Reconstrction	20	m	100	480	
Restoration	1	LS	600	500	
			19,540	11,390	30,930
Silt Fence	1	ea	250	-	250
Miscellaneous					13,610
Sub Total					198,360
Engineering					48,740
Tendering					2,500
Conservation Review Fee					470
Inspection Allowance (Estimate)					21,780
Total Estimate					\$271,850

SCHEDULE OF MAINTENANCE
(Accepted by the Court of Revision)

For Maintenance of the open channel portion of the drain from Station 0+150 to Station 1+302.
Road crossings will be maintained as per the Engineers Report.

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Benefit	Outlet	Total	Equivalent Ha.
Agricultural Land								
4	N 1/2 Lot 9	2.0	10-161	R. Graves	332	1	333	2.0
	S 1/2 Lot 10	5.7	10-162-10	C. Jackson	255	29	284	5.7
	Pt N 1/2 Lot 10	1.6	10-163	D. Brown	-	12	12	1.6
5	W 1/2 Lot 10	44.3	10-200	E. Wechsel	2,484	325	2,809	44.3
	Pt E 1/2 Lot 10	28.8*	10-204	T. Bottan	-	328	328	25.2
	Pt Lot 11	53.6**	10-206	Victor Webster Farms Ltd.	255	1,280	1,535	46.9
					3,326	1,975	5,301	
				Total Benefit	3,326			
				Total Outlet	1,975			
				Total - Agricultural	5,301			
Non-Agricultural Lands								
4	Pt N 1/2 Lot 10	0.4	10-163-01	J. McFeeters	-	3	3	0.4
	Pt. Lot 11	0.3	10-206-01	T. Bottan	-	17	17	0.7
					-	20	20	
				Total Benefit	-			
				Total Outlet	20			
				Total - Non-Agricultural	20			

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Benefit	Outlet	Total	Equivalent Ha.
Public Lands								
5	Pt E 1/2 Lot 10	1.2	10-204-01	City of Kawartha Lakes	-	96	96	3.6
	Prospect Road	1.8		City of Kawartha Lakes	-	15	15	5.4
	Glenarm Road	4.1		City of Kawartha Lakes	-	428	428	16.2
					-	539	539	
				Total Benefit	-			
				Total Outlet	539			
				Total - Public Lands	539			
				Total - Public Lands	539			
				Total Non-Agricultural Lands	20			
				Total Agricultural Lands	5,301			
				Total Assessment	\$ 5,860			

NOTE - * Pt E1/2 Lot 10, Concession 5 (ARN 10-204) has 7.7 ha of Bush)

- ** Pt Lot 11, Concession 5 (ARN 10-206) 13.5 ha of Subsurface Water)

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Special Benefit	Benefit	Outlet	Total	Equivalent Ha.
Public Lands									
5	Pt E 1/2 Lot 10	1.2	10-204-01	City of Kawartha Lakes	-	-	2,900	2,900	3.6
	Prospect Road	1.8		City of Kawartha Lakes	28,436	-	1,128	29,564	5.4
	Glenarm Road	4.1		City of Kawartha Lakes	45,714	-	14,323	60,037	16.2
					<u>74,150</u>	-	18,352	92,502	
				Total Special Benefit	74,150				
				Total Benefit	-				
				Total Outlet	<u>18,352</u>				
				Total - Public Lands	92,502				
				Total - Public Lands	92,502				
				Total Non-Agricultural Lands	711				
				Total Agricultural Lands	<u>178,637</u>				
				Total Assessment	\$ 271,850				

NOTE - NET ASSESSMENTS = TOTAL ASSESSMENT LESS AVAILABLE GRANTS LESS ALLOWANCES

- * Pt E1/2 Lot 10, Concession 5 (ARN 10-204) has 7.7 ha of Bush)

- ** Pt Lot 11, Concession 5 (ARN 10-206) 13.5 ha of Subsurface Water)

SCHEDULE OF ASSESSMENT
(Accepted by the Court of Revision)

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Special Benefit	Benefit	Outlet	Total	Equivalent Ha.
Agricultural Land									
4	N 1/2 Lot 9	2.0	10-161	R. Graves	-	7,590	283	7,872	2.0
	S 1/2 Lot 10	5.7	10-162-10	C. Jackson	-	5,675	1,595	7,269	5.7
	Pt N 1/2 Lot 10	1.6	10-163	D. Brown	-	-	1,014	1,014	1.6
5	W 1/2 Lot 10	44.3	10-200	E. Wechsel	-	57,314	30,906	88,220	44.3
	Pt E 1/2 Lot 10	28.8*	10-204	T. Bottan	-	-	20,455	20,455	25.2
	Pt Lot 11	53.6**	10-206	Victor Webster Farms Ltd.	-	5,675	48,133	53,807	46.9
					-	76,253	102,384	178,637	
				Total Special Benefit	-				
				Total Benefit	76,253				
				Total Outlet	102,384				
				Total - Agricultural	178,637				
Non-Agricultural Lands									
4	Pt N 1/2 Lot 10	0.4	10-163-01	J. McFeeters	-	-	250	250	0.4
	Pt. Lot 11	0.3	10-206-01	T. Bottan	-	-	461	461	0.5
					-	-	711	711	
				Total Special Benefit	-				
				Total Benefit	-				
				Total Outlet	711				
				Total - Non-Agricultural	711				

Webster Drain
City of Kawartha Lakes
June 3, 2019

SPECIFICATION OF WORK

1. Scope of Work

The work to be included in this specification includes the deepening of an existing channel and the excavation of a new channel to be incorporated as the Webster Drain from the Part of L9, Concession 4, through the S1/2 of L10, Concession 4, through the W1/2 of L10, Concession 5 to its top end at the S Pt of L11, Concession 5 in the City of Kawartha Lakes.

2. General

Each tenderer must inspect the site prior to submitting their tender and satisfy themselves by personal examination as to the local conditions that may be encountered during this project. The Contractor shall make allowance in their tender for any difficulties which he may encounter. Quantities or any information supplied by the Engineer is not guaranteed and is for reference only.

All work and materials shall be to the satisfaction of the Drainage Superintendent who may vary these specifications as to minor details but in no way decrease the proposed capacity of the drain.

The Contractor shall be responsible for the notification of all utilities prior to the start of construction.

Measurement for Payment Clauses has not been included in these specifications and will be part of the Construction document. If the Construction document has not identified Measurement for Payment Clauses, the Contractor must notify the City of Kawartha Lakes and request clarification 2 days prior to pricing the project.

3. Plans and Specifications

These specifications shall apply and be part of the Contract along with the General Specifications for Closed Drains and the General Specifications for Open Drains. This Specification of Work shall take precedence over all plans and general conditions pertaining to the Contract. The Contractor shall provide all labour, equipment, and supervision necessary to complete the work as shown in the Plans and described in these specifications.

Any work not described in these specifications shall be completed according to the Ontario Provincial Standard Specifications and Standard Drawings.

Any reference to the Owner contained in these Contract Documents shall refer to the City of Kawartha Lakes or the Engineer authorized by the City of Kawartha Lakes to act on its behalf.

4. Health and Safety

The Contractor at all times shall be responsible for health and safety on the worksite including ensuring that all employees wear suitable personal protective equipment including safety boots and hard hats.

When applicable the Contractor shall be responsible for traffic control as per the Ontario Traffic Manual Book 7 – Temporary Conditions (latest revision).

The Contractor shall be responsible to ensure that all procedures are followed under the Occupational Health and Safety Act to ensure that work sites are safe and that accidents are prevented. In the event of a serious or recurring problem, a notice of non-compliance will be issued. The Contractor will be responsible for reacting immediately to any deficiency and correcting any potential health and safety risk. Continuous disregard for any requirement of the Occupational Health and Safety Act could be cause for the issuance of a stop work order or even termination of the Contract.

The Contractor shall also ensure that only competent workers are employed onsite and that appropriate training and certification is supplied to all employees.

5. Workplace Safety and Insurance Board

The Contractor hereby certifies that all employees and officers working on the project are covered by benefits provided by the Contractor. The WSIB Clearance Certificate must be furnished prior to the execution of the Contract and updated every 90 days.

6. Benchmarks

The benchmarks are based on geodetic elevations. Elevations are available at the locations shown on the drawings. Where these elevations are on existing structures to be replaced, they shall be transferred by the Contractor prior to the removal of the culvert.

The Contractor is required to complete a benchmark loop prior to construction to verify the benchmarks. If discrepancies exist, the Contractor must notify the Drainage Superintendent and Engineer prior to completing any work.

7. Access and Working Area

Access to the worksite and the working area shall generally be from Glenarm Road, Prospect Road and along the drainage works.

The working area between station 0+150 and Prospect Road shall be from the north side of the existing channel and shall extend 20 metres from the top of bank with a 2 m wide strip on the southerly side.

The working area between Prospect Road and Glenarm Road shall be from the east side of the proposed channel and the south side of the existing and shall extend 30 metres east or south from the top of bank with a 2 m wide strip on the northerly and westerly sides.

8. Removal of Existing Culverts

The existing road culverts shall be removed in their entirety. The steel culvert shall be disposed offsite at the expense of the Contractor. Suitable backfill shall be stockpiled adjacent to the site for reuse during installation of the proposed culvert.

9. Brushing and Tree Removal

All brush, trees, woody vegetation, etc. shall be removed from the working area/allowance of the drain. Other brush and trees may be removed from the side the equipment is operating to allow access for the equipment. Trees and brush shall be removed in their entirety including stumps and piled and burnt by the Contractor. Trees and brush on the side slopes shall be close cut. A stump killer pesticide manufactured for the purpose shall be applied to stumps according to manufacturer's specifications.

Brush can be cut with a chainsaw. A mechanical tree shear mower can be used on brush smaller than 35 mm in diameter. The Contractor shall be responsible for obtaining all necessary burning permits.

Certain trees may be left in place at the direction of the Drainage Superintendent. Any trees to be salvaged by the individual landowners shall be removed by the landowners with all resulting brush and branches cleaned up prior to the start of construction. If the Contractor agrees to remove any trees and set them aside for a landowner, the landowner will be responsible for any cleanup as above.

10. Excavation of Channel

The proposed channel shall have a 1.0 m wide bottom and a minimum of 3:1 side slopes. In areas where there is exposed rock the side slopes can be increased to 1:1. The existing topsoil in the area of the excavation shall be stripped and stockpiled within the working area. The centre of the channel shall be in the same location as the existing channel.

The side slopes of the new channel shall be seeded as soon as the final grading is completed. The channel shall be excavated to the proper depth using a laser or similar approved device with a labourer onsite to ensure correctness of grade and to confirm location of tile ends.

Any spoils shall be levelled within the working area. Spoils shall be placed a minimum 1.5m back from the top of the bank. The excavated material shall be placed and levelled to a maximum depth of two hundred millimetres (200 mm) and shall not impede overland drainage or cultivation of the land using farm machinery. If the spoils have sub-soil in them, the topsoil shall be windrowed along the edge of the working corridor prior to placing the sub-soil. After the excavated material has been levelled, the topsoil shall be spread to its original depth and left in a condition suitable for cultivation.

If Landowners request the spoils be disposed of outside the working area, a sign-off from the receiving property must be obtained. Costs associated with disposing of spoils outside the working area are the responsibility of the contractor. No additional payment will be made for disposing of spoils outside the working area.

Restoration shall be in accordance with the restoration specification.

11. Rock Excavation (Provisional)

Rock excavation may be required to complete the open channel and culvert installations. If the Contractor chooses to drill and blast rock within the project limits the Contractor will be required to adhere to the monitoring and vibration control portion of this specification. **The monitoring and vibration control portion of this specification does not apply to rock excavation with a hammer or excavator.** The items described are to be carried out to the provisions of OPSS 120 – General Specification For the Use of Explosives and OPSS 206 - Construction Specification for Grading.

Excavated rock shall be used to fill in the side slopes throughout the open channel as directed by the Drainage Superintendent or otherwise disposed offsite at the Contractors expense.

A slight grade change of up to 0.15 m may be permitted if the rock grade is within the excavated area. However all grade raises must be approved in writing by the Engineer prior to any grade changes. Standing water within the channel is not permitted.

The Contractor will only be permitted to blast between 8:00 am and 6:00 pm.

The following utilities and agencies shall be notified at least 72 hours prior to blasting. Additional requirements as described in OPSS 120 shall be followed.

- City of Kawartha Lakes
- Hydro One
- Bell Canada

The Contractor, through the services of a Blasting Consultant, shall monitor the vibration levels at the closest building and/or service to the blast site during each blast. The monitoring equipment shall meet the requirements of the Pre-Condition Survey and Vibration Monitoring.

The Contract must also meet all conditions of the applicable utility companies.

The following will apply when excessive vibration readings are measured:

Should any two (2) consecutive readings fall between 50 and 80 mm/s PPV, the Blasting Contractor shall cease all further blast hole loading other than those required for a 'third' reading. Should this third reading be below 50 mm/s PPV, the loading of the blast holes may continue. Should the third reading be in excess of 50 mm/s PPV, the Blasting Contractor shall cease all blasting in the area and move to a new area and continue blasting. The Blasting Contractor shall then submit a revised loading pattern as approved by the Blasting Consultant to the Contract Administrator for the area where blasting was discontinued.

Should any one (1) reading be in excess of 80 mm/s PPV, the Blasting Contractor shall cease all further blast hole loading other than those required for one subsequent reading. Should this reading fall below 50 mm/s PPV, blasting may continue. Should this reading be in excess of 50 mm/s PPV, the Blasting Contractor shall cease all blasting in the area and move to a new area and continue blasting. The Blasting Contractor shall then submit a revised loading pattern as approved by the Blasting Consultant to the Contract Administrator for the area where blasting was discontinued.

After blasting, the Blasting Contractor must perform a site condition survey of buildings and services to determine if any damage has resulted upon completion of blasting or immediately

following the receipt of a complaint. Any damage must be reported in writing immediately to the Contract Administrator.

A blast report summarizing the results of the vibration and air blast levels shall be submitted to the Contract Administrator at the end of each work day in which blasting is carried out. Copies of the seismic records shall be made available if requested.

12. Installation of Road Crossings

The Contractor shall supply, install, and backfill aluminized corrugated steel pipe with a minimum wall thickness of 2.8 mm in all cases. All corrugation profiles shall be of helical lockseam manufacture using 68 x 13 mm corrugations for 1600 mm dia. pipe and smaller and 125 x 25 mm corrugations for 1800 mm dia. pipe and larger. Pipe with 125 x 25 mm corrugations shall be used if 68 x 13 mm corrugations are not available. Future culvert replacements shall be to the same specifications.

The proposed culverts shall be installed in the same general location as the existing culverts. The location of the culvert may be moved a short distance if approved by the Engineer or Drainage Superintendent in writing.

The bottom of the excavation for both the culvert and tile shall be excavated to the required depth with any over excavation backfilled with granular material or 19mm clear stone. When the culvert has been installed to the proper grade and depth, the excavation shall be backfilled with granular or 19mm clear stone from the bottom of the excavation to the springline of the pipe. Care shall be taken to ensure that the backfill on either side of the culvert does not differ by more than 300 mm so that the pipe is not displaced. Within the road allowance the pipe and culvert shall be backfilled from the springline to finished grade with compacted granular "B" material within 150 mm of finished grade. Granular B material shall be mechanically compacted to 98% modified standard proctor density. Outside the road allowance excavated material can be used. The top 150 mm of Granular "A" material shall be mechanically compacted to 100% modified standard proctor density. Payment for additional material shall be at the unit price specified in the Contract documents. Asphalt shall be HL4 and have a minimum thickness of 50 mm and shall match the existing road.

It is the Contractors responsibility to locate and expose any utilities prior to the installation of any culvert or tile. If there is a conflict with the tile elevation, the Contractor is required to notify the Engineer.

Rip rap ends are to be used with 1.5:1 side slopes. The rip rap shall consist of 100 mm x 250 mm quarry stone or approved equal. The area to receive the rip rap shall be graded to a depth of 400 mm below finished grade. Filter fabric (Terrafix 270R or approved equal) shall then

be placed with any joints overlapped a minimum 600 mm. The quarry stone shall then be placed with the smaller pieces placed in the gaps and voids to give it a uniform appearance.

If concrete blocks are used, the culvert shall be shortened to accommodate the difference in length. The concrete blocks shall have dimensions of approx. 600 mm x 600 mm x 1200 mm, 600 mm x 600 mm x 2400 mm or 300 mm x 600 mm x 1200 mm as required. The top of the culvert shall govern block elevation. The correct block shall be set with the top of the block equal to the top of the culvert. The blocks shall be set at each end of the culvert so that each row of blocks will be offset approx. 100 mm from the row below. The bottom row shall consist of one block placed parallel to the culvert. The blocks shall be imbedded a minimum of 300 mm into each bank and shall extend into the drain bottom to match the pipe invert or below.

The blocks shall be placed over a layer of filter fabric (Terrafix 270R or approved equal). The culvert shall be backfilled in conjunction with the placement of the blocks. The gaps between the culvert and the blocks shall be filled with concrete cinder blocks/bricks and mortar to give the endwall a finished appearance.

Restoration shall occur in accordance with Specification 16.

13. Subsurface Drainage

The landowners are responsible to mark all tile outlets entering the drain. The landowner is responsible for all costs to maintain private tile outlets. Any washouts along the channel banks caused by surface or subsurface water entering the channel through private facilities shall be repaired at the direction of the Drainage Superintendent with the costs assessed to the benefiting landowner.

Tile ends shall be repaired with equivalent sized non perforated HDPE agricultural tubing with a manufactured coupling and rodent grate. In the case of concrete or clay tile, the tile end shall be excavated into the bank a minimum of 3 metres. Any washouts from surface water or at tile ends shall be repaired with rip rap (100 mm x 250 mm quarry stone or gabion stone) and filter fabric (Terrafix 270R or approved equal).

The area to receive rip rap shall be graded to a minimum depth of 300 mm. If the washout is greater than 300 mm then excavated or fill material shall be placed to sub-grade. The filter fabric shall then be placed with any joints overlapped a minimum of 600 mm. The rip rap shall then be placed to a depth of 300 mm and from the base of the side slope to the top of the bank with the smaller pieces being placed in the gaps and voids to give it a uniform appearance. The area to receive rip rap shall be graded and the rip rap placed to allow any surface water directed to this area to be allowed to enter the channel over the rip rap. The rip

rap shall generally be keyed to a depth of 600 mm at the top of the bank. Any native material that has washed into the channel shall be removed and spread on the adjacent property.

There are no known sub-surface drains entering the channel.

14. Outlet Works

When light duty silt fencing has been specified it shall be constructed immediately downstream of any outlet works for the duration of construction.

The light duty silt fencing shall be supplied and installed in accordance with OPSS 577 and OPSD 219.110. The light duty silt fencing shall be removed once the disturbed area has been revegetated.

15. Fencing

The Contractor shall remove any cross fences necessary to carry out construction operations. Upon completion of the work, the fences shall be reconstructed using existing materials.

16. Restoration

Road restoration shall be in accordance with the following:

- Excavation in accordance with OPSS 206.
- Compaction in accordance with OPSS 501 (Prov.).
- 150 mm of Granular 'A' and 300 mm of Granular 'B'. Granular in accordance with OPSS 1010.
- Disturbed areas within the road right-of-way shall be restored in accordance with the contract drawings and include roadside ditching, 100 mm of native topsoil and seed. Topsoil in accordance with OPSS 802. Seed in accordance with OPSS 804.

Seeding Application rates are as follows:

- Primary seed (85 kg/ha.) consisting of 50% red fescue, 40% perennial ryegrass and 5% white clover.
- Nurse crop consisting of Italian (annual) ryegrass at 25% of total weight.
- Fertilizer (300 kg/ha.) consisting of 8-32-16.

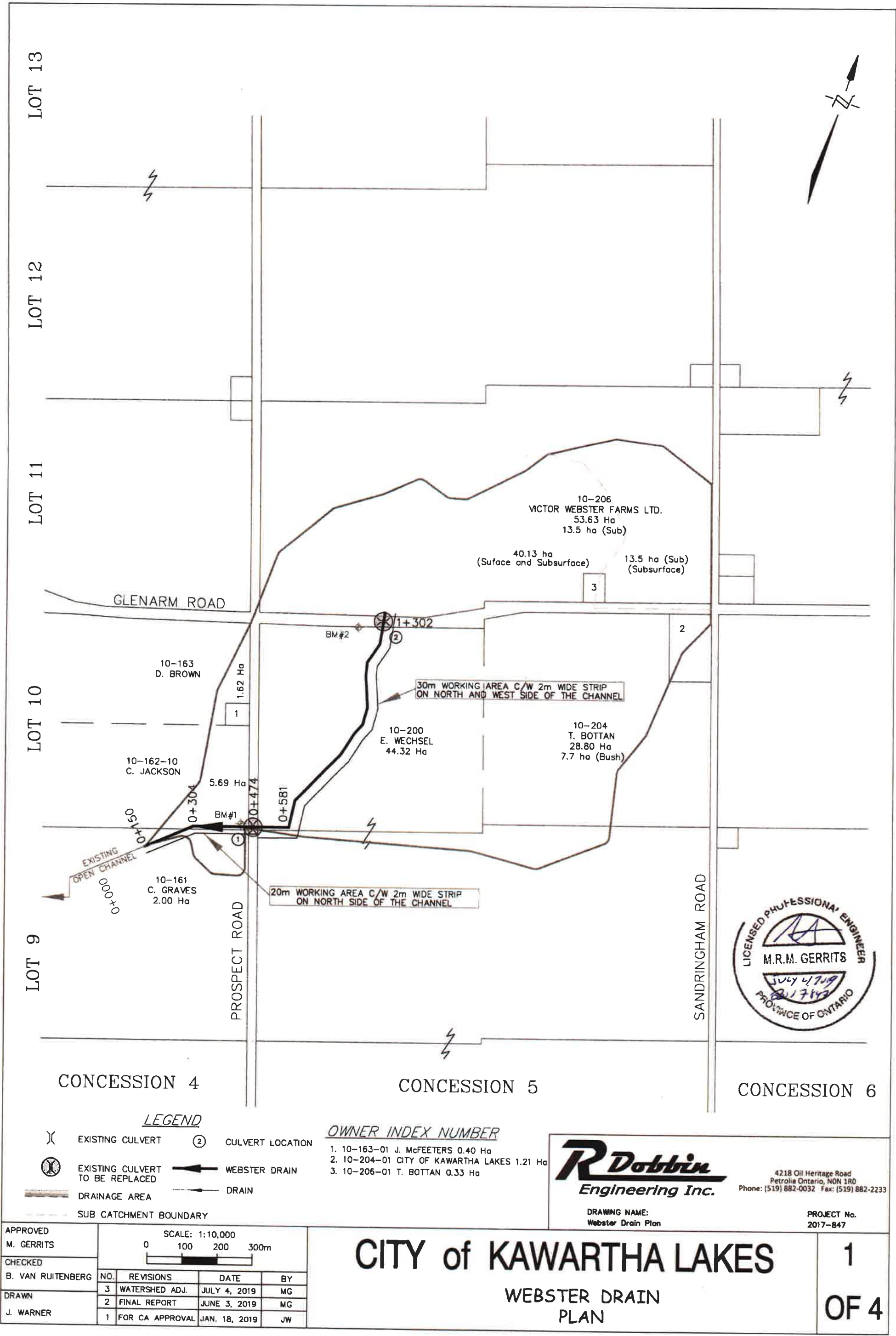
17. Environmental Considerations

The Contractor shall take care to adhere to the following considerations.

- All activities, including maintenance procedures, shall be controlled to prevent the entry of petroleum products, debris, rubble, concrete, or other deleterious substances into the water. Vehicle and equipment refuelling and maintenance shall be conducted away from the channel, any surface water runs, or open inlets. All waste materials shall be stockpiled well back from the top of the bank and all surface water runs and open inlets that enter the drain.
- The Contractor shall install a silt fence downstream of the work area. The silt fence shall consist of filter fabric or manufactured silt fence supported with posts. The silt fence shall be removed once all construction is completed.
- The Contractor shall maintain a dry working area during construction.
- All construction in the channel shall be carried out during periods of low flow.

18. Miscellaneous

When crossing utilities the Contractor is responsible to co-ordinate construction with the affected companies and complete construction in accordance with the affected company requirements.



LEGEND

- EXISTING CULVERT
- EXISTING CULVERT TO BE REPLACED
- DRAINAGE AREA
- SUB CATCHMENT BOUNDARY
- CULVERT LOCATION
- WEBSTER DRAIN
- DRAIN

OWNER INDEX NUMBER

- 1. 10-163-01 J. McFEETERS 0.40 Ha
- 2. 10-204-01 CITY OF KAWARTHA LAKES 1.21 Ha
- 3. 10-206-01 T. BOTTAN 0.33 Ha



4218 Oil Heritage Road
Petroliu Ontario, N0N 1R0
Phone: (519) 882-0032 Fax: (519) 882-2233

DRAWING NAME:
Webster Drain Plan

PROJECT No.
2017-847

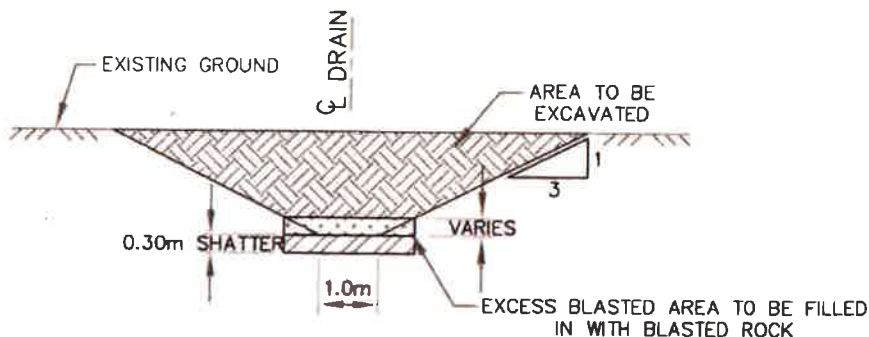
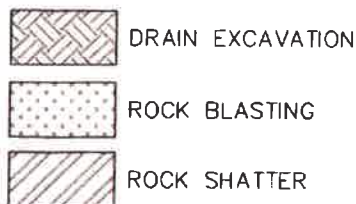
APPROVED M. GERRITS	SCALE: 1:10,000 0 100 200 300m			
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DRAWN J. WARNER	3	WATERSHED ADJ.	JULY 4, 2019	MG
	2	FINAL REPORT	JUNE 3, 2019	MG
	1	FOR CA APPROVAL	JAN. 18, 2019	JW

CITY of KAWARTHA LAKES
WEBSTER DRAIN
PLAN

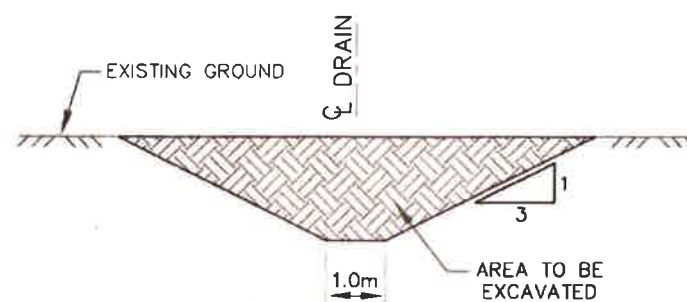
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OF 4

GENERAL NOTES

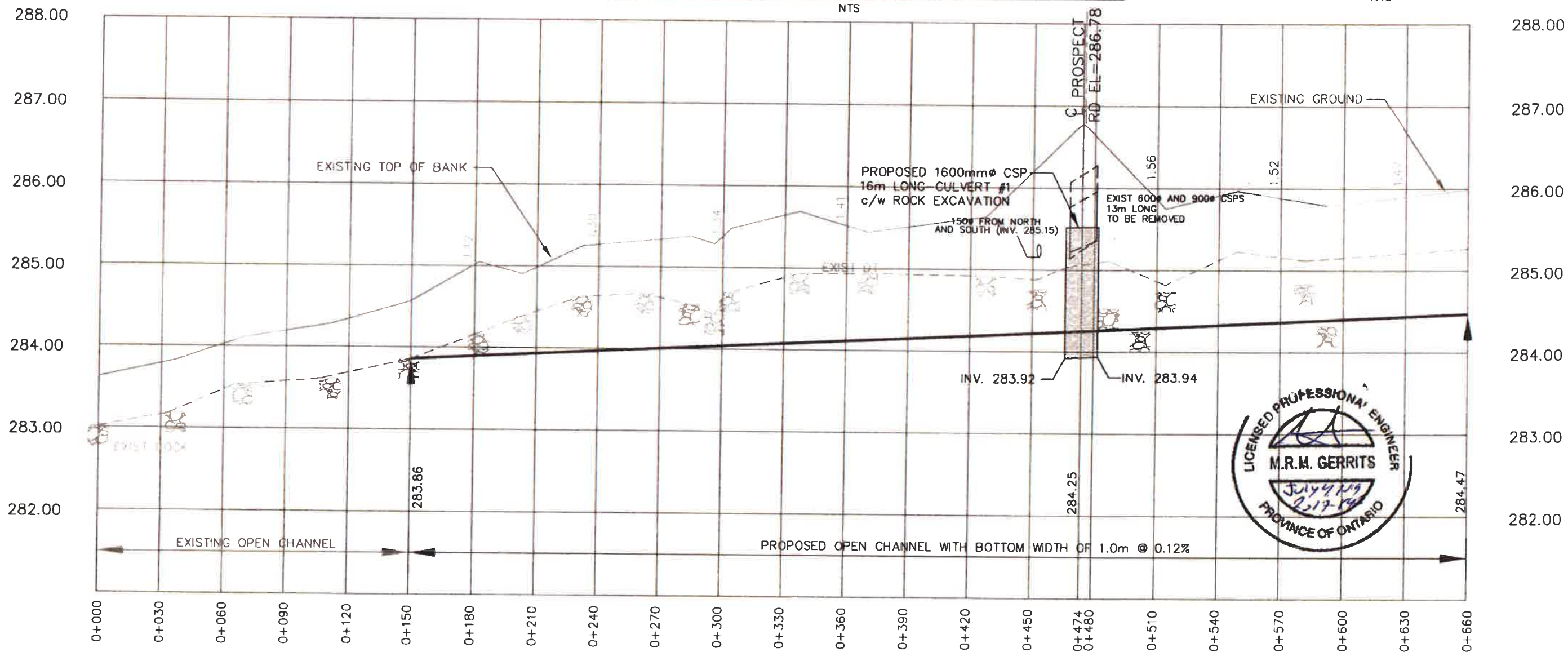
1. BENCHMARK No.1 ELEV. 286.07
TOP WEST END OF EXISTING 900mmØ
CSP, STATION 0+474
2. UPPER NUMBERS ARE DEPTH FROM GROUND/
TOP OF BANK TO BOTTOM OF NEW CHANNEL.



TYPICAL DRAIN CROSS SECTION IN EARTH AND ROCK
NTS



TYPICAL DRAIN CROSS SECTION IN EARTH
NTS



R Dobbin
Engineering Inc.

4218 Oil Heritage Road
Petrolia Ontario, N0N 1R0
Phone: (519) 882-0032 Fax: (519) 882-2233

DRAWING NAME:
Webster Drain Profile 1

PROJECT No.
2017-847

APPROVED
M. GERRITS

CHECKED
B. VAN RUITENBURG

DRAWN
J. WARNER

NO.	REVISIONS	DATE	BY
3	FINAL REPORT	JULY 4, 2019	MG
2	FINAL REPORT	JUNE 3, 2019	MG
1	FOR CA APPROVAL	JAN. 18, 2019	JW

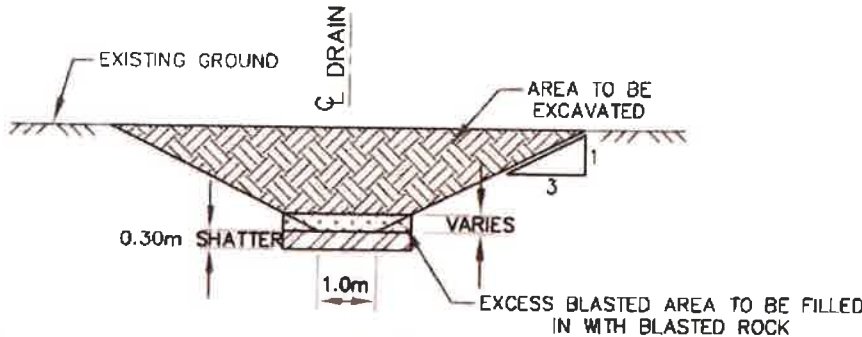
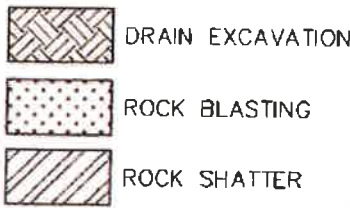
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0 20 40 60m

CITY of KAWARTHA LAKES
WEBSTER DRAIN
PROFILE

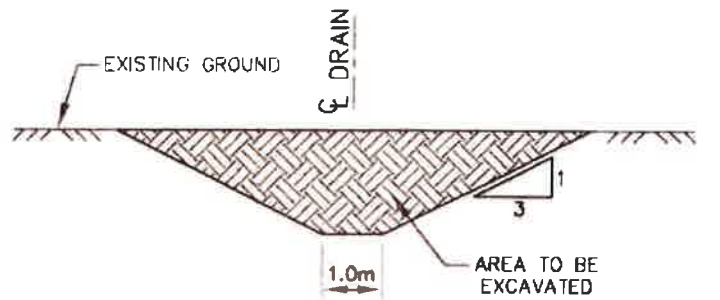
2
OF 4

GENERAL NOTES

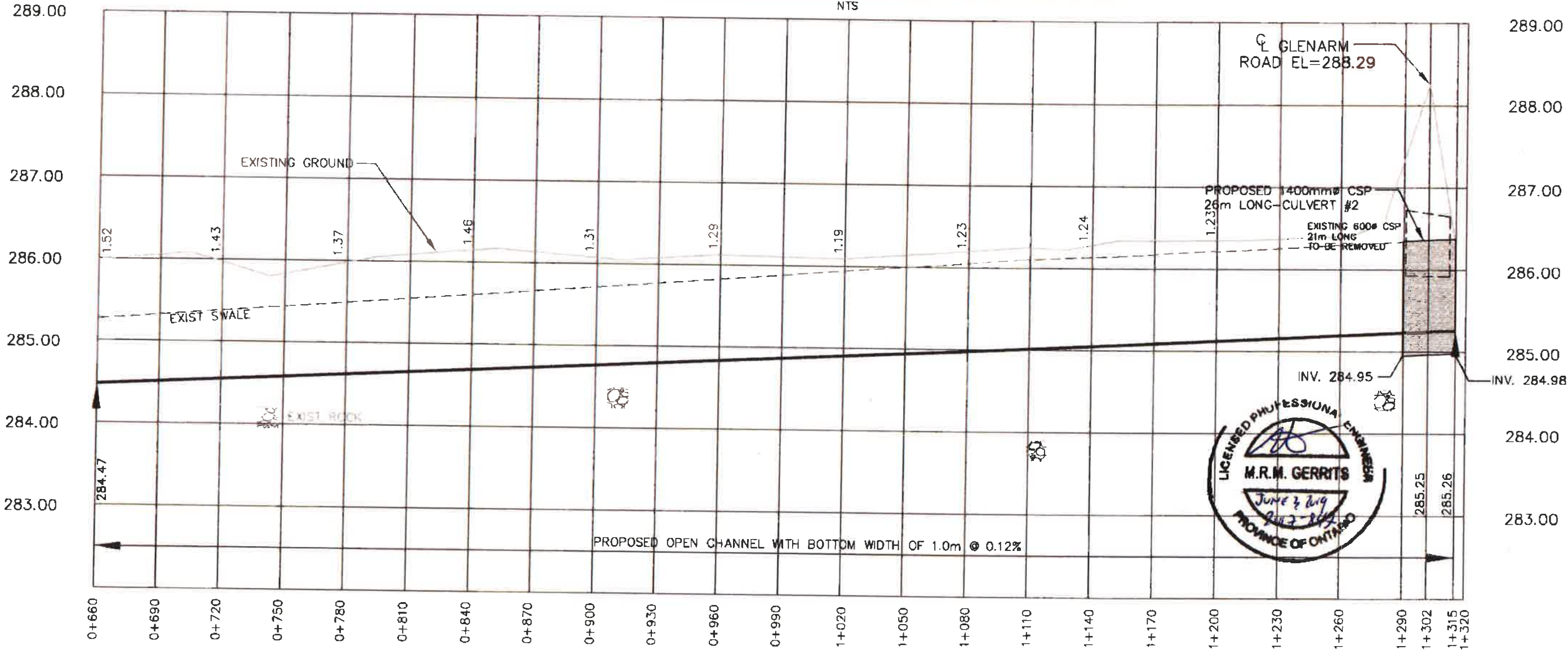
1. BENCHMARK No.2 FLEV. 287.57
TOP OF NAIL ON HYDRO POLE ON THE SOUTH SIDE
OF GLENARM ROAD APPROXIMATELY 75m WEST
OF PROPOSED DRAINAGE WORKS (STA. 1+291)
2. UPPER NUMBERS ARE DEPTH FROM
GROUND TO BOTTOM OF NEW CHANNEL.



TYPICAL DRAIN CROSS SECTION IN EARTH AND ROCK
NTS



TYPICAL DRAIN CROSS SECTION IN EARTH
NTS



R Dobbin
Engineering Inc.

4218 Oil Heritage Road
Petrolia Ontario, N0N 1R0
Phone: (519) 882-0032 Fax: (519) 882-2233

DRAWING NAME:
Webster Drain Profile 2

PROJECT No.
2017-847

APPROVED
M. GERRITS

CHECKED
B. VAN RUITENBURG

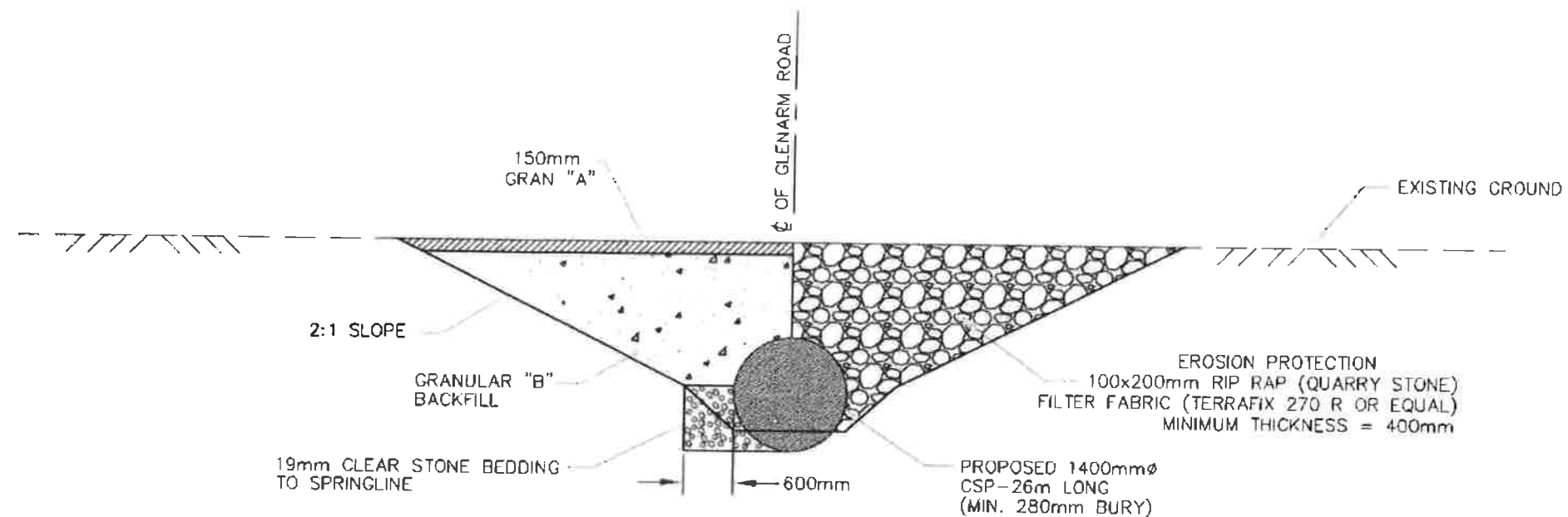
DRAWN
J. WARNER

NO.	REVISIONS	DATE	BY
2	FINAL REPORT	JUNE 3, 2019	MG
1	FOR CA APPROVAL	JAN. 18, 2019	JW

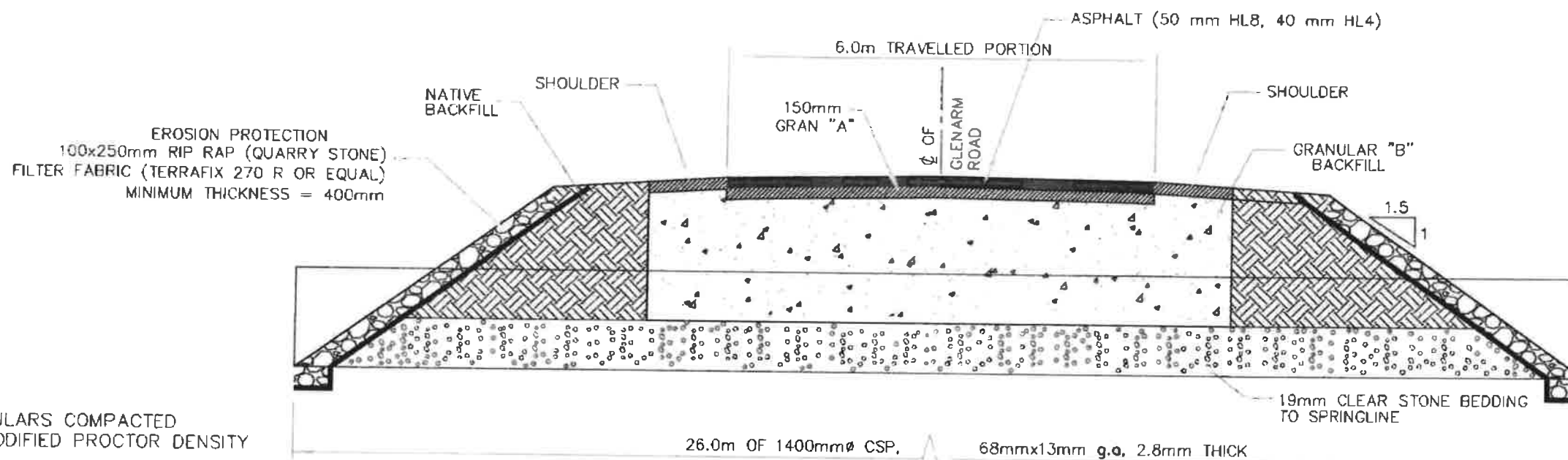
SCALE: 1:2,000
0 20 40 60m

CITY of KAWARTHA LAKES
WEBSTER DRAIN
PROFILE

3
OF 4



PROPOSED PIPE END SECTION
CULVERT #2
 (NON TRAVELLED PORTION)



NOTE:

1. ALL GRANULARS COMPACTED TO 98% MODIFIED PROCTOR DENSITY
2. INVERTS TO BE CONFIRMED AT TIME OF CONSTRUCTION
3. CULVERT #1 DOES NOT REQUIRE ASPHALT LIFT.

PROPOSED CROSS-SECTION
CULVERT #2



R Dobbin
Engineering Inc.

4218 Oil Heritage Road
 Petrolia Ontario, N0N 1R0
 Phone: (519) 882-0032 Fax: (519) 882-2233

DRAWING NAME:
 Webster Drain Culvert Detail

PROJECT No.
 2017-847

APPROVED	NO.	REVISIONS	DATE	BY
R. DOBBIN	2	FINAL REPORT	MAY 8, 2019	MC
CHECKED	1	FOR CA APPROVAL	JAN. 18, 2018	JW
B. VAN RUITENBURG				
DRAWN				
J. WARNER				

SCALE 1:75
 0 2m

CITY of KAWARTHA LAKES
WEBSTER DRAIN
ROAD CULVERT DETAIL

4
OF 4

The Corporation of the City of Kawartha Lakes

By-law 2019-110

A By-law to provide for Drainage Works in the City of Kawartha Lakes to be known as the Webster Municipal Drain

Recitals

1. The Council of the City of Kawartha Lakes has procured a report under section 4 of the Drainage Act for the new construction of the Webster Municipal Drain
2. The Council of the City of Kawartha Lakes received a report made by R. Dobbin Engineering Inc. dated June 3, 2019, and subsequently amended on July 5, 2019 (the "Report").
3. The engineer's report includes the deepening of an existing channel and the excavation of a new channel to be incorporated as the Webster Drain from the Part of L9, Concession 4, through the S1/2 of L10, Concession 4, through the W1/2 of L10, Concession 5 to its top end at the S Pt of L11, Concession 5 in the former township of Eldon in the City of Kawartha Lakes, providing for a legal subsurface outlet for drainage.
4. The estimated total cost of constructing the drainage works is \$271,850.00
5. \$92,502.00 is the amount to be contributed by the City of Kawartha Lakes for the drainage works.
6. At the conclusion of the Drainage Board Meeting held on July 2, 2019 to consider the Webster Municipal Drain Report, the petition for drainage works remained valid.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-110 pursuant to the Drainage Act.

Authorization

1. The report is adopted and the drainage works described in it are authorized. These works shall be completed in accordance with the Report, attached as Schedule A.

Borrowing

2. The City of Kawartha Lakes may borrow on the City's credit the amount of \$271,850.00, which is the amount necessary for the construction of the drainage works.
3. A special rate shall be levied upon lands and roads as set forth in the assessment schedules included as part of Schedule A to this By-law, less the total amount of:

- a. grants to the agricultural lands under Section 85 of the Act, where applicable; and
 - b. allowances granted under Section 29 to 33 of the Act, where applicable. The special rate shall become due and payable as a single cash payment within 30 days of the invoicing of it by the City, or if single cash payment has not been made within 30 days of the invoicing, then the amount shall be levied upon the lands and roads as set forth in Schedules A to D to this By-law and collected in the same manner and at the same time as other taxes are collected; and
 - c. If requested in writing, the Corporation of the City of Kawartha Lakes may arrange for the issue of debentures as stipulated in Council Policy CP2017-004 that is in effect at the time of the passing of the actual cost by-law.
4. For paying the amount of \$92,502.00 which is the amount assessed upon lands and roads belonging to or controlled by the municipality, a special rate sufficient to pay the amount assessed, plus interest, shall be levied upon the whole rateable property within the City of Kawartha Lakes and shall be collected as a single cash payment.
 5. This By-law shall come into force on the passing thereof and may be cited as the "Webster Municipal Drain By-law".

By-law read a first and second time on the 16th day of July, 2019 and provisionally adopted.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

By-law read a third time on the 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk



Schedule A to By-law
2019-110.pdf

June 3, 2019

Revised Report Accepted by the Court of Revision

The City of Kawartha Lakes
26 Francis Street
Lindsay, ON
K9V 5R8

Mayor, Council and Drainage Board:

Re: Webster Drain

In accordance with your instructions, I have undertaken an examination of Part of Lot 11, Concession 5, and Part of Lot 10, Concession 5 with regards to providing the lots with a legal outlet for subsurface water generated on the properties.

The Lake Simcoe Regional Conservation Authority has approved the May 8, 2019 design of the Webster Drain. The design presented in this report is the same design that has been approved.

Summary of Work

The work includes the following:

- Prepare an Engineers Report under the Drainage Act to address the petitions (2).
- Replace the Glenarm Road centreline culvert.
- Replace the Prospect Road centreline culvert.
- Construct an open channel across the W1/2 of Lot 10, Concession 5 and complete a ditch cleanout and deepening for 310m west of Prospect Road on the S1/2 of Lot 10, Concession 4 and Lot 9, Concession 4.
- Allowances have been made to Pt. Lot 11 and W1/2 L Lot 10, Concession 5 and to S1/2 L Lot 10 and Lot 9, Concession 4.
- The estimated costs are estimated to be \$271,850 which includes engineering, tendering and an allowance for inspection.

Authorization under the Drainage Act

The City of Kawartha Lakes received two petitions for drainage, one on September 13, 2017 from Victor Webster Farms Ltd and a second petition from Ella Wechsel on July 12, 2018. This Engineers Report has been prepared under Section 4 of the Drainage Act as per the petitions received by the City of Kawartha Lakes. Section 4 (1) of the Drainage Act states:

A petition for the drainage by means of a drainage works of an area requiring drainage as described in the petition may be filed with the Clerk of the local Municipality in which the area is situate by,

- (a) the majority in number of the Owners, as shown by the last revised assessment roll of lands in the area, including the Owners of any roads in the area;
- (b) the Owner or Owners, as shown by the last revised assessment roll, of lands in the area representing at least 60 per cent of the hectarage in the area;
- (c) where a drainage works is required for a road or part thereof, the engineer, road superintendent or person having jurisdiction over such road or part, despite subsection 61(5);
- (d) where a drainage works is required for the drainage of lands used for agricultural purposes, the Director. R.S.O. 1990, c.D.17, s.4(1).

The petitions were determined to be valid based on Section 4 (1) (b).

Existing Conditions

There exists an open channel in Lot 9, Concession 4 that extends in a north-easterly direction to the east edge of the S1/2 Lot 10, Concession 4. It then extends in a north-easterly direction 820m to its head in the W1/2 Lot 10, Concession 5.

North of the open channel exists a small surface course that crosses Glenarm Road, approximately 360m east of Prospect Road.

At the time of site visits the lands east of the low run were cleared and appeared to be cropped. The clearing extended to the west of the low run.

The Lake Simcoe Region Conservation Authority provided mapping with the following information.

- The Lands in Lot 10, Concession 5 were labelled as wetland.
- The catchment area is located within a regulated area.
- The low run from Station 0+150 to 1+302 was considered a watercourse.
- The low run from Station 0+150 to 1+302 was considered a meanderbelt (erosion limit).

On Site Meetings

An onsite meeting was held on November 1, 2017. The following is a summary of the meeting:

- The City of Kawartha Lakes received a petition for outlet of sub-surface water on L11, Concession 5.
- The petition was determined to be valid.
- R. Dobbin Engineering will need to do a detailed topographic survey for the alignment and to determine the drainage area.

A second meeting was held on June 6, 2018. The purpose of the second meeting was to update the Landowners and answer any questions with respect to the alignment, grades and the length of works required for a sufficient outlet. After some discussion, some Landowners expressed an interest in signing a petition for drainage. The following is a summary of the subsequent meeting:

- The City of Kawartha Lakes received a petition for outlet of sub-surface water on L10, Concession 5.
- The petition was determined to be valid.
- R. Dobbin Engineering will need to do a detailed topographic survey for the alignment and to determine the drainage area.
- The Landowner of Part of Lot 11, Concession 5 and the Landowner of the W1/2 of Lot 10, Concession 5 were contacted separately by telephone to discuss the petition.

Recommendations

Based on our knowledge of the drain and discussions at the November 1, 2017 and June 6, 2018, meetings it is therefore recommended that the following work be carried out:

1. A new drain called the Webster Drain will be constructed following the existing lowlands to provide an outlet for surface and subsurface water in Part of Lot 11, Concession 5.

Design

The proposed open channel drain shall be designed to accommodate a drainage coefficient of 37 mm/24 hours. This is generally acceptable for lands used for cash crops with provisions for surface water. Open channel design criteria includes an assumed minimum tile depth of 600mm plus diameter of tile and a minimum 100 mm freeboard to the design flow elevation.

Culvert design criteria includes rural road crossing be designed to accommodate the 1 in 10 year storm event and County roads be designed to accommodate the 1 in 25 year storm event.

The design has included an open channel rather than a closed tile. This will maintain the general overall drainage patterns in the area and maintain a surface flow route thorough the regulated area. The backslopes in earth cuts will be to 3H:1V to help minimize bank erosion.

The drain's alignment includes a section of land that is regulated by the Lake Simcoe Regional Conservation Authority. Prior to submitting the report a meeting was held with the Lake Simcoe Regional Conservation Authority to review the design to ensure a permit would be provided by the Lake Simcoe Regional Conservation Authority. At the request of the Lake Simcoe Regional Conservation Authority the working areas were added to the overall plan. Standard erosion and sediment control measures have been implemented into the design. The Lake Simcoe Regional Conservation Authority has confirmed a permit will be issued once the Court of Revisions appeal period has ended and if applicable, when the Tribunal appeal period has ended.

Estimate of Cost

It is recommended that the work be carried out in accordance with the accompanying Specification of Work and Profile that forms part of this Report. There has been prepared an Estimate of Cost in the amount of \$271,850, including engineering of the report, attending the Meeting to Consider the Report, attending the Court of Revision, preparing a tender document for distribution by the City of Kawartha Lakes and an allowance for inspection. Appearances before appeal bodies have not been included in this cost estimate.

A plan has been prepared showing the location of the work and the approximate drainage area. A profile is included showing the depths and grades of the proposed work.

Assessment

As per Section 21 of the Drainage Act, the Engineer in his report shall assess for benefit and outlet for each parcel of land and road liable for assessment.

Lands, roads, buildings, utilities, or other structures that are increased in value or are more easily maintained as a result of the construction, improvement, maintenance, or repair of a drainage works may be assessed for benefit. (Section 22)

Lands and roads that use a drainage works as an outlet, or for which, when the drainage works is constructed or improved, an improved outlet is provided either directly or indirectly through the medium of any other drainage works or of a swale, ravine, creek, or watercourse may be assessed for outlet. The assessment for outlet shall be based on the volume and rate of flow of the water artificially caused to flow into the drainage works from the lands and roads liable for such assessments. (Section 23)

The Engineer may assess for special benefit any lands for which special benefits have been provided by the drainage works. (Section 24)

A Schedule of Assessment for the lands and roads affected by the work and therefore liable for the cost thereof will be prepared as per the Drainage Act. Also, assessments may be made against any public utility or road authority, as per Section 26 of the Drainage Act, for any increased cost for the removal or relocation of any of its facilities and plant that may be necessitated by the construction or maintenance of the drainage works. Items to be assessed under Section 26 shall be the actual cost plus a portion of the engineering (25% of the cost).

The cost of any approvals, permits or any extra work, beyond that specified in this report that is required by any utility, conservation authority, government ministry or organization (federal or provincial), or road authority shall be assessed to that organization requiring the permit, approval, or extra work.

The estimated cost of the drainage works has been assessed in the following manner:

1. The costs of the Glenarm Road road crossing have generally been assessed with 95% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
2. The costs of the Prospect Road road crossing have generally been assessed with 73% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
3. The Landowner of the W1/2 of L10, Concession 5 has agreed to compensation in lieu of an access culvert. 50% of the estimated cost of the access culvert has been assessed as an outlet assessment on upstream lands based on equivalent hectares.
4. The remaining cost of the drainage works have been assessed with approx. 60% of the estimated cost assessed as a benefit assessment and the remainder assessed as outlet assessment to the upstream properties based on equivalent hectares.

Agricultural Grant

It is recommended that application for subsidy be made for eligible agricultural properties. Any assessments against non-agricultural properties are shown separately in the Schedule of Assessment.

Access and Working Area

Access to the worksite and the working area shall generally be from Glenarm Road, Prospect Road and along the drainage works.

The working area between station 0+150 and Prospect Road shall be from the north side of the existing channel and shall extend 20 metres from the top of bank with a 2 m wide strip on the southerly side.

The working area between Prospect Road and Glenarm Road shall be from the east side of the proposed channel and the south side of the existing and shall extend 30 metres east or south from the top of bank with a 2 m wide strip on the northerly and westerly sides.

Allowances

Under Section 29 of the Drainage Act, the Engineer in the report shall estimate and allow in money to the Owner of any land that it is necessary to use for the construction or improvement of a drainage works or for the disposal of material removed from drainage works. This shall be considered an allowance for right-of-way.

Under Section 30 of the Drainage Act, the Engineer shall determine the amount to be paid to persons entitled thereto for damage, if any, to ornamental trees, lawns, fences, land and crops occasioned by the disposal of material removed from a drainage works. This shall be considered an allowance for damages. Section 30 allowances for drain replacement will be paid at the crop rate regardless of the land use.

Under Section 33 of the Drainage Act, the Engineer can provide and allowance for loss of access to an Owner instead of providing for the construction of an access.

Allowances for right-of-way are based on a land value of \$12,350.00 per hectare. Allowances for crop loss are based on \$1,500.00 per hectare for the first year and \$750.00 for the second year (total \$2,250.00 per hectare). Allowances for loss of access are \$5,280.00 and are based on 50% of the cost of the required access.

Restrictions

No trees may be planted within the working area. If trees must be removed because they interfere with the drainage work or with access or other maintenance activities, they shall be removed at the expense of the Landowner. Permanent structures are not to be erected within 10 metres of either side of the drainage works.

Attention is also drawn to Sections 80 and 82 of the Drainage Act, which refer to the removal of obstructions in a drain and damage caused to a drain.

Existing Private Drainage

All existing subsurface drainage encountered during the construction of the proposed drains shall be reconnected to the proposed open channel.

Maintenance

Upon completion of the work, the drainage works shall be maintained as per the Schedule of Maintenance unless otherwise altered under provisions of the Drainage Act or as outlined below.

- The costs of the Glenarm Road road crossing shall be maintained with 95% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
- The costs of the Prospect Road road crossing shall be maintained with 73% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
- The channel shall be maintained as per the specifications and to the depths and grades as shown on the drawings contained in this Engineers Report.
- If the lands ending Area Roll Number 10-204 complete tree removal of the forested area at the south portion of the property the property shall be assessed \$292. The assessment shall be retained by the City of Kawartha Lakes until maintenance is completed on the drain at which time the costs will be a credit to the maintenance cost.

All of the above is submitted for your consideration.

Yours truly,

Michael Gerrits, P. Eng.
R. Dobbin Engineering Inc.

City of Kawartha Lakes
 Webster Drain
 June 3, 2019

ALLOWANCES

Allowances have been made as per Sections 29, 30 & 33 of the Drainage Act for damages to lands and crops and loss of access.

Conc.	Lot or part	Roll No.	Owner	Section 29	Section 30	Section 33	Total
4	N 1/2 Lot 9	10-161	R. Graves	3,800	690	-	4,490
	S 1/2 Lot 10	10-162-10	C. Jackson	4,450	810	-	5,260
5	W 1/2 Lot 10	10-200	E. Wechsel	20,400	3,720	5,280	29,400
	Pt Lot 11	10-206	Victor Webster Farms Ltd.	-	200	-	200
TOTAL ALLOWANCES				\$ 28,650	\$ 5,420	\$ 5,280	\$ 39,350

Estimate of Cost

Allowances:					39,350
	<u>Quantity</u>	<u>Unit</u>	<u>Material</u>	<u>Labour</u>	
Brushing	0.11	Ha	-	1,120	1,120
Excavation of Drain	3036	cu.m	-	22,770	22,770
Levelling of Excavated Material	1120	m	-	5,600	5,600
Rock Excavation c/w Shatter & Vibration Monitoring	649	cu.m	-	63,300	63,300
Prospect Road					
Remove Existing 600ø & 900mmø CSPs	2	ea	-	960	
1600mmø CSP (Open Cut)	18	m	7,620	1,600	
Bedding Material	74	t	1,480	640	
Granular "B"	82	t	820	640	
Place Backfill	60	t	-	640	
Granular "A"	30	t	600	320	
Rip Rap Culvert Inlet and Outlet	30	sq.m	1,500	1,500	
Fence Removal and Reconstrection	40	m	200	960	
Traffic Control	1	LS	450	400	
Restoration	1	LS	600	500	
			13,270	8,160	21,430
Glenarm Road					
Remove Existing 600mmø CSP	1	ea	-	640	
1400mmø CSP (Open Cut)	26	m	9,210	2,240	
Bedding Material	100	t	2,000	960	
Granular "B"	154	t	1,540	1,280	
Place Backfill	150	t	-	640	
Granular "A"	42	t	840	480	
Rip Rap Endwall	45	sq.m	2,250	2,250	
Traffic Control	1	LS	600	1,200	
90 mm Asphalt (50mm HL8 & 40 mm HL4)	80	sq.m	2,400	720	
Fence Removal and Reconstrection	20	m	100	480	
Restoration	1	LS	600	500	
			19,540	11,390	30,930
Silt Fence	1	ea	250	-	250
Miscellaneous					13,610
Sub Total					198,360
Engineering					48,740
Tendering					2,500
Conservation Review Fee					470
Inspection Allowance (Estimate)					21,780
Total Estimate					\$271,850

SCHEDULE OF MAINTENANCE
(Accepted by the Court of Revision)

For Maintenance of the open channel portion of the drain from Station 0+150 to Station 1+302.
Road crossings will be maintained as per the Engineers Report.

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Benefit	Outlet	Total	Equivalent Ha.
Agricultural Land								
4	N 1/2 Lot 9	2.0	10-161	R. Graves	332	1	333	2.0
	S 1/2 Lot 10	5.7	10-162-10	C. Jackson	255	29	284	5.7
	Pt N 1/2 Lot 10	1.6	10-163	D. Brown	-	12	12	1.6
5	W 1/2 Lot 10	44.3	10-200	E. Wechsel	2,484	325	2,809	44.3
	Pt E 1/2 Lot 10	28.8*	10-204	T. Bottan	-	328	328	25.2
	Pt Lot 11	53.6**	10-206	Victor Webster Farms Ltd.	255	1,280	1,535	46.9
					3,326	1,975	5,301	
					Total Benefit	3,326		
					Total Outlet	1,975		
					Total - Agricultural	5,301		
Non-Agricultural Lands								
4	Pt N 1/2 Lot 10	0.4	10-163-01	J. McFeeters	-	3	3	0.4
	Pt. Lot 11	0.3	10-206-01	T. Bottan	-	17	17	0.7
					-	20	20	
					Total Benefit	-		
					Total Outlet	20		
					Total - Non-Agricultural	20		

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Benefit	Outlet	Total	Equivalent Ha.
Public Lands								
5	Pt E 1/2 Lot 10	1.2	10-204-01	City of Kawartha Lakes	-	96	96	3.6
	Prospect Road	1.8		City of Kawartha Lakes	-	15	15	5.4
	Glenarm Road	4.1		City of Kawartha Lakes	-	428	428	16.2
					-	539	539	
				Total Benefit	-			
				Total Outlet		539		
				Total - Public Lands		539		
				Total - Public Lands		539		
				Total Non-Agricultural Lands		20		
				Total Agricultural Lands		5,301		
				Total Assessment	\$	5,860		

NOTE - * Pt E1/2 Lot 10, Concession 5 (ARN 10-204) has 7.7 ha of Bush)

- ** Pt Lot 11, Concession 5 (ARN 10-206) 13.5 ha of Subsurface Water)

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Special Benefit	Benefit	Outlet	Total	Equivalent Ha.
Public Lands									
5	Pt E 1/2 Lot 10	1.2	10-204-01	City of Kawartha Lakes	-	-	2,900	2,900	3.6
	Prospect Road	1.8		City of Kawartha Lakes	28,436	-	1,128	29,564	5.4
	Glenarm Road	4.1		City of Kawartha Lakes	45,714	-	14,323	60,037	16.2
					<u>74,150</u>	-	18,352	92,502	
				Total Special Benefit	74,150				
				Total Benefit	-				
				Total Outlet	<u>18,352</u>				
				Total - Public Lands	92,502				
				Total - Public Lands	92,502				
				Total Non-Agricultural Lands	711				
				Total Agricultural Lands	<u>178,637</u>				
				Total Assessment	\$ 271,850				

NOTE - NET ASSESSMENTS = TOTAL ASSESSMENT LESS AVAILABLE GRANTS LESS ALLOWANCES

- * Pt E1/2 Lot 10, Concession 5 (ARN 10-204) has 7.7 ha of Bush)
- ** Pt Lot 11, Concession 5 (ARN 10-206) 13.5 ha of Subsurface Water)

SCHEDULE OF ASSESSMENT
(Accepted by the Court of Revision)

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Special Benefit	Benefit	Outlet	Total	Equivalent Ha.
Agricultural Land									
4	N 1/2 Lot 9	2.0	10-161	R. Graves	-	7,590	283	7,872	2.0
	S 1/2 Lot 10	5.7	10-162-10	C. Jackson	-	5,675	1,595	7,269	5.7
	Pt N 1/2 Lot 10	1.6	10-163	D. Brown	-	-	1,014	1,014	1.6
5	W 1/2 Lot 10	44.3	10-200	E. Wechsel	-	57,314	30,906	88,220	44.3
	Pt E 1/2 Lot 10	28.8*	10-204	T. Bottan	-	-	20,455	20,455	25.2
	Pt Lot 11	53.6**	10-206	Victor Webster Farms Ltd.	-	5,675	48,133	53,807	46.9
					-	76,253	102,384	178,637	
				Total Special Benefit	-				
				Total Benefit	76,253				
				Total Outlet	102,384				
				Total - Agricultural	178,637				
Non-Agricultural Lands									
4	Pt N 1/2 Lot 10	0.4	10-163-01	J. McFeeters	-	-	250	250	0.4
	Pt. Lot 11	0.3	10-206-01	T. Bottan	-	-	461	461	0.5
					-	-	711	711	
				Total Special Benefit	-				
				Total Benefit	-				
				Total Outlet	711				
				Total - Non-Agricultural	711				

Webster Drain
City of Kawartha Lakes
June 3, 2019

SPECIFICATION OF WORK

1. Scope of Work

The work to be included in this specification includes the deepening of an existing channel and the excavation of a new channel to be incorporated as the Webster Drain from the Part of L9, Concession 4, through the S1/2 of L10, Concession 4, through the W1/2 of L10, Concession 5 to its top end at the S Pt of L11, Concession 5 in the City of Kawartha Lakes.

2. General

Each tenderer must inspect the site prior to submitting their tender and satisfy themselves by personal examination as to the local conditions that may be encountered during this project. The Contractor shall make allowance in their tender for any difficulties which he may encounter. Quantities or any information supplied by the Engineer is not guaranteed and is for reference only.

All work and materials shall be to the satisfaction of the Drainage Superintendent who may vary these specifications as to minor details but in no way decrease the proposed capacity of the drain.

The Contractor shall be responsible for the notification of all utilities prior to the start of construction.

Measurement for Payment Clauses has not been included in these specifications and will be part of the Construction document. If the Construction document has not identified Measurement for Payment Clauses, the Contractor must notify the City of Kawartha Lakes and request clarification 2 days prior to pricing the project.

3. Plans and Specifications

These specifications shall apply and be part of the Contract along with the General Specifications for Closed Drains and the General Specifications for Open Drains. This Specification of Work shall take precedence over all plans and general conditions pertaining to the Contract. The Contractor shall provide all labour, equipment, and supervision necessary to complete the work as shown in the Plans and described in these specifications.

Any work not described in these specifications shall be completed according to the Ontario Provincial Standard Specifications and Standard Drawings.

Any reference to the Owner contained in these Contract Documents shall refer to the City of Kawartha Lakes or the Engineer authorized by the City of Kawartha Lakes to act on its behalf.

4. Health and Safety

The Contractor at all times shall be responsible for health and safety on the worksite including ensuring that all employees wear suitable personal protective equipment including safety boots and hard hats.

When applicable the Contractor shall be responsible for traffic control as per the Ontario Traffic Manual Book 7 – Temporary Conditions (latest revision).

The Contractor shall be responsible to ensure that all procedures are followed under the Occupational Health and Safety Act to ensure that work sites are safe and that accidents are prevented. In the event of a serious or recurring problem, a notice of non-compliance will be issued. The Contractor will be responsible for reacting immediately to any deficiency and correcting any potential health and safety risk. Continuous disregard for any requirement of the Occupational Health and Safety Act could be cause for the issuance of a stop work order or even termination of the Contract.

The Contractor shall also ensure that only competent workers are employed onsite and that appropriate training and certification is supplied to all employees.

5. Workplace Safety and Insurance Board

The Contractor hereby certifies that all employees and officers working on the project are covered by benefits provided by the Contractor. The WSIB Clearance Certificate must be furnished prior to the execution of the Contract and updated every 90 days.

6. Benchmarks

The benchmarks are based on geodetic elevations. Elevations are available at the locations shown on the drawings. Where these elevations are on existing structures to be replaced, they shall be transferred by the Contractor prior to the removal of the culvert.

The Contractor is required to complete a benchmark loop prior to construction to verify the benchmarks. If discrepancies exist, the Contractor must notify the Drainage Superintendent and Engineer prior to completing any work.

7. Access and Working Area

Access to the worksite and the working area shall generally be from Glenarm Road, Prospect Road and along the drainage works.

The working area between station 0+150 and Prospect Road shall be from the north side of the existing channel and shall extend 20 metres from the top of bank with a 2 m wide strip on the southerly side.

The working area between Prospect Road and Glenarm Road shall be from the east side of the proposed channel and the south side of the existing and shall extend 30 metres east or south from the top of bank with a 2 m wide strip on the northerly and westerly sides.

8. Removal of Existing Culverts

The existing road culverts shall be removed in their entirety. The steel culvert shall be disposed offsite at the expense of the Contractor. Suitable backfill shall be stockpiled adjacent to the site for reuse during installation of the proposed culvert.

9. Brushing and Tree Removal

All brush, trees, woody vegetation, etc. shall be removed from the working area/allowance of the drain. Other brush and trees may be removed from the side the equipment is operating to allow access for the equipment. Trees and brush shall be removed in their entirety including stumps and piled and burnt by the Contractor. Trees and brush on the side slopes shall be close cut. A stump killer pesticide manufactured for the purpose shall be applied to stumps according to manufacturer's specifications.

Brush can be cut with a chainsaw. A mechanical tree shear mower can be used on brush smaller than 35 mm in diameter. The Contractor shall be responsible for obtaining all necessary burning permits.

Certain trees may be left in place at the direction of the Drainage Superintendent. Any trees to be salvaged by the individual landowners shall be removed by the landowners with all resulting brush and branches cleaned up prior to the start of construction. If the Contractor agrees to remove any trees and set them aside for a landowner, the landowner will be responsible for any cleanup as above.

10. Excavation of Channel

The proposed channel shall have a 1.0 m wide bottom and a minimum of 3:1 side slopes. In areas where there is exposed rock the side slopes can be increased to 1:1. The existing topsoil in the area of the excavation shall be stripped and stockpiled within the working area. The centre of the channel shall be in the same location as the existing channel.

The side slopes of the new channel shall be seeded as soon as the final grading is completed. The channel shall be excavated to the proper depth using a laser or similar approved device with a labourer onsite to ensure correctness of grade and to confirm location of tile ends.

Any spoils shall be levelled within the working area. Spoils shall be placed a minimum 1.5m back from the top of the bank. The excavated material shall be placed and levelled to a maximum depth of two hundred millimetres (200 mm) and shall not impede overland drainage or cultivation of the land using farm machinery. If the spoils have sub-soil in them, the topsoil shall be windrowed along the edge of the working corridor prior to placing the sub-soil. After the excavated material has been levelled, the topsoil shall be spread to its original depth and left in a condition suitable for cultivation.

If Landowners request the spoils be disposed of outside the working area, a sign-off from the receiving property must be obtained. Costs associated with disposing of spoils outside the working area are the responsibility of the contractor. No additional payment will be made for disposing of spoils outside the working area.

Restoration shall be in accordance with the restoration specification.

11. Rock Excavation (Provisional)

Rock excavation may be required to complete the open channel and culvert installations. If the Contractor chooses to drill and blast rock within the project limits the Contractor will be required to adhere to the monitoring and vibration control portion of this specification. **The monitoring and vibration control portion of this specification does not apply to rock excavation with a hammer or excavator.** The items described are to be carried out to the provisions of OPSS 120 – General Specification For the Use of Explosives and OPSS 206 - Construction Specification for Grading.

Excavated rock shall be used to fill in the side slopes throughout the open channel as directed by the Drainage Superintendent or otherwise disposed offsite at the Contractors expense.

A slight grade change of up to 0.15 m may be permitted if the rock grade is within the excavated area. However all grade raises must be approved in writing by the Engineer prior to any grade changes. Standing water within the channel is not permitted.

The Contractor will only be permitted to blast between 8:00 am and 6:00 pm.

The following utilities and agencies shall be notified at least 72 hours prior to blasting. Additional requirements as described in OPSS 120 shall be followed.

- City of Kawartha Lakes
- Hydro One
- Bell Canada

The Contractor, through the services of a Blasting Consultant, shall monitor the vibration levels at the closest building and/or service to the blast site during each blast. The monitoring equipment shall meet the requirements of the Pre-Condition Survey and Vibration Monitoring.

The Contract must also meet all conditions of the applicable utility companies.

The following will apply when excessive vibration readings are measured:

Should any two (2) consecutive readings fall between 50 and 80 mm/s PPV, the Blasting Contractor shall cease all further blast hole loading other than those required for a 'third' reading. Should this third reading be below 50 mm/s PPV, the loading of the blast holes may continue. Should the third reading be in excess of 50 mm/s PPV, the Blasting Contractor shall cease all blasting in the area and move to a new area and continue blasting. The Blasting Contractor shall then submit a revised loading pattern as approved by the Blasting Consultant to the Contract Administrator for the area where blasting was discontinued.

Should any one (1) reading be in excess of 80 mm/s PPV, the Blasting Contractor shall cease all further blast hole loading other than those required for one subsequent reading. Should this reading fall below 50 mm/s PPV, blasting may continue. Should this reading be in excess of 50 mm/s PPV, the Blasting Contractor shall cease all blasting in the area and move to a new area and continue blasting. The Blasting Contractor shall then submit a revised loading pattern as approved by the Blasting Consultant to the Contract Administrator for the area where blasting was discontinued.

After blasting, the Blasting Contractor must perform a site condition survey of buildings and services to determine if any damage has resulted upon completion of blasting or immediately

following the receipt of a complaint. Any damage must be reported in writing immediately to the Contract Administrator.

A blast report summarizing the results of the vibration and air blast levels shall be submitted to the Contract Administrator at the end of each work day in which blasting is carried out. Copies of the seismic records shall be made available if requested.

12. Installation of Road Crossings

The Contractor shall supply, install, and backfill aluminized corrugated steel pipe with a minimum wall thickness of 2.8 mm in all cases. All corrugation profiles shall be of helical lockseam manufacture using 68 x 13 mm corrugations for 1600 mm dia. pipe and smaller and 125 x 25 mm corrugations for 1800 mm dia. pipe and larger. Pipe with 125 x 25 mm corrugations shall be used if 68 x 13 mm corrugations are not available. Future culvert replacements shall be to the same specifications.

The proposed culverts shall be installed in the same general location as the existing culverts. The location of the culvert may be moved a short distance if approved by the Engineer or Drainage Superintendent in writing.

The bottom of the excavation for both the culvert and tile shall be excavated to the required depth with any over excavation backfilled with granular material or 19mm clear stone. When the culvert has been installed to the proper grade and depth, the excavation shall be backfilled with granular or 19mm clear stone from the bottom of the excavation to the springline of the pipe. Care shall be taken to ensure that the backfill on either side of the culvert does not differ by more than 300 mm so that the pipe is not displaced. Within the road allowance the pipe and culvert shall be backfilled from the springline to finished grade with compacted granular "B" material within 150 mm of finished grade. Granular B material shall be mechanically compacted to 98% modified standard proctor density. Outside the road allowance excavated material can be used. The top 150 mm of Granular "A" material shall be mechanically compacted to 100% modified standard proctor density. Payment for additional material shall be at the unit price specified in the Contract documents. Asphalt shall be HL4 and have a minimum thickness of 50 mm and shall match the existing road.

It is the Contractors responsibility to locate and expose any utilities prior to the installation of any culvert or tile. If there is a conflict with the tile elevation, the Contractor is required to notify the Engineer.

Rip rap ends are to be used with 1.5:1 side slopes. The rip rap shall consist of 100 mm x 250 mm quarry stone or approved equal. The area to receive the rip rap shall be graded to a depth of 400 mm below finished grade. Filter fabric (Terrafix 270R or approved equal) shall then

be placed with any joints overlapped a minimum 600 mm. The quarry stone shall then be placed with the smaller pieces placed in the gaps and voids to give it a uniform appearance.

If concrete blocks are used, the culvert shall be shortened to accommodate the difference in length. The concrete blocks shall have dimensions of approx. 600 mm x 600 mm x 1200 mm, 600 mm x 600 mm x 2400 mm or 300 mm x 600 mm x 1200 mm as required. The top of the culvert shall govern block elevation. The correct block shall be set with the top of the block equal to the top of the culvert. The blocks shall be set at each end of the culvert so that each row of blocks will be offset approx. 100 mm from the row below. The bottom row shall consist of one block placed parallel to the culvert. The blocks shall be imbedded a minimum of 300 mm into each bank and shall extend into the drain bottom to match the pipe invert or below.

The blocks shall be placed over a layer of filter fabric (Terrafix 270R or approved equal). The culvert shall be backfilled in conjunction with the placement of the blocks. The gaps between the culvert and the blocks shall be filled with concrete cinder blocks/bricks and mortar to give the endwall a finished appearance.

Restoration shall occur in accordance with Specification 16.

13. Subsurface Drainage

The landowners are responsible to mark all tile outlets entering the drain. The landowner is responsible for all costs to maintain private tile outlets. Any washouts along the channel banks caused by surface or subsurface water entering the channel through private facilities shall be repaired at the direction of the Drainage Superintendent with the costs assessed to the benefiting landowner.

Tile ends shall be repaired with equivalent sized non perforated HDPE agricultural tubing with a manufactured coupling and rodent grate. In the case of concrete or clay tile, the tile end shall be excavated into the bank a minimum of 3 metres. Any washouts from surface water or at tile ends shall be repaired with rip rap (100 mm x 250 mm quarry stone or gabion stone) and filter fabric (Terrafix 270R or approved equal).

The area to receive rip rap shall be graded to a minimum depth of 300 mm. If the washout is greater than 300 mm then excavated or fill material shall be placed to sub-grade. The filter fabric shall then be placed with any joints overlapped a minimum of 600 mm. The rip rap shall then be placed to a depth of 300 mm and from the base of the side slope to the top of the bank with the smaller pieces being placed in the gaps and voids to give it a uniform appearance. The area to receive rip rap shall be graded and the rip rap placed to allow any surface water directed to this area to be allowed to enter the channel over the rip rap. The rip

rap shall generally be keyed to a depth of 600 mm at the top of the bank. Any native material that has washed into the channel shall be removed and spread on the adjacent property.

There are no known sub-surface drains entering the channel.

14. Outlet Works

When light duty silt fencing has been specified it shall be constructed immediately downstream of any outlet works for the duration of construction.

The light duty silt fencing shall be supplied and installed in accordance with OPSS 577 and OPSD 219.110. The light duty silt fencing shall be removed once the disturbed area has been revegetated.

15. Fencing

The Contractor shall remove any cross fences necessary to carry out construction operations. Upon completion of the work, the fences shall be reconstructed using existing materials.

16. Restoration

Road restoration shall be in accordance with the following:

- Excavation in accordance with OPSS 206.
- Compaction in accordance with OPSS 501 (Prov.).
- 150 mm of Granular 'A' and 300 mm of Granular 'B'. Granular in accordance with OPSS 1010.
- Disturbed areas within the road right-of-way shall be restored in accordance with the contract drawings and include roadside ditching, 100 mm of native topsoil and seed. Topsoil in accordance with OPSS 802. Seed in accordance with OPSS 804.

Seeding Application rates are as follows:

- Primary seed (85 kg/ha.) consisting of 50% red fescue, 40% perennial ryegrass and 5% white clover.
- Nurse crop consisting of Italian (annual) ryegrass at 25% of total weight.
- Fertilizer (300 kg/ha.) consisting of 8-32-16.

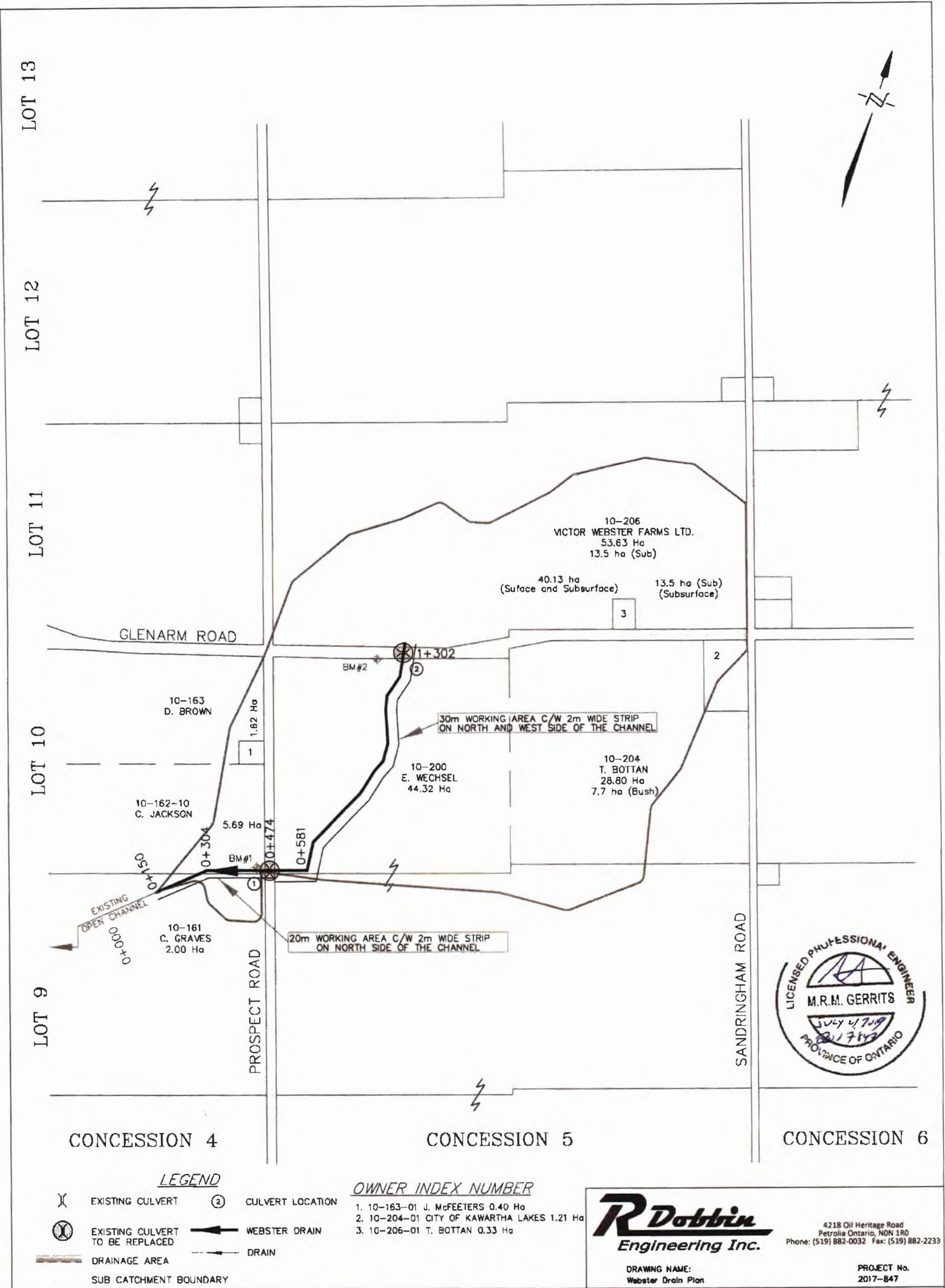
17. Environmental Considerations

The Contractor shall take care to adhere to the following considerations.

- All activities, including maintenance procedures, shall be controlled to prevent the entry of petroleum products, debris, rubble, concrete, or other deleterious substances into the water. Vehicle and equipment refuelling and maintenance shall be conducted away from the channel, any surface water runs, or open inlets. All waste materials shall be stockpiled well back from the top of the bank and all surface water runs and open inlets that enter the drain.
- The Contractor shall install a silt fence downstream of the work area. The silt fence shall consist of filter fabric or manufactured silt fence supported with posts. The silt fence shall be removed once all construction is completed.
- The Contractor shall maintain a dry working area during construction.
- All construction in the channel shall be carried out during periods of low flow.

18. Miscellaneous

When crossing utilities the Contractor is responsible to co-ordinate construction with the affected companies and complete construction in accordance with the affected company requirements.



APPROVED	SCALE: 1:10,000			
M. GERRITS	0 100 200 300m			
CHECKED				
B. VAN RUITENBERG	NO.	REVISIONS	DATE	BY
DRAWN	3	WATERSHED ADJ.	JULY 4, 2019	MG
	2	FINAL REPORT	JUNE 3, 2019	MG
	1	FOR CA APPROVAL	JAN. 18, 2019	JW
J. WARNER				

CITY of KAWARTHA LAKES

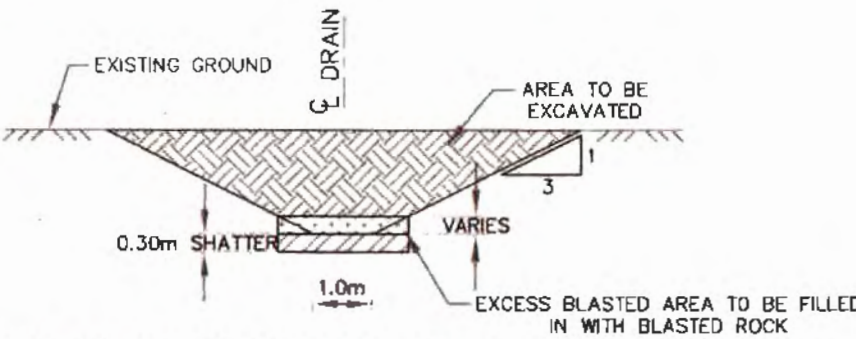
WEBSTER DRAIN PLAN

1
OF 4

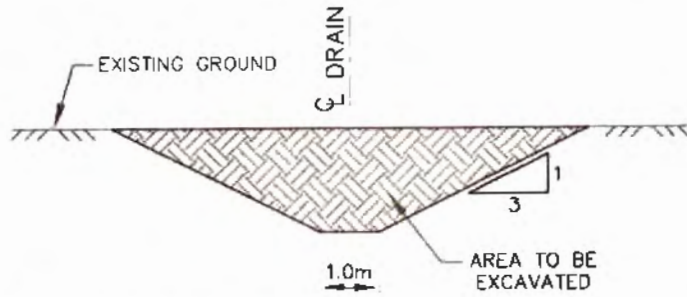
GENERAL NOTES

1. BENCHMARK No.1 ELEV. 286.07
TOP WEST END OF EXISTING 900mmØ
CSP, STATION 0+474

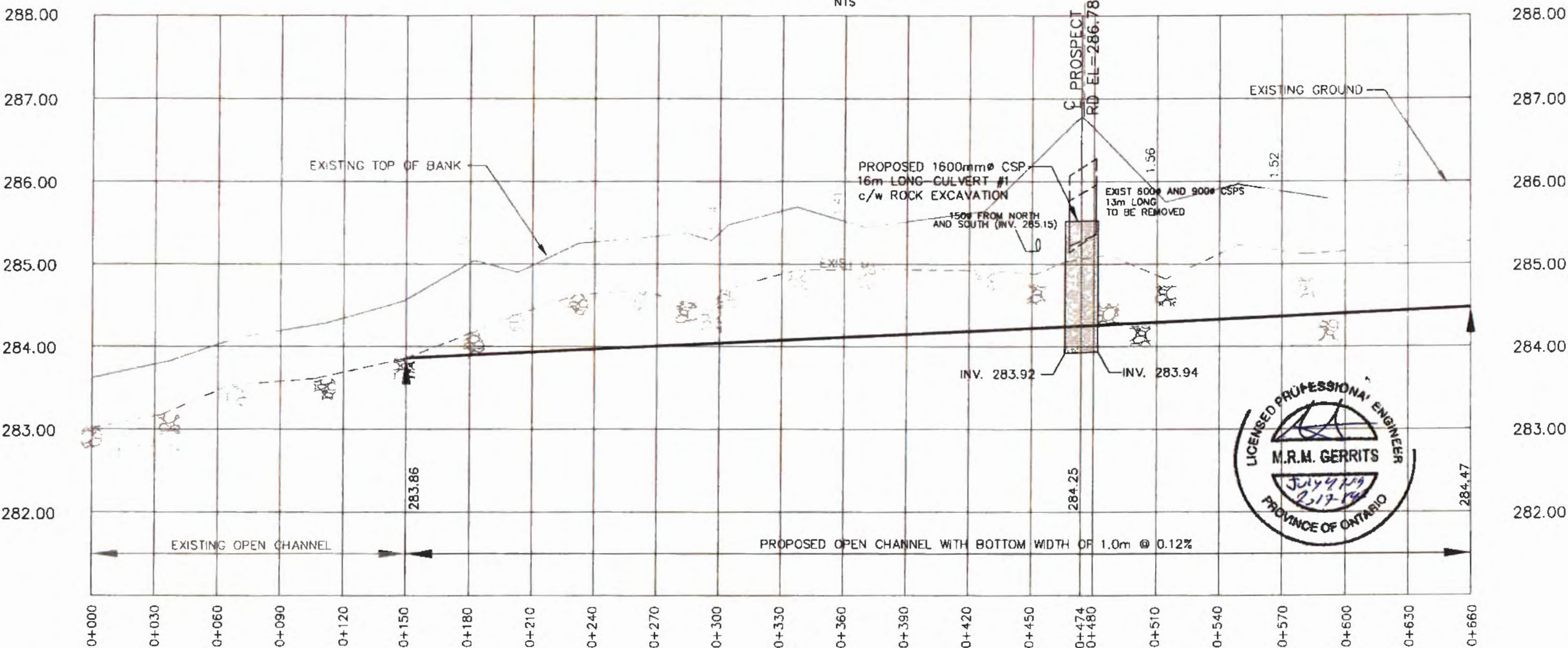
2. UPPER NUMBERS ARE DEPTH FROM GROUND/
TOP OF BANK TO BOTTOM OF NEW CHANNEL.



TYPICAL DRAIN CROSS SECTION IN EARTH AND ROCK



TYPICAL DRAIN CROSS SECTION IN EARTH



4218 Oil Heritage Road
Petroliia Ontario, N0N 1R0
Phone: (519) 882-0032 Fax: (519) 882-2233

DRAWING NAME:
Webster Drain Profile 1

PROJECT No.
2017-847

APPROVED
M. GERRITS

CHECKED
B. VAN RUITENBURG

DRAWN
J. WARNER

NO.	REVISIONS	DATE	BY
3	FINAL REPORT	JULY 4, 2019	MG
2	FINAL REPORT	JUNE 3, 2019	MG
1	FOR CA APPROVAL	JAN. 18, 2019	JW

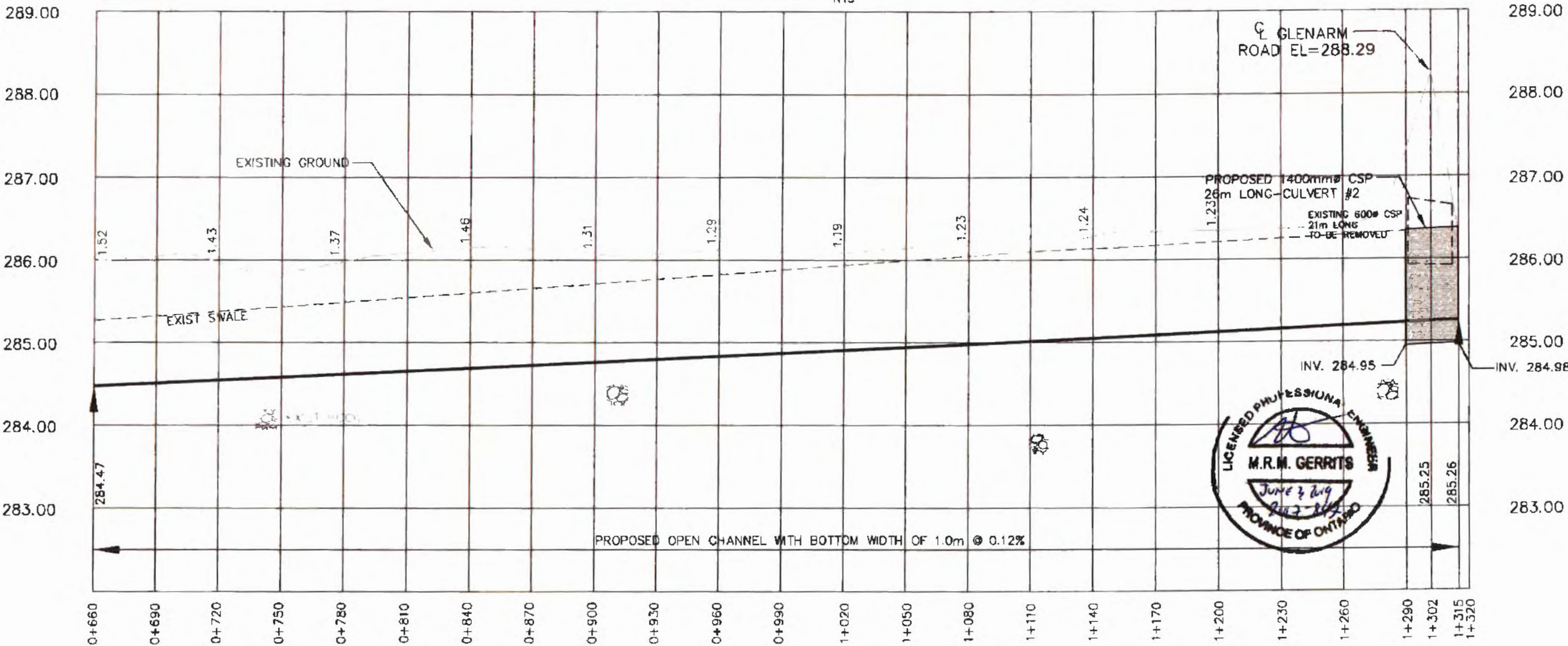
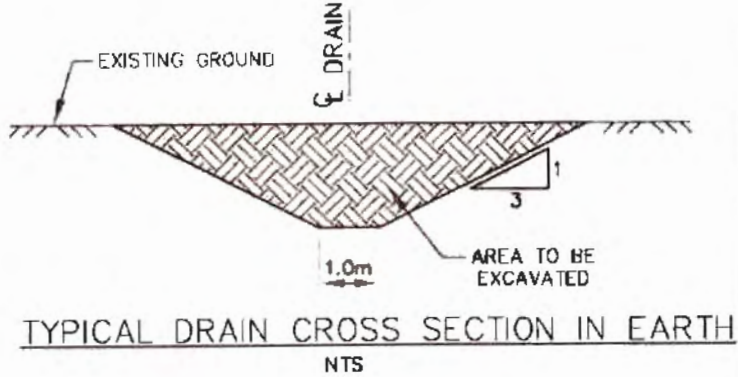
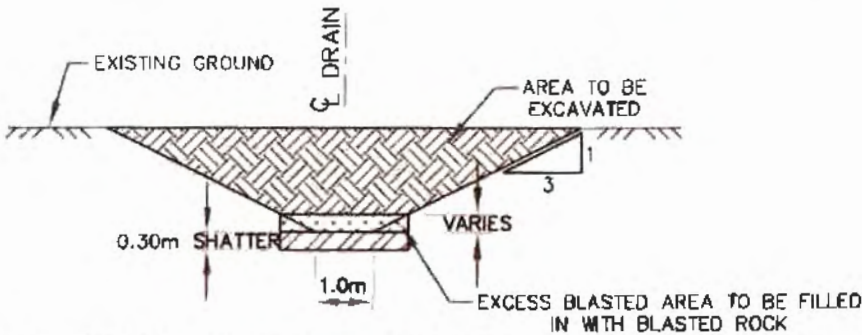
SCALE: 1:2,000
0 20 40 60m

CITY of KAWARTHA LAKES
WEBSTER DRAIN
PROFILE

2
OF 4

GENERAL NOTES

- 1. BENCHMARK No.2 ELEV. 287.57
TOP OF NAIL ON HYDRO POLE ON THE SOUTH SIDE
OF GLENARM ROAD APPROXIMATELY 75m WEST
OF PROPOSED DRAINAGE WORKS (STA. 1+291)
- 2. UPPER NUMBERS ARE DEPTH FROM
GROUND TO BOTTOM OF NEW CHANNEL



4218 Oil Heritage Road
Petroliu Ontario, N0N 1R0
Phone: (519) 882-0032 Fax: (519) 882-2233

DRAWING NAME:
Webster Drain Profile 2

PROJECT No.
2017-847

APPROVED
M. GERRITS

CHECKED
B. VAN RUITENBURG

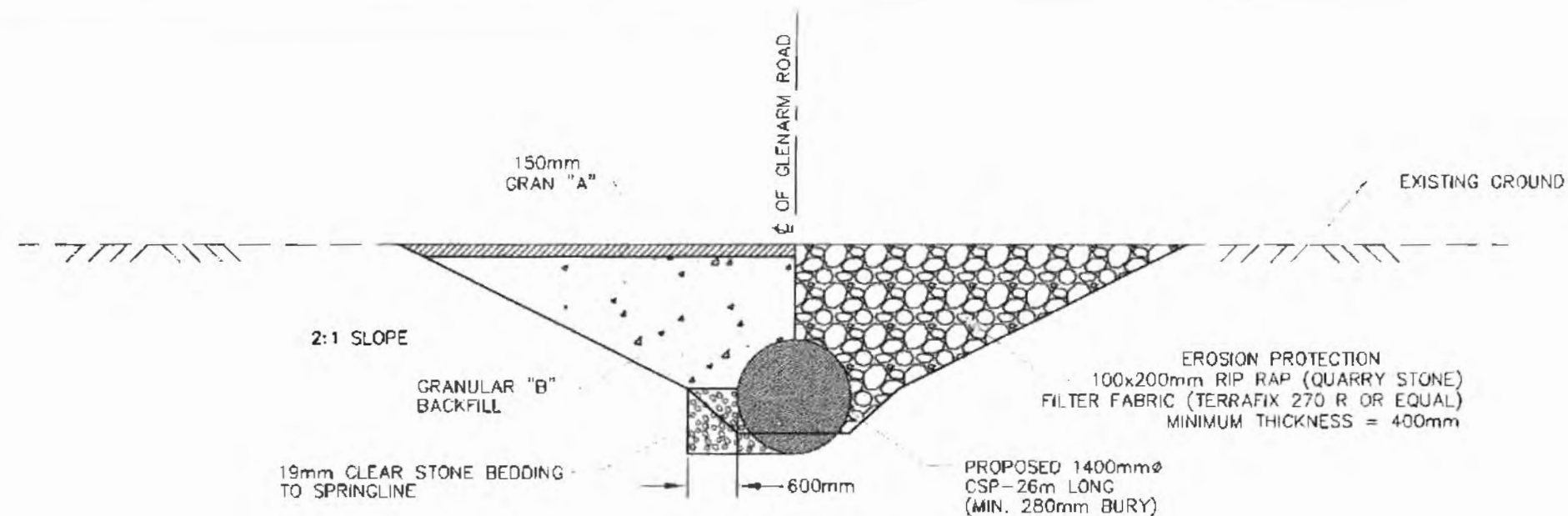
DRAWN
J. WARNER

NO.	REVISIONS	DATE	BY
2	FINAL REPORT	JUNE 3, 2019	MG
1	FOR CA APPROVAL	JAN. 18, 2019	JW

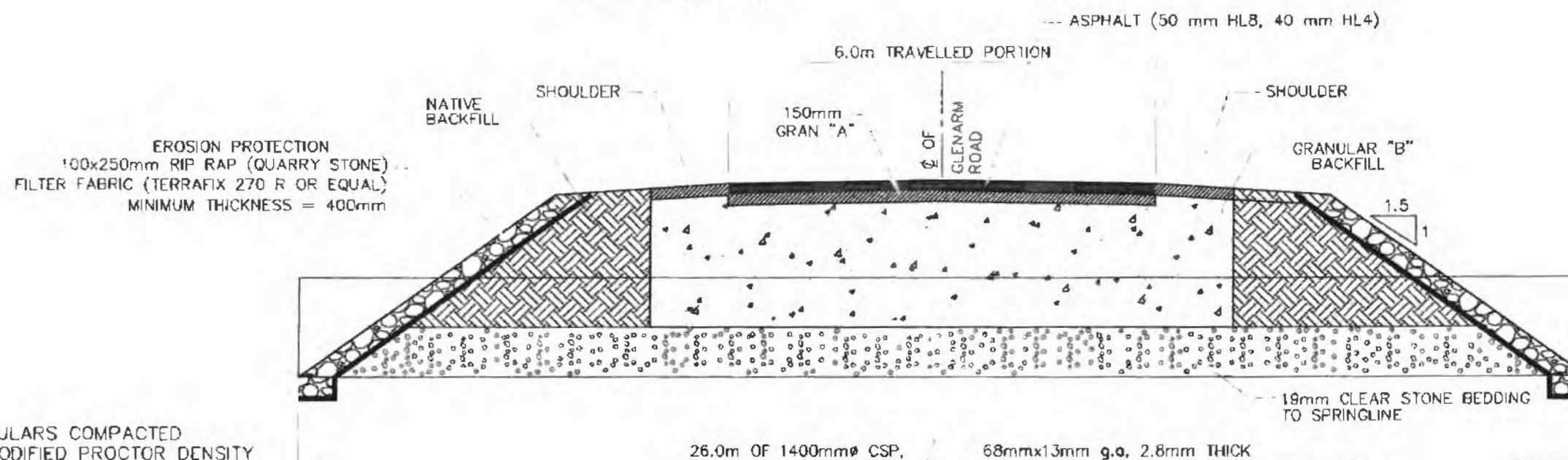
SCALE: 1:2,000
0 20 40 60m

CITY of KAWARTHA LAKES
WEBSTER DRAIN
PROFILE

3
OF 4



PROPOSED PIPE END SECTION
CULVERT #2
 (NON TRAVELLED PORTION)



NOTE:

1. ALL GRANULARS COMPACTED TO 98% MODIFIED PROCTOR DENSITY
2. INVERTS TO BE CONFIRMED AT TIME OF CONSTRUCTION
3. CULVERT #1 DOES NOT REQUIRE ASPHALT LIFT.

PROPOSED CROSS-SECTION
CULVERT #2



R Dobbin
Engineering Inc.

DRAWING NAME:
 Webster Drain Culvert Detail

4218 Oil Heritage Road
 Petrolia Ontario, N0N 1R0
 Phone: (519) 882-0032 Fax: (519) 882-2233

PROJECT No.
 2017-847

APPROVED
 R. DOBBIN

CHECKED
 B. VAN RUITENBURG

DRAWN
 J. WARNER

NO.	REVISIONS	DATE	BY
2	FINAL REPORT	MAY 8, 2019	MG
1	FOR CA APPROVAL	JAN. 18, 2018	JW

SCALE 1:75
 0 2m

CITY of KAWARTHA LAKES
WEBSTER DRAIN
ROAD CULVERT DETAIL

4
OF 4

The Corporation of the City of Kawartha Lakes

Council Report

Report Number ENG2019-026

Meeting Date: December 10, 2019

Title: Request for a Section 65(3) Assessment - Sandringham Drain

Description: Request under the Ontario Drainage Act

Ward Number: Ward 4

Author and Title: Michael Farquhar, Supervisor of Technical Services, Engineering and Corporate Assets

Recommendation(s):

That Report ENG2019-026, **Request for a Section 65(3) Assessment - Sandringham Drain**, be received;

That the Engineering and Corporate Assets Department initiates proceedings under the provisions of Section 65(3) of the Drainage Act, R.S.O. 1990, c. D.17;

That the City Clerk be instructed to advise an engineer in writing to inspect the land and assess it for a just proportion of the drainage works, taking into account any compensation paid to the owner of the land in respect of the drainage works as per section 65(3) of the Drainage Act, R.S.O. 1990, c. D.17; and

That Council appoint R. Dobbin Engineering Inc. as the engineer for the requested Section 65(3) assessment.

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

Background:

On October 18th, 2019 the City's Clerks office received a letter from Urs and Eric Kressibucher requesting to drain lands municipally known as 84 Sandringham Road into the existing Sandringham Drain (see attached letter as Appendix A).

This request was brought before the City of Kawartha Lakes Drainage Board on October 23, 2019. At this meeting it was explained that the Kressibuchers wanted to tile their square 100 acre farm and have it outlet into the Sandringham Drain. The W ½ Lot 2 Con 6 in the former township of Mariposa which is municipally known as #84 Sandringham Road being the Kressibucher property. It is currently assessed for 49.57 acres of benefit into the Sandringham drain. The balance of the farm is not assessed into the drain. It was also explained in order to review if the remaining un-assessed acreage could be brought from outside the drainage shed and tiled into the drain a section 65(3) would be required. At this meeting the drainage board was informed that it had been identified to the Kressibucher's that bringing outside drainage into the Sandringham drain might not be possible due to the capacity of the existing piped drain downstream of the Kressibucher's property. It was also explained to the board that the City's Drainage Superintendent had explained the option of pursuing a Mutual agreement for draining the balance of the Kressibucher lands not assessed to the Sandringham drain outside of its drainage shed. This option was not pursued by the Kressibucher's.

At the October 23, 2019 Drainage Board meeting (minutes attached as Appendix B) the following resolution was adopted:

DB2019-029

That the memorandum from L. Feitler, Drainage Superintendent - Engineering and Corporate Assets, dated October 21, 2019, regarding the section 65(3) request from the Kressibuchers be received;

That the Engineering and Corporate Assets Department initiates proceedings under the provisions of Section 65(3) of the *Drainage Act, R.S.O. 1990, c. D.17*;

That the City Clerk be instructed to advise an engineer in writing to inspect the land and assess it for a just proportion of the drainage works, taking into account any compensation paid to the owner of the land in respect of the drainage works as per section 65(3) of the *Drainage Act, R.S.O. 1990, c. D.17*; and

Carried

Based on this resolution staff have now brought this matter before Council.

Rationale:

Based on the resolution made by the City's Drainage Board, Staff must now procedurally bring this forward to Council for the appointment of an engineer for the section 65(3) review of the Sandringham drain to determine if the Kessiburcher's request is feasible.

Staff recommends the appoint of R.Dobbin Engineering for this review as they were the firm of record for the Sandringham drain report and would make this review the most economical.

Other Alternatives Considered:

Find an alternative outlet for the land not assessed with the use of a mutual agreement. This option was presented to the drainage contractor.

Financial/Operation Impacts:

Section 65(10) of the *Drainage Act, R.S.O. 1990, c. D.17* states the cost of the assessment, including the fees of the engineer, shall be paid by the owners of the lands in the proportion fixed by the engineer or, on appeal, by the Tribunal, and subsection 61(4) applies to these costs.

Section 61(4) of the *Drainage Act, R.S.O. 1990, c. D.17* states The assessments and rates imposed under this Act shall have priority lien status as described in section 1 of the *Municipal Act, 2001* or section 3 of the *City of Toronto Act, 2006*, as the case may be.

Relationship of Recommendation(s) to the 2016-2019 Strategic Plan:

Section 3.1.7 of the Strategic Plan recognizes the protection of prime agricultural land by including policies in the Official Plan and working with the agricultural community to identify opportunities to support the sector.

Consultations:

The City of Kawartha Lakes Drainage Board
City Clerk's Office
Drainage Superintendent

Attachments:

Appendix A: Kressibucher Letter



Kressibucher
letter.pdf

Appendix B: October 23rd Drainage Board minutes



October 23, 2019
Drainage board minut

Department Head E-Mail: jrojas@kawarthalakes.ca

Department Head: Juan Rojas

Department File:

RECEIVED

OCT 18 2019

**OFFICE OF THE CITY CLERK
KAWARTHA LAKES**

Dear Council:

Please accept this request as I wish to connect land to a drain that is currently not asseessed into the existing Sandrigham Drain.

This request falls under section S. 65(3) of the drainage act.

This assessment is on the Sandringham drain and the entire property can be drained to the Municipal drain.

The property address # 84 Sandringham Road

Please refer to the attached topographic maps as well as the survey of the the property.

We look forward to hearing from you propmtly on this matter as we wish to proceed with this project this fall of 2019.

Regards,

The image shows two handwritten signatures in black ink. The top signature is more stylized and cursive, while the bottom signature is more legible and appears to be 'Eric Kressibucher'.

Urs and Eric Kressibucher

The Corporation of the City of Kawartha Lakes
Minutes
Drainage Board Meeting

DB2019-04
Wednesday, October 23, 2019
7:00 P.M.
Victoria Room
City Hall
26 Francis Street, Lindsay, Ontario K9V 5R8

Members:
Councillor Ron Ashmore
Councillor A. Veale
Charles Clarke
Jim Oriotis
Mike Verbik

Accessible formats and communication supports are available upon request. The City of Kawartha Lakes is committed to accessibility for persons with disabilities. Please contact AgendaItems@kawarthalakes.ca if you have an accessible accommodation request.

1. Call to Order

Chair A. Veale called the meeting to order at 7:01 p.m. Drainage Board members Councillor Ashmore, and C. Clarke, were in attendance.

Deputy Clerk and Recording Secretary J. Watts, Supervisor of Technical Services M. Farquhar, and Drainage Superintendent L. Feitler were also in attendance.

Absent: M. Verbik, and J. Oriotis

2. Administrative Business

2.1 Adoption of Agenda

DB2019-026

Moved By C. Clarke

Seconded By Councillor Ashmore

That the amended agenda be adopted as circulated.

Carried

2.2 Declaration of Pecuniary Interest

There were no declarations of pecuniary interest disclosed.

2.3 Adoption of Minutes from Previous Meeting

DB2019-027

Moved By Councillor Ashmore

Seconded By C. Clarke

That the minutes of the Drainage Board meeting held on September 17, 2019, be adopted as circulated.

Carried

3. Deputations

4. New Business

4.1 Memorandum

Lucas Feitler, Drainage Superintendent
Contravention of Drainage Act
Anderson Municipal Drain

Drainage Superintendent L. Feitler presented an overview of his memorandum noting:

- the contravention of the Drainage Act
- discussions with various stakeholders to determine next steps; and
- possible options for proceeding

He recommended that the City initiate proceedings under the provisions of Section 65(3) of the Drainage Act, and appoint an engineer to inspect the land in accordance with that section of the Act. Mr. Feitler and Mr. Farquhar responded to questions from the Board members.

DB2019-028

Moved By C. Clarke

Seconded By Councillor Ashmore

Recommend that the memorandum from L. Feitler, Drainage Superintendent - Engineering and Corporate Assets, dated October 23, 2019, regarding the Contravention of the Drainage Act - Anderson Municipal Drain, be received;

That the Engineering and Corporate Assets Department initiates proceedings under the provisions of Section 65(3) of the Drainage Act, R.S.O. 1990, c. D.17;

That the City Clerk be instructed to advise an engineer in writing to inspect the land and assess it for a just proportion of the drainage works, taking into account any compensation paid to the owner of the land in respect of the drainage works as per section 65(3) of the Drainage Act, R.S.O. 1990, c. D.17; and

That that Engineering and Corporate Assets Department staff complete a detailed survey of the Anderson Municipal Drain to determine any changes from the original design.

Carried

4.2 Memorandum

Lucas Feitler, Drainage Superintendent
Request to Connect to Sandringham Drain – Kressibucher

Drainage Superintendent L. Feitler presented an overview of his memorandum noting:

- the request from the landowner that was received via their tile drainage contractor
- possible impacts and outcomes; and
- alternative options for proceeding

He recommended that the City initiate proceedings under the provisions of Section 65(3) of the Drainage Act, and appoint an engineer to inspect the land in accordance with that section of the Act. Mr. Feitler and Mr. Farquhar responded to questions from the Board members.

DB2019-029

Moved By Councillor Ashmore

Seconded By C. Clarke

Recommend that the memorandum from L. Feitler, Drainage Superintendent - Engineering and Corporate Assets, dated October 21, 2019, regarding the section 65(3) request from the Kressibuchers be received;

That the Engineering and Corporate Assets Department initiates proceedings under the provisions of Section 65(3) of the Drainage Act, R.S.O. 1990, c. D.17;

That the City Clerk be instructed to advise an engineer in writing to inspect the land and assess it for a just proportion of the drainage works, taking into account any compensation paid to the owner of the land in respect of the drainage works as per section 65(3) of the Drainage Act, R.S.O. 1990, c. D.17; and

Carried

5. Other Business

5.1 Update on MacEachern Brown Municipal Drain

Mr. Farquhar stated that at the October 22, 2019 Regular Council meeting, the motion to proceed with the Drainage Works was adopted. He also advised that Council appointed D.M. Wills and Associates Limited as the engineer of record for the project. He concluded by providing a brief synopsis of the upcoming timelines, and notices that would be required to start the process.

5.2 Update on 2019 Drainage Maintenance

L. Feitler presented an update on Drainage Maintenance projects for 2019 including:

- the Murdoch Drain cleanout
- the Dykstra Drain cleanout
- the Van Shaik Drain
- the McArthur Drain
- the Oakwood Drain; and
- various locations for riprap

Mr. Feitler responded to questions from the Board members.

6. **Adjournment**

DB2019-030

Moved By C. Clarke

Seconded By Councillor Ashmore

That the Drainage Board Meeting adjourn at 7:27p.m.

Carried

The Corporation of the City of Kawartha Lakes

Council Report

Report Number ENG2019-027

Meeting Date: December 10, 2019
Title: Request for Speed Reduction – Centreline Road
Description: Request for Speed Reduction
Ward Number: Ward 6
Author and Title: Joseph Kelly, Senior Engineering Tech

Recommendation(s):

THAT Report ENG2019-027 **Request for Speed Reduction– Centreline Road** be received;

THAT curve warning signs be updated at the identified location;

THAT no passing line painting be extended at the identified location.

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

Background:

At the Council Meeting of July 16, 2019 Council adopted the following resolution:

CR2019-451

That the memorandum dated July 16, 2019 from Councillor Ashmore regarding a **speed reduction on Centerline Road** be received;

That staff explore the need for a speed reduction from 80-60 km/h on Centreline Road from Shamrock Road to Tracey's Hill Road;

That a speed reduction and solid lines be explored as options to improve safety for both drivers and residents along this section of Centreline Road; and

That recommendations be brought back to Council by the end of Q3 2019.

This report addresses those directions.

Centerline Road is an arterial, rural road. The former County Road, now CKL Road 10 experiences an estimated annual average daily traffic (AADT) of 3571 vehicles. The 1500m segment consists of a hill, a slight s-curve, with limited mixed use of dwellings, commercial storage, agricultural, and a municipal works depot. Figures 1 and 2 summarize the density and land use along the road segment. A key map can be seen in Appendix B.

Like most of the municipalities' rural arterial network, the road is currently posted at 80 km/hr.

Density

Centerline Rd, West side 1500m – 2 properties

Type	Area	Frontage
Vacant Farm Land	100 ac	722 m
Municipal Depot	100 ac	730 m

Figure 1. Chart showing very low density, mixed use on west side of road

Density

Centerline Rd, East side 1500m – 6 properties

Type	Area	Frontage
Residential (entrance on Tracey's Hill)	0.9 ac	62 m (side)
Rural Residential	15.4 ac	440 m
Residential	2.12 ac	60 m
Storage Units with Dwelling (2 entrances)	10 ac	288 m
Pit	19.5 ac	540 m
Residential (entrance on Shamrock)	2 ac	55 m (side)

Figure 2. Chart showing low density, mixed use on east side of road

Rationale:

CKL Engineering follows The Transportation Association of Canada's (TAC) "Guidelines for Establishing Posted Speed Limits" as part of its formal speed reduction warrant process. The TAC guide recommends a road risk method to determine appropriate speed limits according to road engineering characteristics, geometry, roadside environment, classification, land use, access/intersection density, and vulnerable road users. This guide along with good engineering judgment represents a consistent, repeatable, and defensible method of determining speed limits.

When considering the 1500m length Centerline Road between Shamrock Road and Tracey's Hill Road using the TAC Speed Guidelines the recommended posted speed limit as determined by rural, arterial road characteristics is 80 km/h. The completed TAC Speed Guideline can be seen in Appendix C.

The main complaint stems from a fear that the combination of a hill and three entrances, including the storage facility entrance, pose a conflict potential. These entrances are 120m apart and do not translate to a conflict to the entire road segment. Less restrictive measures should be attempted. Staff noted that just over this hill coming north into these three entrances a passing zone begins. Staff observed impatient drivers passing while at the crest of the hill; this is considered a risky maneuver.

As a result of the justification review carried out by staff, it is found that Centerline Road from Shamrock Road to Tracey's Hill Road is posted appropriately.

Staff recommends updating the curve sign to an s-curve sign and setting it further back from the curve to meet the Ontario Traffic Manual setback requirements and extending the no pass zone (double yellow line) further north of the crest to cover the three entrances to limit their exposure to risky maneuvers over the hill. These can be done as routine operational upgrades.

Other Alternatives Considered:

Post the section of road at 60 km/h as requested. This is not recommended due to posting a limit lower than the warranted speed will result in very low compliance rates.

Financial/Operation Impacts:

Approximately \$450 - Cost to change the sign. Minimal cost to change line painting procedure to the line painting program.

Relationship of Recommendation(s) To The 2016-2019 Strategic Plan:

Providing life safety and protection, is a priority objective of the City under the Council Adopted Strategic Plan Goal of An Exceptional Quality of Life.

Consultations:

No Consultations are mentioned

Attachments:

Appendix A – Memo



ENG2019-027 -
Appendix A.pdf

Appendix B – Key Map



ENG2019-027 -
Appendix B.pdf

Appendix C – TAC Speed Form



ENG2019-027 -
Appendix c.pdf

Department Head E-Mail: jrojas@city.kawarthalakes.on.ca

Department Head: Juan Rojas, Director of Engineering & Corporate Assets

Department File: Engineering



Council Memorandum

Date: July 2, 2019

To: Council

From: Ron Ashmore , Councillor Ward 6

Re: Speed reduction on Centreline Road from Shamrock Road to Tracey's Hill Road

Recommendation

That Staff explore the speed reduction from 80-60 km/h on Centreline Road from Shamrock Road to Tracey's Hill Road.

That a speed reduction and solid lines be added to improve safety for both drivers and residents along this section of Centreline Road.

Rationale

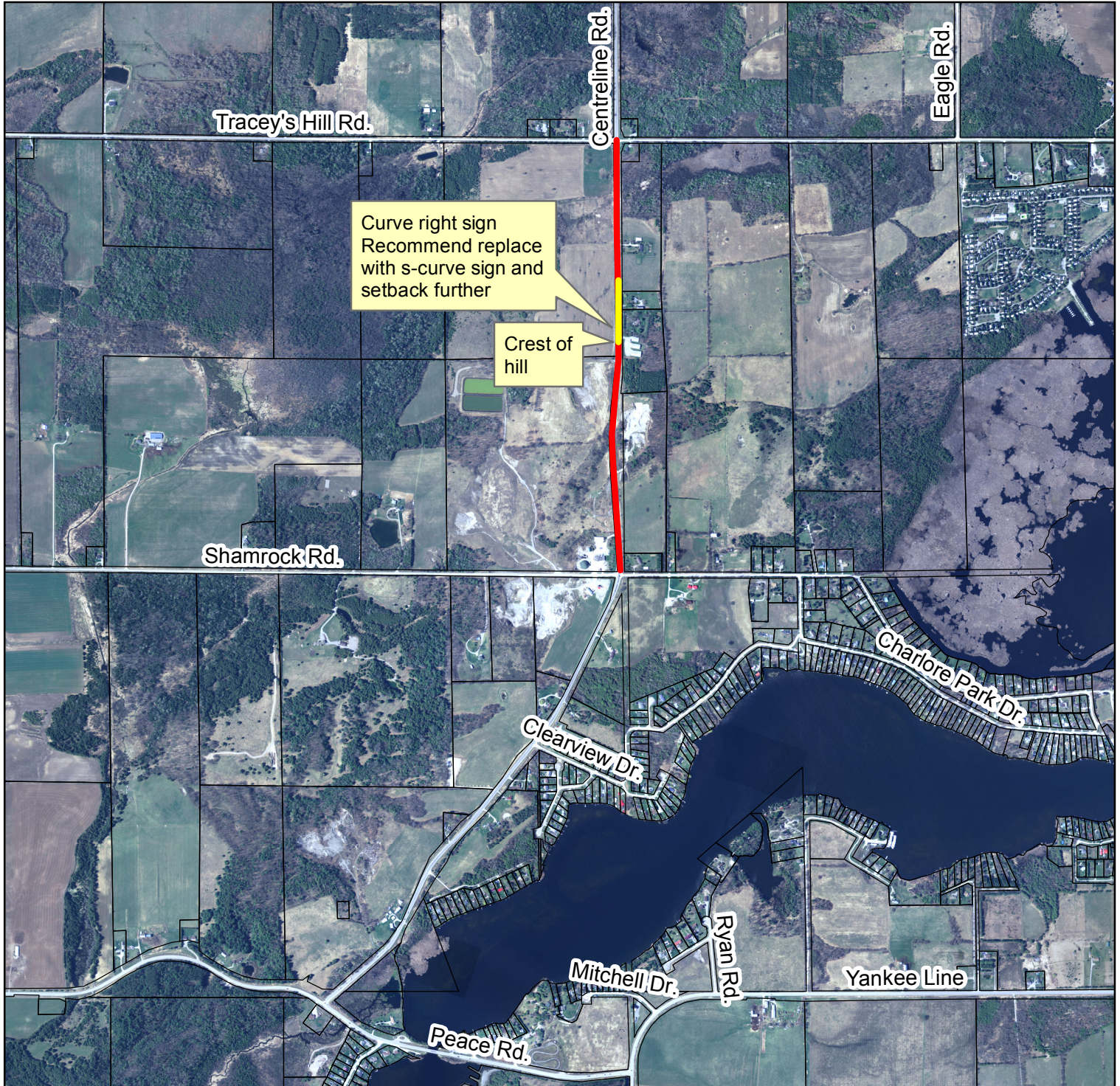
Currently there are 11 entrances in this section of Centreline road. Four are farm entrances, two municipal entrances, one commercial entrance and the remainder residential entrances. As well in summer peak times traffic is increased with residents in a nearby summer resort using this section of road.

The road itself in this section is curved in both directions with a large hill which accelerates traffic causing treacherous conditions for residents and entrance users.

Centreline has increased traffic in recent years and as a result local residents have raised the concern over their safety and thus are requesting the speed reduction and solid lines to prevent dangerous passing manoeuvres. The residents would appreciate staff investigating this request. Thank you

R. Ashmore Councillor Ward 6

Centerline Road (CKL Rd 10) Requested Speed Reduction

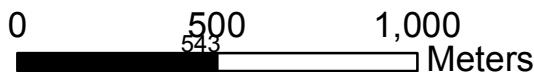


- Requested 60 Zone
- Proposed minimum no passing extension

Map produced by the City of Kawartha Lakes Engineering Department with data obtained under license. Reproduction without permission is prohibited.

The foregoing information is given for convenience only and it should be clearly understood that you must satisfy yourself as to whether the premises and the existing or proposed use thereof are, or would be, in conformity with all applicable by-laws and regulations of the municipality.

All distances and locations are approximate and are not of survey quality. This map is illustrative only. Do not rely on it as being a precise indicator of privately or publicly owned land, routes, locations or features, nor as a guide to navigate.



Projection: Transverse Mercator
Coordinate System: NAD83, Zone 17



Automated Speed Limit Guidelines

FORM A - Automated Speed Limit Guidelines Spreadsheet

Version:
10-Apr-09

Name of Corridor:	Centreline			
Segment Evaluated:	Shamrock	to	Tracey's Hill Rd	
Geographic Region:	CKL			
Road Agency:				
Road Classification:	Arterial	Length of Corridor:	1,460	m
Urban / Rural:	Rural	Design Speed: (Required for Freeway, Expressway, Highway)		km/h
Divided / Undivided:	Undivided	Current Posted Speed: (For information only)		km/h
Major / Minor:	Major	Prevailing Speed: (85th Percentile - for information only)		km/h
# Through Lanes Per Direction:	1 lane	Policy: (Maximum Posted Speed)		

		RISK	Score
A1	GEOMETRY (Horizontal)	Lower	3
A2	GEOMETRY (Vertical)	Higher	9
A3	AVERAGE LANE WIDTH	Medium	6
B	ROADSIDE HAZARDS	Lower	3
C1	PEDESTRIAN EXPOSURE	Medium	4
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	3
E1	NUMBER OF INTERSECTIONS WITH PUBLIC ROADS	Number of Occurrences	3
	STOP controlled intersection	0	
	Signalized intersection	0	
	Roundabout or traffic circle	0	
	Crosswalk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	2	
E2	NUMBER OF INTERSECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	5
	Left turn movements permitted	11	
	Right-in / Right-out only		
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	Lower	1

Total Risk Score:

43

Recommended Posted
Speed Limit (km/h):

As determined by road characteristics

80

As determined by policy

The recommended posted speed limit may be checked against the prevailing speeds of the roadway and the road's safety performance.

Comments:

The Corporation of the City of Kawartha Lakes

Council Report

Report Number WWW2019-011

Meeting Date: December 10, 2019

Title: By-law Amendments for Mandatory Connection

Description: Amendments to By-laws 2014-255 (Mandatory Connection By-law) and 2018-039 (By-law to Regulate Water and Wastewater Services)

Ward Number: All

Author and Title: Amber Hayter, Supervisor, Water & Wastewater Operations

Recommendation(s):

That Report WWW2019-011, **By-law Amendments for Mandatory Connection**, be received;

That Section 2.05 of By-law 2014-255 be amended to read: “Any appeals or requests for exemptions from section 2.01, 2.02 and 2.03 of this By-law shall be forwarded to Council for consideration.”;

That Section 2.06 of By-law 2014-255 be amended to read: “Subject to section 2.01, 2.02 or 2.03 of this by-law any Owner of a building on land that meet the requirements to connect to the municipal water and/or wastewater services shall be billed the Mandatory Connect Fee – Water and/or Mandatory Connect Fee – Sewer as per the provisions of the By-law to Regulate Water and Wastewater Services in the City of Kawartha Lakes (By-law 2018-039, as amended) and the consolidated fees By-law 2018-234, as amended commencing January 1, 2020.”;

That Section 23.05(s) of By-law 2018-039 be amended to read: “The owner or occupier of each separately assessed parcel of land that fronts a watermain and is subject to the requirements of By-Law 2014-255 “Mandatory Connection By-Law” shall pay a Mandatory Connect Fee – Water as set forth in Schedule “A” of this By-Law, commencing January 1, 2020.”;

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

That Section 23.05(v) of By-law 2018-039 be amended to read: “The owner or occupier of each separately assessed parcel of land that fronts a sanitary sewer main and is subject to the requirements of By-Law 2014-255 “Mandatory Connect By-Law” shall pay a Mandatory Connect Fee – Sewer as set forth in Schedule “A” of this By-Law, commencing January 1, 2020.”;

That Section 24.00 High Water Bill Adjustment and Mandatory Service Connection Appeals Committee of By-Law 2018-039 be deleted in its entirety;

That Schedule “A” of By-Law 2018-039 “A By-Law to Regulate Water & Wastewater Services in the City of Kawartha Lakes” be replaced by “Schedule “A” 2019 Water and Wastewater Rates” substantially in the form as attached as Appendix ‘C’ to Report WWW2019-011; and

That the necessary amending By-laws be brought forward for adoption.

Background:

Amendments and reviews of the Mandatory Connection By-law have been ongoing over the course of 2018 and 2019, with a number of presentations and reports provided to Council.

At the Special Council Meeting of July 16, 2019, a presentation and report were provided to Council, whereby they adopted the following resolution:

CR2019-433

Moved By Councillor Dunn

Seconded By Councillor Yeo

That Report WWW2019-010, **Review of Mandatory Connection By-law 2014-255**, be received; and

That staff be directed to report back in September 2019 with options for amending the Mandatory Connection By-law to provide relief from mandatory connections for the 134 properties not currently connected to municipal services, up to and including complete exemption from the by-law.

Carried

Staff brought forward a report to the Committee of the Whole meeting of September 10, 2019, in response to the above resolution. Staff recommended that the by-law remained as written and implemented using the current practices. Within the report staff provided two potential alternatives that could be considered by Council for amending the by-law, which included:

Alternative 1

This alternative considered the removal of Section 2.06 of the Mandatory Connection By-law, which requires property owners who meet the requirements for mandatory connection to pay the Fixed Rate charges for water and/or wastewater as per the provisions of the By-law to Regulate Water and Wastewater Services in the City of Kawartha Lakes (By-law 2018-039, as amended). There were no changes to the timing of connection proposed in this alternative. Staff did not recommend this alternative as removing the revenue collected from the 134 properties would place additional financial burden on the current water and wastewater users. The properties subject to mandatory connection still benefit from having services available to them with increase property values, potential reduced insurance premiums for fire protection, reduced risk from contamination and drought effects, and a guaranteed safe drinking water source. Exempting these properties from paying the Fixed Rate

would allow them to continue to benefit from the services without fairly contributing to the operations and maintenance of the infrastructure.

Alternative 2

The second alternative provided to Council for consideration on amending the Mandatory Connection By-law was to exempt the currently identified properties from all requirements of the Mandatory Connection By-law, which includes paying the fixed rate and connecting to municipal services at the time their private infrastructure fails. Exempting properties that are realistically capable of connecting to municipal services and fall within the servicing boundaries is an inefficient use of the existing municipal services, is not in line with Provincial Planning policies and creates unequal requirements for dwellings benefitting from the services.

Recommendations from the Committee of the Whole meeting of September 10, 2019 were brought forward to the Council Meeting of September 24, 2019, whereby Council adopted the following resolution:

CR2019-541

Moved By Deputy Mayor Elmslie

Seconded By Councillor O'Reilly

That Report WWW2019-007, **Requirement to Connect to Municipal Services Review**, be received;

That Alternative 1 outlined within Report WWW2019-007 be endorsed;

That staff be directed to prepare the necessary amendment to By-law 2014-255, being the Mandatory Connection By-law, to reflect Alternative 1 within Report WWW2019-007; and

That staff be directed to prepare an amendment to By-law 2018-039, being the by-law to Regulate Water and Wastewater Services, to require property owners who meet the requirements for mandatory connection to pay a fixed rate of \$50.00 per quarter for water services and \$50.00 per quarter for wastewater services; and

That the revised fee structure be implemented effective January 1, 2020.

This report addresses that direction.

Rationale:

Although staff had recommended to leave the by-law as currently written and implemented the program and fees as defined in the By-law, Council chose to

adopt Alternative 1 provided in staff report WWW2019-007, attached as Appendix D to this report. This amendment would see the removal of the requirement to pay the current Fixed Rate charges as defined in By-law 2018-039. This Fixed Rate is the same charge that all current water and wastewater users pay in addition to a consumption rate, to support the maintenance and replacement of the existing infrastructure. It was recognized however that the properties who although are not connected to the water and wastewater services, are still benefitting from the services being available to them. For these reasons Council decided that the property owners that meet the requirements for mandatory connection, should pay a special mandatory connected fixed rate in the amount of \$50 per quarter for water and \$50 per quarter for wastewater, whichever services are available to the particular property.

The implementation of the new Mandatory Connect Fee is a compromise, in that property owners are still contributing financially to the maintenance and replacement of the infrastructure available to their properties, and helping to pay for some of the benefits they may receive such as fire protection, but the reduced rate recognizes that they may not be receiving the full benefits as those already connected.

Amendments to both By-law 2014-255 and 2018-039 have also been made to reflect the changes as it relates to the dissolution of the High Water Bill Adjustment and Mandatory Connection Services Appeal Committee. The appeals process as it relates to certain sections in the Mandatory Connection By-law will now all be sent directly for consideration by Council.

Endorsing the proposed amendments to the sections within the by-law as listed in the recommendations above, will help alleviate some of the financial pressures on the affected property owners.

Other Alternatives Considered:

No other alternatives are being considered at this time. Council has passed a resolution requesting Staff prepare the proposed amendments to the applicable By-laws. Should Council decide not to accept the proposed amendments, staff will continue implementation of the By-laws as currently written.

Financial/Operation Impacts:

The current 2019 Fixed Rate charges are \$30.56/month for water and \$29.56/month for sewer, both based on a 5/8" – 3/4" water meter. The total cost per year is \$366.72 for water and \$354.72 for sewer. The newly proposed fixed rates for mandatory connection called the Mandatory Connect Fee – Water and Mandatory Connect Fee – Sewer are each \$200/year. For both services property owners will have an annual fee of \$400, which is a savings of \$321.44/year.

The total revenue based on 2019 rates for the 134 properties is \$58,381.92, the implementation of the new Mandatory Connect Fees will result in an annual revenue of \$32,400, which is a reduction of \$25,981.92 per year.

Relationship of Recommendation(s) To The 2016-2019 Strategic Plan:

The recommendation to Council is consistent with the Council Adopted Strategic Plan in several ways:

Goal 1 “Vibrant and Growing Economy” – will be met through the proper servicing and collection of appropriate user fees to fund the maintenance, capacity and growth of the municipal water and wastewater systems.

Goal 3 “Healthy Environment” – will be met through community preparedness by ensuring that the necessary funds are secured in order to sustain water and wastewater infrastructure necessary to protect and prevent any adverse impacts towards the environment.

Enabler 3 “Municipal Service Excellence” - E3.3 Service Excellence – E.3.3.1 – Review and adopt best municipal practices (and continue to review operational efficiencies using lead methodology).

This Report is also in line with the City’s values, specifically continuous improvement and excellence, as the by-law aids in the sustainability of the municipal drinking water systems and wastewater systems as well as provides excellent, efficient, and safe services for the public of Kawartha Lakes.

Consultations:

Director of Public Works, Public Works

Manager, Revenue & Taxation, Corporate Services

Attachments:

Appendix A – 2014-255 Consolidated Mandatory Connection to Water and Wastewater Systems By-law – Amended Tracked Changes



Appendix A -
2014-255 Consolidat

Appendix B – 2018-039 Consolidated By-Law to Regulate Water and Wastewater Services – Amended Tracked Changes



Appendix B -
2018-0.39 Consolida

Appendix C – Schedule A 2019 Water and Wastewater Rates Tracked Changes



Appendix C -
Schedule A 2019 Wa

Appendix D – Council Report WWW2019-007 Requirement to Connect to Municipal Services Review



Appendix D -
WWW2019-011 Req

Department Head E-Mail: brobinson@kawarthalakes.ca

Department Head: Bryan Robinson

The Corporation of The City of Kawartha Lakes

Office Consolidation of By-Law 2014-255

Consolidated on January 29, 2019

Passed by Council on September 9, 2014

Amendments:

- | | | |
|--------------------|--------------------|---------------|
| 1) By-law 2017-181 | September 12, 2017 | Sections 2.00 |
| 2) By-law 2019-007 | January 15, 2019 | Sections 2.00 |

Note: This consolidation is prepared for convenience only. For accurate reference the original by-laws should be reviewed.

The Corporation of the City of Kawartha Lakes

By-Law 2014-255

A By-Law To Require Owners of Buildings To Connect Such Buildings To Drinking Water Systems and/or Wastewater Collection Systems in The City of Kawartha Lakes

Recitals

1. Council authorizes the passage of a mandatory connection by-law through resolution number CR2014-853.
2. The Municipal Act, 2001, S.O. 2001, c.25, as amended (the "Municipal Act, 2001") sections 8 and 10 provide authority to municipalities to pass by-laws regarding public utilities, including water and wastewater services, and mandatory connection thereto.
3. Section 425 of the Municipal Act, 2001 provides the authority for a municipality to create an offence for failure to comply with a by-law. Section 426 of the Municipal Act, 2001 provides for the offence of obstruction. Section 429 provides the authority for the municipality to create a system of fines.
4. Pursuant to section 445 (1) of the Municipal Act 2001, if a municipality is satisfied that a contravention of a by-law of the municipality has occurred, the municipality may make an order requiring the person who contravened the by-law to do work to correct the contravention. Section 446 of the Municipal Act, 2001 provides the authority for a municipality to create a by-law that allows the municipality to enter and conduct work where the owner fails to do so, and to recover the costs in the same manner as property taxes.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2014-255.

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“appurtenances” means the apparatus or equipment that is an accessory to the drinking water system and/or wastewater collection system including municipal sanitary laterals and/or water services and their components; or an accessory to private sanitary laterals; or to private water services and/or sewage collection systems.

“Building” means and includes but is not limited to any building, trailer, or other covering or structure with a water supply which is located on a parcel of land abutting a public highway or street or right of way in front of which a water distribution main and/or wastewater collection main is located or a parcel of land not more than one foot from a public highway or street in which a water distribution main and/or wastewater collection main is located, and

- i. Contains, or is required by this or any other by-law, regulation or statute to contain, any sleeping, eating or food preparation facilities, or
- ii. Contains or is required by this or any other by-law, regulation or statute to contain, any washing or toilet or cleaning facilities, or
- iii. Is connected, or is required by this or any other by-law, regulation or statute to be connected, to a water supply or drinking water system, or
- iv. Is connected or is required by this or any other by-law, regulation or statute to be connected, to a drain or wastewater collection system or
- v. Which is a source of sewage

Other than a barn used for agricultural purposes and which contains no sleeping accommodation for humans.

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area.

“City Clerk” means the person appointed by Council to carry out the duties of the clerk described in section 228 of the Municipal Act, 2001;

“Connect” (or “connected”, or “connecting” or “connects, or “connections”) means to install a sanitary sewer lateral and/or water service including associated appurtenances.

“Cost” includes but is not limited to the cost of restoring any property disturbed or damaged in the course of making a connection and the cost of design, if any, materials, labour and supervision of the connection incurred after the date of sending a notice and includes the amount of expense charged by the City to the owner when the municipality makes a connection at the expense of the owner.

“Council” or “City Council” means the municipal council for the City.

“Director” means the person who holds the position of Director of Public Works and his or her delegate(s) or, in the event of organizational changes, another person designated by Council;

“Drinking Water System” means any works for the production, treatment, storage, supply and distribution of water, or any part of such works, according to the Safe Drinking Water Act, 2002, but does not include plumbing to which the Building Code Act, 1992 applies.

“Municipal Sanitary Lateral” means the pipes and appurtenances of a municipal sewer system located within the right-of-way and situated between the wastewater collection main and the property line; or up to but not including the inspection tee.

“Municipal Law Enforcement Officer” is the person duly appointed within the City’s administration to enforce the by-laws of the City.

“Municipal Water Service” means the portion of the water service from the water distribution main to the property line or up to and including the curb stop.

“Notice” means a notice given pursuant to this by-law requiring a connection to be made.

“Owner” means the registered owner of a lot or parcel of land on which a building is located.

“Private Sanitary Lateral” means the portion of the sanitary sewer lateral from the building to the property line or up to and including the inspection tee.

“Private Water Service” means the portion of the water service from the building to the property line or up to and not including the curb stop.

“Wastewater Collection System” means any works for the collection, pumping, storage, or any part of such works, but does not include plumbing to which the Building Code Act, 1992 applies.

“Wastewater Collection Main” means a collection and transmittal pipe or main of the wastewater collection system excluding municipal and/or private sanitary laterals.

“Water Distribution Main” means any transmittal pipe or main of the drinking water system excluding municipal and/or private water services.

1.02 **Interpretation Rules:**

- (a) The Appendix attached to this by-law forms part of the by-law.
- (b) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

- (c) In this by-law, municipal water or wastewater service shall be deemed to be available if the City would be obliged to supply such service or services on request under section 86 (1) of the Municipal Act, 2001.

- 1.03 **Statutes:** References to laws in this by-law are meant to refer to the statutes, as amended from time to time, that are applicable within the Province of Ontario.
- 1.04 **Severability:** If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

Section 2.00: Mandatory Connection

- 2.01 Subject to section 2.02 herein the owner of any Building as defined herein where such service or services have capacity, shall be responsible for the physical installation of a private sanitary lateral and/or private water service at the Owners expense and shall be responsible for the payment of all fees and charges payable to the Municipality for the installation and connection of a municipal sanitary lateral and/or water service in accordance with the provisions of this By-law and any and all by-laws governing connections to municipal drinking water systems and wastewater collection systems upon failure and/or need for replacement of their existing private water supply and/or sewage/septic disposal system(s). For further explanation refer to Appendix 1: Connection Diagram.

2019-007 Effective January 15, 2019

- 2.02 Subject to section 2.01, in the event that water and/or wastewater services become available after the date of passage of this by-law, persons described in section 2.01 shall connect their premises directly to the services in accordance with section 2.01 upon failure of their private water and/or sewage/septic disposal system(s).

2019-007 Effective January 15, 2019

- 2.03 Notwithstanding sections 2.01 and 2.02, in the event that:

- i. the non-municipal source of potable water for a premises described in Section 2.01 or 2.02 is or may be contaminated or otherwise unsuitable for drinking water as determined by the Medical Officer of Health under the Health Protection and Promotion Act, R.S.O 1990, C.H.7, as amended; or
- ii. the private sanitary sewage septic system servicing a premises described in Section 2.01 or 2.02 is or may contravene the Environmental Protection Act, R.S.O. 1990, c.E.19 or the Building Code Act, 1992, S.O. 1992, c. 23; then

the owner of the premises shall connect the premises to the services immediately.

2019-007 Effective January 15, 2019

- 2.04 Section 2.04 to By-law 2014-255 is deleted in its entirety and replaced with the following:

2019-007 Effective January 15, 2019

- 2.05 Any appeals or requests for exemptions from sections 2.01, 2.02, ~~and 2.03 and 2.04~~ of this By-law shall be forwarded to ~~Council for consideration, the High Water Bill Adjustment and Mandatory Service Connection Appeals Committee as per Section 24.00 of By-law 2018-039 "A By-Law to Regulate Water and Wastewater Services in the City of Kawartha Lakes", as amended.~~

2019-007 Effective January 15, 2019

- 2.06 Subject to section 2.01, 2.02 or 2.03 of this by-law any Owner of a building on land that meet the requirements to connect to the municipal water and/or wastewater services shall be billed the ~~Fixed Rate charges for water~~ Mandatory Connect Fee - Water and/or wastewater Mandatory Connect Fee - Sewer as per the provisions of the By-law to Regulate Water and Wastewater Services in the City of Kawartha Lakes (By-law 2018-039, as amended) and the consolidated fees By-law 2018-234, as amended commencing January 1, 2020, following three (3) month of the mailing of a notice to the Owner shown on the current tax roll.

2017-181 Effective September 12, 2017

2019-007 Effective January 15, 2019

- 2.07 If the Owner fails to make a connection required by the conditions set out in this By-law, the City may make the connection at the sole expense of the Owner and for this purpose may enter into and upon the property of the Owner in accordance with section 435 to 439 inclusive of the Municipal Act, 2001. Failure to connect within a reasonable time from failure shall constitute an offence.

2019-007 Effective January 15, 2019

Section 3.00: Decommissioning and Disconnection of Private Services

- 3.01 **Private Well and/or Water Supply Disconnection:** Upon connection to the municipal drinking water system and upon obtaining a building permit under the Building Code Act to do so, all plumbing from private wells shall be disconnected from the building and maintained in accordance with O. Reg. 903, as amended, to the Ontario Water Resources Act, R.S.O. 1990, c. O.40.
- 3.02 **Failure to Disconnect Private Well and/or Water Supply:** In the event that a private well is to be disconnected from the building at the time the new municipal drinking water supply is connected, the City has the right to enter the property and inspect and perform works to ensure the plumbing for the private well or water supply is disconnected and decommissioned at the Owner's expense in accordance with sections 435 to 439 inclusive, and section 446 of the Municipal Act, 2001, as amended.
- 3.03 **Septic and/or Sewage Disposal System Disconnection:** All septic systems or any other sewage disposal system upon obtaining a permit under the Building Code Act to do so, shall be decommissioned after connection to the municipal wastewater collection system at the Owner's expense.

- 3.04 **Failure to Disconnect Septic and/or Sewage Disposal System:** In the event that a septic and/or sewage disposal system is not decommissioned in accordance with this by-law, the City has the right to enter the property and inspect and perform works to decommissioned private septic and/or sewage disposal systems at the Owner's expense in accordance with sections 435 to 439 inclusive, and section 446 of the Municipal Act, 2001, as amended.

Section 4.00: Failure to Connect

- 4.01 If the Owner fails to make a connection required by a Notice within the eighteen (18) month period, the City may make the connection at the sole expense of the Owner and for this purpose may enter into and upon the property of the Owner in accordance with sections 435 to 439 inclusive of the Municipal Act, 2001. Failure to connect by the date set out in the Notice shall constitute an offence.
- 4.02 If the Owner fails to decommission in accordance with this by-law, the City may undertake the works at the sole expense of the Owner and for this purpose may enter into and upon the property of the Owner in accordance with sections 435 to 439 inclusive of the Municipal Act, 2001. Failure of the Owner to decommission the private well and/or water supply by the date set out in the Notice shall constitute an offence.
- 4.03 The City may, at any reasonable time, enter land and/or building in accordance with section 436 of the Municipal Act, 2001 for the purpose of carrying out an inspection in accordance with this by-law, at the Owner's expense.
- 4.04 All persons exercising power of entry to carry out works under this by-law shall be accompanied by an employee or agent of the City and show identification as required by section 435 of the Municipal Act, 2001.
- 4.05 No person shall hinder or obstruct, or attempt to hinder or obstruct, any person exercising a power or performing a duty under this By-law.
- 4.06 The cost of work undertaken by the City in accordance with this by-law shall be added to the tax roll for the property by the Treasurer and be collected in the same manner as municipal taxes or in like manner, in accordance with the Municipal Act, 2001, sections 398 (2), 446 (3) and(5).

Section 5.00: Orders, Enforcement and Penalties

- 5.01 **Authority:** All authority pursuant to section 445 (1) of the Municipal Act, 2001 to issue Orders requiring persons who have contravened this by-law shall be and is hereby delegated to a Municipal law Enforcement Officer. Any and all authority delegated under this section may only be exercised in accordance with section 445 of the Municipal Act, 2001.
- 5.02 **Offence:** Every person who contravenes any provision of this by-law is guilty of an offence and upon conviction is liable to a fine as provided for by the Provincial Offences Act, R.S.O.1990, Chapter P.33, as amended.

- 5.03 **Offences:** Any person who contravenes any provision of this by-law is guilty of an offence, and upon conviction, is liable to a maximum fine of not more than \$100,000.00, as provided for by section 429 of the Municipal Act, 2001, as amended.
- 5.04 **Corporation:** A director or officer of a corporation who knowingly concurs in the violation or contravention by the corporation of any provision of this by-law is guilty of an offence and upon conviction, is liable to a maximum fine of not more than \$100,000.00, as provided for by Section 429 of the Municipal Act, 2001, as amended.
- 5.05 **Enforcement:** This by-law may be enforced by Municipal Law Enforcement Officers and police officers.

Section 6.00: Administration and Effective Date

- 6.01 **Administration of the By-law:** The Director is responsible for the administration of this by-law.
- 6.02 **Effective Date:** This By-law shall come into force on the date it is finally passed.

By-law read a first, second and third time, and finally passed, this 9th day of September, 2014.

Ric McGee, Mayor

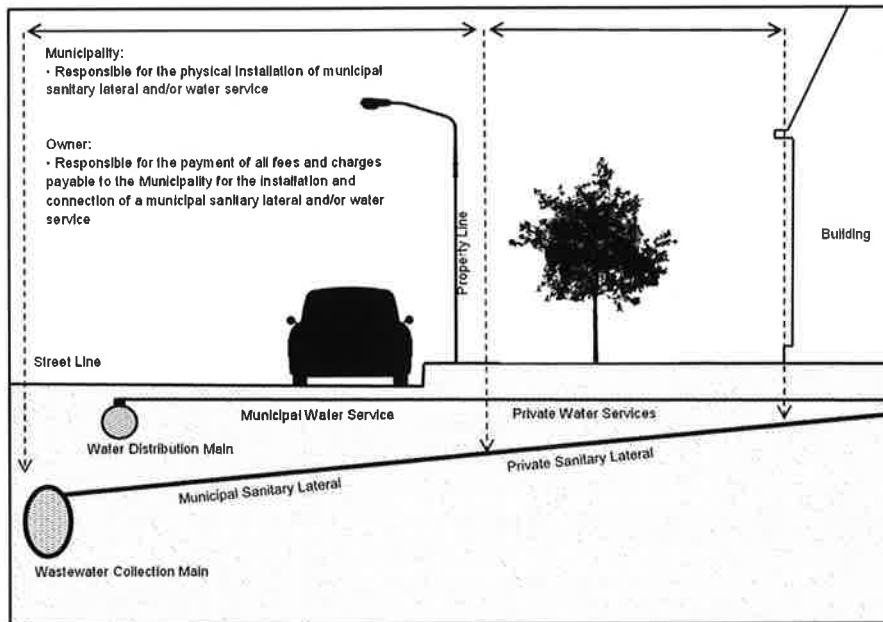
Judy Currins, City Clerk



2014-255 Set
Fines.pdf

Appendix 1 – Connection Diagram

Appendix 1: Connection diagram



The Corporation of the City of Kawartha Lakes

Office Consolidation of By-Law 2018-039

Report # MMN2019-011

Consolidated on April 2, 2019

Passed by Council on March 6, 2018

Amendments:

- | | | |
|--------------------|------------------|---------------|
| 1) By-law 2019-008 | January 15, 2019 | Section 24.00 |
| 2) By-law 2019-047 | March 26, 2019 | Schedule A |

Note: This consolidation is prepared for convenience only. For accurate reference the original by-laws should be reviewed.

The Corporation of the City of Kawartha Lakes

By-Law 2018-039

A By-law to Regulate Water and Wastewater Services in the City of Kawartha Lakes

Recitals

1. The *Municipal Act, 2001*, S.O. 2001, c.25 allows municipalities to pass By-laws governing public utilities and permitting the setting of fees and charges related to the supply of water and wastewater services to the public.
2. The *Municipal Act, 2001*, S.O. 2001, c.25, sections 79 and 80, allow a municipality to have reasonable access to buildings and land supplied with water to maintain the system.
3. The *Municipal Act, 2001*, S.O. 2001, c.25, section 83 allows for a municipality to require security be given for payment of the proper fees and charges for the supply of the public utility or for extending the public utility to the land.
4. It is deemed prudent to enact rules and regulations to provide for the management and general maintenance of municipal water and wastewater works and fixing the rates and charges to be paid by owners and occupiers. Also due diligent to ensure an acceptable level of service meeting or exceeding Ontario Provincial Standards, Ministry of the Environment and Climate Change Guidelines and special Conditions and Requirements of the City of Kawartha Lakes.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2018-039

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“Council” or “City Council” means the municipal council for the City;

“Cross Connection” means any actual or potential connection between the waterworks and any source of pollution, contamination, or other material or substance that could change the quality of the water in the waterworks. This includes any bypass, jumper connection, removable section of pipe, swivel or changeover device, and any other temporary or permanent connecting arrangement through which backflow can occur. Individual protection would be installed on fixtures or appliances that have the potential of contributing to a cross connection;

“CSA-B64 Series Standards” means the Canadian Standards Association standard for Backflow Preventers and Vacuum Breakers, as amended;

“Delinquent Account” means an account for service issued by the City which remains unpaid after the due date;

“Director of Public Works” means the person who holds that position and his or her delegate(s) or, in the event of organizational changes, another person designated by Council;

“Director of Engineering and Corporate Assets” means the person who holds that position and his or her delegate(s) or, in the event of organizational changes, another person designated by Council;

“Dwelling Unit” means a unit that is operated as a housekeeping unit, used or intended to be used by one or more persons and usually containing cooking, eating, living, sleeping and sanitary facilities;

“Fire Code” means the Ontario Regulation 213/07 made under Part IV of the *Fire Protection and Prevention Act, 1997*, S.O. 1997, c.4;

“Flat Rate” is the fee charged when there is no meter available to measure consumption for billing purposes and based upon average consumptive usage of 178 m³ annually.

“Frontage” is defined as:

- (a) Where the property is zoned agriculture, the length shall be the frontage of the residential usage portion only;
- (b) Where the property is not zoned for agricultural use, the length shall be the frontage along which the main runs;
- (c) Where a property is serviced on more than one side, the length shall be calculated for the side from which the property is being serviced;

“Frontage Charge” means the charge payable, based upon the frontage of the property, when required a condition of a severance or when a property is connected to a water and/or sanitary sewer service that hasn’t already been levied, to finance the maintenance, replacement and rehabilitation of existing underground infrastructure. Frontage charges are

“Municipal Law Enforcement Officer” means a peace officer appointed by Council pursuant to section 15 of the *Police Services Act*, R.S.O. 1990, c. P. 15, for the purpose of enforcing municipal By-laws;

“Occupier” means a person residing on or in a property; a person entitled to the possession of the property if there is no other person residing on or in the property; and a tenant or leaseholder; and, where that person is a corporation, shall include the officers, directors and shareholders of that corporation. An occupier includes an occupant;

“Other Charges” means those charges related to repairs, installations, services rendered, or other expenses, exclusive of charges included in water rates, frontage charges and sewage service rates, payable by the consumer as provided for in this By-Law or as directed by City Council;

“Owner” means a person that has any right, title, estate, or interest in a property, other than that of only an occupant and, where that person is a corporation, shall include the officers, directors and shareholders of that corporation, and shall include any person with authority or power over or control of that property on behalf of an owner. An owner includes a developer;

“Person” means a natural person, an association, a partnership or a corporation and the heirs, executors, administrators or other legal representatives of a person to whom the context can apply according to law;

“Premises” means any house, tenement, building, lot, or part of a lot, or both, in, through, or past which service pipes run;

“Private Hydrants” are situated within the limits of the property owned or occupied by the owner or occupier of the water, and/or installed at such locations to serve as exclusive fire protection for said buildings at such a site complex, i.e., institutions, condominiums, community centers, schools, etc.;

“Private Water Service Pipe” means the pipe, fittings and appurtenances which convey water from the water service connection at property line to a water meter, or to the point where the pipe and fittings connected to the water service connection enters a building or structure if there is no water meter;

“Private Sanitary Sewer Service Pipe” means the pipe, fittings, and appurtenances which convey wastewater from a building or structure to the property line.

“Property” includes but is not limited to both public and private lands, a house, building, structure, lot or any part of a house, building, structure or lot within the City, and is adjacent to water and/or sewage works and may be entitled to a service connection;

“Qualified Person” means a person whom meets the following requirements: is registered with the City’s Cross Connection Control

“Supervisor, Water and Wastewater Operations” means the person who holds that position and his or her delegate(s) or, in the event of organizational changes, another person designated by Council;

“Tenant” means a person that pays consideration to use or occupy land, a building or other property owned by another;

“Temporary Water Service” means:

- (a) A pipe installed from a public waterworks by the City, for a City project, and for a specified temporary period of time; and
- (b) A pipe installed with the permission of the Director for construction purposes;

“Treasurer” means the person within the administration of the City, which fulfills the function of the Treasurer as required by the *Municipal Act, 2001*, S.O. 2001, C.25;

“Valve” means a device for controlling the flow of water through a pipe. A valve on a service connection is also referred to as a stopcock, curb stop or shut-off valve;

“Water” means potable water supplied by the City;

“Water Account” means a record of water consumption and all fees and charges related thereto at and for a property;

“Watermain” means the pipe, valves and fittings attached thereto which transport and distribute water to abutting properties and/or general area;

“Water Service Pipes” means the pipe fittings that convey potable water from a connection a main or private main to the meter location, or, for a fire service, to the inside of the exterior wall of a structure;

“Water Works System” includes but is not limited to buildings, structures, plants, equipment, appurtenances, devices, conduits, intakes, outlets, underground pipelines and installations, and other works designed for the treatment, transmission, distribution and storage of water and includes lands appropriated for that purpose;

“Zone or Area Protection” is provided within a building or area of a building where a cross connection could occur due to installed equipment or work being performed.

1.02 Interpretation Rules:

- (a) The Schedules attached to this by-law form part of the by-law, and are enforceable as such.

- (h) Limiting or stopping the supply of water when there has been default of payment in accordance with the City's Water and Wastewater Billing and Collection Policy, or this By-law, as amended from time to time.

Section 3.00: Use and Receipt of Water

- 3.01 No person shall use, cause or permit water to be used other than in connection with the property to which it is supplied without prior written permission of the City, other than by authorized Kawartha Lakes Fire Services personnel acting in the course of their duties or other City personnel acting in the course of their duties.
- 3.02 No person shall sell water or otherwise similarly dispose of water without the prior written permission of the City, other than by authorized Kawartha Lakes Fire Service personnel or other City personnel acting in the course of their duties.
- 3.03 No person shall obtain water without paying the applicable charges, fees or rates for that water, except with the prior written approval of the City other than authorized Kawartha Lakes Fire Services personnel or other authorized City personnel acting in the course of their duties.
- 3.04 The City does not guarantee any pre-determined water pressure or flow, or guarantee the water supplied to be free of colour, turbidity, taste or odour at all times.

Section 4.00: Installation and Maintenance of the Distribution and Collection Systems

- 4.01 Any and all work having to do with the supply of water and collection of wastewater, with the laying, repairing, renewing or the taking up of a watermain, sanitary sewer or service pipes on municipal property shall only be carried out where authorized by the officers, agents or servants of the City.
- 4.02 Any persons before proceeding with, or authorizing any construction, that will occur under, across or along any watermain, sanitary sewer or other water or sewage works forming any part of the City's system(s), shall seek approval from the City by providing in writing of their intention to proceed with the same. If, in the opinion of the City, it becomes necessary to support or relocate any watermain, sanitary sewer or other water or sewage works, the cost of such work shall be at the sole expense of the applicant. The City has the authority to supervise and/or direct such works, which shall be at the sole expense of the applicant.
- 4.03 No person, except those authorized by the City, shall:
- (a) Tap-off, interfere or make any connection with a watermain and/or sanitary sewer;
 - (b) Turn off, turn on or interfere in any manner with any watermain valve;
 - (c) Turn off, turn on or interfere in any manner with any service pipe; or

- (b) All water and/or sanitary sewer connections within municipal property shall be constructed by an Service Connection Contractor approved by the City.
- (c) The City retains the right to inspect and/or supervise any and/or all work performed on private property that relates to the installation of a connection to a City service pipe, not under the jurisdiction of the *Building Code Act*. This may require the hiring of a Licensed Operator. If in the opinion of the City, the installation is not completed in accordance with all applicable laws, including, but not limited to, the *Building Code Act*, and/or the standards and specifications of this By-law, it shall be made to conform, at the owner's expense.
- (d) In the event that a person connects to the City's water and/or sanitary sewage works, and/or installs a water and/or sanitary sewer service connection in a manner other than provided for in this By-Law, the Director of Engineering and Corporate Assets has the authority to order, at the owner's expense:
 - i. Re-excavation of the connection for the purpose of inspection and testing and subsequent reinstallation of the works in compliance with this By-Law; or
 - ii. Disconnection of the service connection, which shall not be reinstalled and/or reconnected without the prior written permission of the appropriate Director and must be within full compliance with the requirements of this By-Law.
- (e) A separate and independent water and sanitary sewer service and water meter shall be required for:
 - i. Each single family dwelling;
 - ii. Each unit of a semi-detached building;
 - iii. Each dwelling unit of a linear row housing building or tenement;
 - iv. Apartment buildings;
 - v. Commercial buildings;
 - vi. Condominium apartment buildings; and
 - vii. Industrial buildings.
- (f) Any exemptions to section 5.03 (e) shall be at the discretion of the Director of Engineering and Corporate Assets and all approvals for exemptions shall be in writing.
- (g) Each and every water service connection shall be equipped with a shut-off valve that shall be located on municipal property or a location authorized in writing by the Director of Engineering and Corporate Assets, such valve(s) shall be the property of the City.
- (h) Each and every water and sanitary sewer service connection shall be installed and connected to the City's watermain and/or sanitary sewer along the frontage of the property unless otherwise authorized in writing by the Director of Engineering and Corporate Assets.
- (i) A separate connection service meter installed for irrigation and/or fire sprinkler systems is not permitted.
- (j) Shut-off valves for all water services, irrigation and/or fire sprinkler systems shall be fully accessible to the City. If shut-off valves are not accessible, the City will undertake relocation work to ensure the valves are accessible. All costs associated with relocation shall be at the owner's expense.

and/or sanitary sewer service pipe or private fire service main or both except:

- i. Upon the prior written approval of the appropriate Director;
- ii. Upon the payment of all applicable fees and charges in respect to the disconnection; and
- iii. When work is in complete compliance with applicable Guidelines and this By-Law.

6.02 Maintenance and Use:

- (a) The owner or occupier of a property shall keep all private water/sanitary sewer service pipes and private fire service mains on that property, including but not limited to fittings, valves, meter chambers and supports thereof, in good working order and repair at all times.
- (b) The owner or occupier of a property shall repair any and all leaks, defects or malfunctions in, of, or on the private water/sanitary sewer service pipes or private fire service mains on that property, including leaks, defects or malfunctions related to valves, fittings or corroded piping, as soon as possible once they are made aware of any such leaks or defects or malfunctions, in accordance with all applicable City By-Laws and provincial legislation.
- (c) In the event that an owner or occupier fails to keep all private water/sanitary sewer service pipes and private fire service mains on that property, including but not limited to fittings, valves, meter chambers and supports thereof, in good working order and repair at all times or refuses to repair any and all leaks, defects or malfunctions in, of, or on the private water/sanitary sewer service pipes or private fire service mains on that property, including leaks, defects or malfunctions related to valves, fittings or corroded piping, the Director of Public Works is authorized to issue an order to the owner or occupier to do so.
- (d) The owner or occupier shall comply with an order issued under subsection 6.02 (c) no later than forty-eight (48) hours after issuance.
- (e) If an order is issued under subsection 6.02 (a), 6.02 (b) or 6.02 (c), the owner or occupier shall pay the amount specified in the City's Consolidated Fees By-law with respect to any water not registered by the meter or for any water loss, for each day an order of the Director under subsection 6.02 (d) is out of compliance.
- (f) Notwithstanding subsection 6.02 (e), where the owner or occupier can provide, to the satisfaction of the Director of Public Works, an accurate record of actual water loss as a result of the leak, defect or malfunction, the amount payable may be adjusted to be equal to the amount so recorded, to the satisfaction of the Director of Public Works.

6.03 Investigation/Disputes:

- (a) Where an owner or occupier disputes the City's determination of the location of a leak or defect in a service connection, the owner or occupier may apply in writing to the Director of Public Works to request the City to conduct an inspection of the service connection and to perform whatever excavation may be necessary.

- (e) The owner shall pay the amounts specified in the Consolidated Fees By-Law, for the turn off of the water supply to the property and shall pay all City costs related to the disconnection of the water service connection from the water and sewage works in accordance with section 5.00 of this By-Law.
- (f) In the event an owner fails to provide access to a property prior to demolition of a building on the property, in accordance with subsection 7.01 (b), the owner shall pay to the City an amount equal to the cost of a new water meter and remote readout unit of the same type and size that was unable to be recovered by the Treasurer from the property in accordance with the amounts specified in the Consolidated Fees By-Law.
- (g) In addition to the amounts payable under subsection 7.01 (f), the owner shall also pay for the amount of water consumption from the last water meter reading date to the date of the disconnection of the water service connection from the waterworks, estimated by the Treasurer in accordance with subsection 10.03 (h).
- (h) Notwithstanding subsections 7.01 (e) and 7.01 (f), if the Treasurer determines that it is not necessary to recover a water meter from a property to be demolished, the Treasurer shall notify the owner in writing.
- (i) Upon receipt of a notice from the Director of Public Works following the inspection required under subsection 7.01 (b), and provided that the water meter has been removed or determined unrecoverable per subsection 7.01 (h), the owner may proceed with the demolition.
- (j) The owner shall be responsible for the payment of the fixed rate charge specified in Schedule "A" to this By-Law.

Section 8.00: Construction Water

8.01 Construction Water for Building:

- (a) For all newly constructed buildings where a Building Permit is issued and municipal water services are available, a construction water charge as per the Consolidated Fees By-law will be charged at the time of Building Permit issuance.
- (b) The water shall be used solely for the construction of the building for which the building permit is issued, which includes normal concrete and masonry work and other minor uses on the subject property and shall not be utilized for compaction or lawn watering purposes.
- (c) The City is authorized to terminate the supply of water to a property where a person has been authorized for construction water use and is found to be using construction water for compaction, lawn watering, use in a model home or where construction water is used to service more than one separately assessed parcel of land or other purpose deemed to be unacceptable by the City.
- (d) The owner shall pay all costs for the installation of any temporary or permanent water service connection of any size and all costs for the disconnection of any temporary water service connection.
- (e) The commencement date shall be the date the construction water is connected by the City and is valid for a three-month period from that date.

- (a) If authorization in writing is granted by the City for the temporary use of a fire hydrant for the supply of construction water, a temporary hydrant meter, valve and backflow prevention device shall be installed on the hydrant.
- (b) The City shall supply, install and seal the temporary hydrant meter, valve and backflow prevention device.
- (c) The owner and/or contractor shall pay the temporary hydrant meter fee as established in the Consolidated Fees By-Law prior to the installation of the temporary hydrant meter. This fee includes supply and install of the temporary hydrant meter, valve and backflow prevention device.
- (d) The owner and/or contractor shall pay for all water supplied from the fire hydrant as per Schedule "A" of this By-Law.
- (e) The owner and/or contractor shall protect the temporary hydrant meter, backflow prevention device and fire hydrant from freezing or any other damage, at all times, to the satisfaction of the City.
- (f) If any loss or damage occurs to the temporary hydrant meter, backflow prevention device, valve or fire hydrant the owner shall immediately notify the City and shall pay all costs associated with the replacement or repair of the temporary hydrant meter, backflow prevention device or fire hydrant.

Section 9.00: Meter By-pass

- 9.01 No pipe connection shall be made to a water service pipe other than after the outlet side of the water meter, except where a by-pass around the meter has been approved in writing by the City.
- 9.02 An approved water meter by-pass shall be equipped with a shut-off valve that upon notification of its installation by the owner shall be sealed in the closed position by the City.
- 9.03 A properly installed by-pass, including sealed valve around the water meter shall be provided at the expense of the owner or occupier of the premises on which the water meter is located when required by the City.
- 9.04 No person shall break the City's seal on a by-pass valve, without the expressed authorization of the City.
- 9.05 If the owner or occupier fails or refuses to supply the by-pass pipe or valve(s) to the satisfaction of the City, the Director of Public Works has the authority to order the owner or occupier:
 - (a) To supply and install a new or replacement water meter by-pass pipe or valve(s);
 - (b) To remove any defective pipe or valve(s) and install new pipe or valve(s); and
 - (c) To repair and maintain the water meter by-pass pipe or valve(s), to the satisfaction of the City, at the owner or occupier's expense
- 9.06 An owner or occupier shall comply with a Director's order made under subsection 9.05 within seven (7) calendar days from issuance of the order.

business days of the date of the letter, as referenced in subsection 10.03 (b), the Treasurer shall send a further letter by registered mail advising of the water meter installation date.

- (f) If the owner or occupier fails to respond to the letter referenced in subsection 10.03 (d), the Treasurer shall issue a final notice by registered mail stating that if the owner or occupier does not make suitable arrangements within five (5) business days for the installation of a water meter on the property, water services may be terminated with all costs for shut-off and turn-on to be added to the account in accordance with the Consolidated Fees By-Law. The Treasurer has the authority to issue an order under subsection 10.06 (b).
- (g) Water service discontinued as a result of action under subsection 10.03 (e) shall remain turned off until such time as a water meter has been installed and the provisions of this By-Law are complied with in full.
- (h) The water meter shall be prima facie evidence of the quantity of water supplied by the City.
- (i) In the event that a meter is found to not be registering, or is not registering correctly, the Treasurer has the authority to charge for consumption at the average rate for the previous year or, at a reasonable rate to be determined by the Treasurer.

10.04 Supply and Payment for Water Meters:

- (a) The City shall be the sole supplier of all water meters registering consumption of water supplied and billed by the City.
- (b) Strainers and connection fittings including water meter flanges to be attached to the water meter shall be provided by the City when required.
- (c) The City shall retain ownership of all water meters, strainers and connection fittings including the water meter flanges supplied by the City.
- (d) The owner or occupier shall pay the amounts specified in the Consolidated Fees By-Law for the water meter supplied by the City in accordance with subsection 10.04, at the time of Municipal Service Connections Application and/or Building Permit issuance, except where:
 - i. The property is a property to which the City supplies water meters as part of the automated meter reading program and replacement program; and
 - ii. The program exempts such fees and charges.
- (e) No water and sanitary sewer service connection shall be approved by the City until all amounts required to be paid under subsection 10.04 (d) have been received.

10.05 Supply of Water – New Installation:

- (a) No person shall turn on the water supply to a property other than authorized Kawartha Lakes Fire Services personnel or other authorized City personnel acting in the course of their duties or as an authorized agent or contractor of the City expressly acting within the

- (a) Water obtained from a City owned bulk water fill station shall be metered and bulk water consumption fees as per Schedule "A" to this By-Law shall be paid.
- (b) There shall be no mixing of pesticides or other chemicals deemed to be harmful to bulk potable water by the City on City owned property where there is a bulk water fill station.
- (c) It is the responsibility of the person obtaining water from the bulk water fill station to supply their own connections, hoses, containers, etc. that have been strictly used for potable water.

Section 11.00: Care and Operation of Meter

11.01 Owner's or Occupier's Responsibility:

- (a) The owner or occupier of the premises on which a water meter is to be located shall be responsible for:
 - i. Paying the fee for the supply and installation of the water meter and remote reader in accordance with the Consolidated Fees By-Law;
 - ii. Protecting the water meter and remote reader from damage including freezing or destruction;
 - iii. Providing at all time easy access to the water meter and remote reader to the City for the purposes of meter reading, checking, repairing, installation and removal in accordance with subsection 12.02 of this By-Law;
 - iv. Paying the cost to repair or replace a damaged or stolen water meter or remote reader; and
 - v. Paying the cost to change the size of a water meter due to change in water use.
- (b) An owner or occupier shall be responsible for any and all water loss or water discharge that occurs and may be a result of, but not limited to: freezing, hot water, damage from any cause in a private water service pipe, private water system or private fire service main on that owner's property.
- (c) Thawing of frozen water service pipes shall be the owner's or occupier's responsibility.
- (d) Charges as a result of replacement of a damaged meter shall be added to a subsequent water/wastewater utility bill.
- (e) An owner or occupier shall immediately notify the City of any breakage, stoppage or irregularity of performance issues related to the water meter.
- (f) If a water meter is lost or damaged, the owner or occupier shall immediately notify the City. The City will undertake any repair or removal of a damaged water meter or the installation of a new water meter of a similar size and type or both, all at the expense of the owner or occupier.
- (g) The City shall not be responsible for any damage to buildings or property in the course of, the installation, maintenance, repair or disconnection of any water meter, provided that the employees or agents of the City in the course of such installation, maintenance, repair or disconnection of any water meter, provided that the

water meters and all applicable law, including but not limited to the *Occupational Health and Safety Act*.

- (e) As part of an inspection, the City shall at all times be permitted to take photographs, including digital images, or any water meter, private meter, by-pass pipe and valves, inlet and outlet valves, backflow prevention device, private water system, private water service pipe, private fire service main or water meter chamber.

- 12.03 Any owner or occupier who fails to report to the City that a meter has been installed, shall be back-charged to the date the occupancy permit was issued, for water consumption and wastewater use (where applicable) and include a fixed rate charged on a prorated basis, to be estimated at the discretion of the Treasurer.

Section 13.00: Meter Reading

- 13.01 Every owner and occupier shall, at reasonable times and on reasonable notice, permit the City to have free, clear and unobstructed access to that person's property and to the location where a water meter is installed on that property to permit the City to read the water meter which has been installed.

Section 14.00: Meter Testing On Request of Owners/Occupiers

- 14.01 Any meter shall be removed and tested upon the written request of the owner or occupier to determine if the water meter is over-registering the amount of water consumed at the property.
- 14.02 If the water meter is found to register correctly, slowly or not to exceed three percent (3%) in favour of the City of the actual flow, the person requesting meter removal and testing shall pay the expense of removing and testing the meter.
- 14.03 The minimum charge for testing a meter shall be in accordance with the Consolidated Fees By-Law. If said meter test shows the meter to be registering incorrectly, no charge for testing shall be levied in accordance with the Consolidated Fees By-Law.
- 14.04 Charges incurred under subsection 14.03 shall be added, if required, to the subsequent water/wastewater utility bill.
- 14.05 If a meter, when tested, is found to register in excess of three percent (3%) of the actual flow in favour of the City, a refund shall be made to the owner or occupier in an amount equal to such excess percentage on the invoice for the one (only) quarterly period immediately prior to the testing of said meter.
- 14.06 The City may, at its sole discretion, make periodical inspections or tests of meters on the distribution system and reserves the right to substitute other meters for existing meters, owned by the City.

- 16.06 The City, at its sole discretion, has the authority to remove any obstruction, to operate fire hydrants or valves, or to repair water lines, and shall not be liable for damages that may result from the replacement or repair.
- 16.07 Private fire hydrants shall be maintained accessible at all times and in good operating condition by and at the expense of the owner.
- 16.08 Water from privately owned hydrants shall not be used for purposes other than fire-fighting and maintenance of water quality unless the purpose is specifically approved by the Director of Public Works .
- 16.09 Private hydrants shall be tested and maintained on an annual basis by a Licensed Operator, at the owner's expense and in accordance with the Fire Code. Annual inspection/testing reports must be submitted to the City.
- 16.10 Where a fire flow test from a municipal fire hydrant is required by a property owner or occupier (i.e., for insurance requirements), and the property owner or occupier has hired a company to perform flow testing, the City shall be on-site during testing to operate fire hydrants and associated valves. A request must be made to the City seven (7) days prior to testing. The fee for this service is as noted in the Consolidated Fees By-Law.

Section 17.00: Water System Cross Connection Control and Backflow Prevention

17.01 Installation:

- (a) No owner or occupier shall connect, cause to be connected or allow to remain connected, any piping fixture, fitting, container or appliance, in a manner which under any circumstances, may allow water, wastewater or any harmful liquid, gas, vapour or other substance to enter the waterworks system.
- (b) Where, in the opinion of the City, there is a risk of contamination at a property, the owner or occupier of the property, upon issuance of an order from the Director of Public Works, shall install a backflow prevention device(s) approved by the City for the purpose of achieving premise isolation, regardless of any other protective device that may be installed on the private water system.
- (c) An owner or occupier of any Industrial, Commercial or Institutional buildings, which are deemed to present a moderate to severe hazard (as per Ontario Building Code, O. Reg. 332/12) and are connected to the City's waterworks shall be required to install in the building(s), a backflow prevention device as approved by the City to achieve premise isolation, at the owner or occupier's expense.
- (d) All backflow prevention devices required for premise isolation shall be selected, installed, replaced, maintained and tested by the owner in accordance with this By-Law, the *Building Code Act*, City policies and current CSA-B64 Series Standards.

- (c) If an owner or occupier fails to have a BPD tested within ninety-six (96) hours when requested by the City, the City may shut off the water service until the BPD has been tested and approved pursuant to subsections 17.02 (a) of this Section.
- (d) If a condition is found to exist due to negligence, such as failure to have BPD inspected or tested or failure to maintain the backflow prevention device in good working condition, which in the opinion of the City is contrary to the aforesaid, the Director of Public Works may:
 - i. Shut off the service or services; or
 - ii. Issue an order to the owner or occupier to correct the fault at his or her sole expense within forty-eight (48) hours of receiving the order.
- (e) If the Director of Public Works determines that a contravention of subsection 17.01 (a) may exist at a property, the Director may immediately carry out an inspection and may issue an order or orders to the owner or occupier of the property or any other person who may be required to remedy the contravention.
- (f) Should the owner or occupier fail to comply with such order, the Director of Public Works shall proceed to administer penalties to the owner or occupier pursuant to subsection 25.01 of this By-Law. In the event that it is determined that this condition existed prior to this By-Law coming into effect, the owner or occupier shall remedy it as stated above.
- (g) If a test of a backflow prevention device reveals that the device is not in proper working condition, or is not in conformance with the Guidelines, the owner or occupier shall repair or replace the device within forty eight (48) hours of the performance of the test.

17.03 Access:

- (a) The City shall be allowed access, upon reasonable notice, to any premises that are connected to the waterworks system for the purpose of performing an inspection to locate possible cross connections.
- (b) Where access is not provided, a written notice by the City shall be issued allowing fourteen (14) days to provide access. If access is not provided within this time frame, the City may, at its sole discretion, discontinue the supply of water to the premises until such time as access is provided for such access to occur.
- (c) Every backflow prevention device shall be installed in a location that is readily accessible as determined by the City, for operational, renewal, servicing, and maintenance and inspection purposes.
- (d) The location of the backflow prevention device shall be accessible without the use of a portable ladder or the necessity of climbing over or removal of an obstacle.
- (e) The City may, at reasonable times or in the case of an emergency, at any time, enter a property for the purpose of inspecting or testing a private water service pipe, private water system, a private fire service main, a backflow prevention device.
- (f) Owners and occupiers shall remove any insulating or other material on or adjacent to the private water service pipe, private water system, private fire service main, backflow prevention device so that full access

- (b) The owner or occupier shall submit to the City a survey prepared and signed by a Qualified Person attesting to the fact that the device or devices are no longer required; and
- (c) The device shall not be removed until the City approves of the removal, which approval shall be made if the altered system no longer requires the device or devices in accordance with the standard and specifications and the CSA – B64 Series Standards; and
- (d) The cost of obtaining the necessary documentation under this subsection shall be the responsibility of the owner or occupier, or as otherwise authorized by the City.

Section 18.00: Right to Refuse Water Service

18.01 Delinquent Account:

- (a) No application shall be accepted by the City for the supply of water for any premises in respect of which water and/or wastewater rates, rents, or the price of service extension are owed to the City, until the account is paid.
- (b) The City has the right to turn off water supply and/or withhold from any person with a delinquent account with the City, regardless of the reason, until the amount owing is paid, whether such person resides on the premises where the water was used for which there are arrears, or on any other premises where water was supplied.
- (c) The City shall not be held liable for any damages that occur directly or indirectly as a result of a shut-off or turn-on of the water supply. It is the property owner and/or occupier's responsibility to ensure the internal plumbing and appliances are properly maintained at all times, and in the case of cold weather, that lines are drained to prevent damage due to freezing and thawing.

18.02 Water Shut-off Initiated by the City:

- (a) Except in cases of emergency, no person shall turn on or shut off or permit the turn-on or shut-off of the water supply to a property at the shut-off valve without the authorization of the City.
- (b) If the water supply to a property has been shut off by the City, no person shall turn-on or use the water supply or permit the water supply to be turned on or used without the prior written approval of the City.
- (c) The City may shut off the supply of water to a property if:
 - i. The charges, fees or rates imposed by this By-Law or any other By-Law or City By-Law providing for charges, fees or rates in relation to the treatment and supply of water or collection and treatment of wastewater are overdue; or
 - ii. A fine imposed under this By-Law remains unpaid after the time required for payment of the fine has expired; or
 - iii. The owner or occupier has failed to comply with an order of a Director or Treasurer made under this By-Law within the time required for same; or
 - iv. A leak or other fault is found on the private water service pipe or water service connection and is creating or is likely to create an emergency situation, including but not limited to injury to

servants or agents shall not be held liable for any damage resulting there from, whether or not notice of the shut off was given.

- 19.03 The Director of Public Works has the authority to suspend the use of City owned bulk water fill stations during maintenance and/or emergency conditions.

Section 20.00: Responsibility of Owners and Occupiers

- 20.01 Where a new service has been installed or where the water has been turned off to an existing service, a request to activate the service must be received by the City a minimum of five (5) business days in advance of when the service is required and the request must be made by the property owner or occupier.
- 20.02 Every owner or occupier taking water shall, at their sole expense, keep their service pipe, private hydrant, other appurtenance and all plumbing fixtures connected within his premises, in good condition and sufficiently protected from frost, hot water, blows, and injuries from any or all other cause.
- 20.03 The City shall not be held responsible for any damage arising from the owner's or occupier's failure to comply with 20.02.
- 20.04 The owner or occupier's responsibility shall extend from the service box, at or near the street line limit, into the building.
- 20.05 If a condition is found to exist in subsection 20.02 of this by-law which, in the opinion of the City, results in the loss of water or may be jeopardizing the potability of the water supply, the City may either:
- (a) give notice to the owner or occupier to correct the fault, at the owner's or occupier's sole expense within a specified period, or
 - (b) shut off the water service or services until such time that corrective action, satisfactory to the City, has been taken by the owner or occupier at the owner's or occupier's sole expense.
- 20.06 When any property left vacant, unattended or without heat, where the water supply has not been shut off at the shut off valve by the City, and the property suffers damage to it and its contents from a leaking or burst water pipe, neither the owner nor occupier shall have a claim against the City.
- 20.07 When any property is left vacant, unattended or without heat, it is the owner's or occupier's responsibility to shut off the water supply from within the property and to properly drain the piping/private water service therein. Furthermore, it is the responsibility of the owner or occupier to contact the City to make the necessary arrangements to stop the supply of water to the property.
- 20.08 If the condition is found to exist after the owner or occupier has been notified, the City may, at its sole discretion, enter upon the lands where

- (d) Except in the case of an emergency or maintenance being performed on the waterworks by the City, the owner or occupier shall be present at the property when the water is either shut off or turned on by the City.
- (e) The owner or occupier shall have no claim whatsoever against the City by reason of any shut-off's that produce plumbing leaks when water is turned on. It is the property owner's responsibility to ensure the internal plumbing and appliances are properly drained to prevent damage due to freezing and thawing.

Section 22.00: Water Conservation Measures

- 22.01 At the City's discretion, no owner or occupier shall be allowed to use in any manner whatsoever, the water supplied by the City upon streets, lawns, gardens, yards, or grounds of any description, except during those hours set by resolution, policy, or By-Law by the City.
- 22.02 The Director of Public Works shall give reasonable notice, in the circumstances, to the public of the implementation of water conservation measures, the date on which it is to take effect and the conditions of the water conservation measure.
- 22.03 Where the Director of Public Works has declared, lifted or downgraded water conservation measures in accordance with this By-Law, he or she shall cause notification to be made to the affected property owners by advertisement in various media outlets, including but not limited to local newspapers, other media, posting on the City's website, etc.
- 22.04 The City has the authority to implement water conservation measures when one or more of the following signs are observed and/or continue:
- (a) Well water levels are starting to drop below seasonal levels;
 - (b) Pump running times are longer than normal;
 - (c) Dry weather is predicted; and/or
 - (d) Water demand is higher than normal.
- 22.05 Where the Director of Public Works has declared that Phase One measures shall be implemented the following conditions apply:
- (a) A property with an odd-numbered municipal address shall water lawns, sports fields, grassy areas, trees, shrubs, gardens, flowers or other vegetation at that property on a day which is identified on the calendar with an odd number;
 - (b) A property with an even-numbered municipal address shall water lawns, sports fields, grassy areas, trees, shrubs, gardens, flowers or other vegetation at that property on a day which is identified on the calendar with an even number;
 - (c) Water of lawns, sports fields, grassy areas, trees, shrubs, gardens, flowers or other vegetation shall only be watered between the hours of:
 - i. Six o'clock (6:00 a.m.) in the morning and nine o'clock (9:00 a.m.) in the morning, or
 - ii. Seven o'clock (7:00 p.m.) in the evening and ten o'clock (10:00 p.m.) in the evening.

- (c) Connection charges shall be paid as noted in the Consolidated Fees By-Law, prior to connection works commencing.

23.02 Costs of Disconnection of Service Connection:

- (a) In the event that an owner requests a disconnection of a service connection, the City shall determine:
 - i. The cost of providing that disconnection under the amounts specified in the Consolidated Fees By-Law, for that type of service disconnection, as may be established by the City from time to time; and
- (b) The property owner is responsible for all costs for the disconnection as required by the City including but not limited surface restoration, actual disconnection from main.

23.03 Temporary Hydrant Water Meter Fees:

- (a) If a person applies for a metered construction water service connection, either temporary or permanent, water shall be metered from the date water is first supplied to the property.
- (b) Water consumption registered on the water meter shall be billed in accordance with current City water rates.
- (c) No monthly construction water rate shall apply provided the water meter remains installed, undamaged, sealed and functioning properly.
- (d) Payment for all construction water shall be due immediately following use.
- (e) The City shall shut off the supply of water to the property if the fees and charges for the construction water are not paid in full when due.
- (f) The City shall not be obligated to turn the water on until the time that the construction water charges have been paid in full.

23.04 Shut-off and Turn-on by Request Fees: The owner or occupier shall pay to the City, for any shut off or turn on of the water supply to a property, the amount specified in the Consolidated Fees By-Law.

23.05 Water and Wastewater Service Charges:

- (a) A special meter reading charge as identified in the Consolidated Fees By-Law shall be charged to an individual service account when a reading is required for billing purposes at a time other than during the normal billing cycle.
- (b) A new account fee charge shall be charged to an individual service account at the time that the new account is commenced as per the Consolidated Fees By-Law.
- (c) A duplicate bill fee shall be charged as identified in the Consolidated Fees By-Law when a request has been made to provide the account holder with an additional copy of the bill.
- (d) Where an account holder has submitted a post-dated cheque for payment, and has requested the cheque be returned, a fee will be charged for the retrieval and return of the payment as identified in the Consolidated Fees By-Law.
- (e) Where an account holder has erroneously made an electronic payment to an account which is no longer in their name, the first transfer to the

this By-Law, commencing ~~three (3) months following written notification of commencement of fees~~January 1, 2020.

- (t) The owner or occupier of each separately assessed parcel of land that is connected to the sanitary sewer system shall pay a sewer consumption rate based upon water consumption shown through the water meter as set out in Schedule "A" of this By-Law.
- (u) The owner or occupier of each separately assessed parcel of land that has been issued a water meter by the City and will be connecting to the sanitary sewer system shall pay a fixed rate charge for sewer usage as set forth in Schedule "A" of this By-Law, commencing upon issuance of the meter by the City.
- (v) The owner or occupier of each separately assessed parcel of land that fronts a sanitary sewer main and is subject to the requirements of By-Law 2014-255 "Mandatory Connection By-Law" shall pay ~~a fixed rate charge for sewer~~Mandatory Connect Fee - Sewer as set forth in Schedule "A" of this By-Law, commencing ~~three (3) months following written notification of commencement of fees~~January 1, 2020.
- (w) The owner or occupier of each separately assessed parcel of land that is connected to a watermain where a water meter has not been installed shall pay a calculated water flat rate as set out in Schedule "A" of this By-Law.
- (x) The owner or occupier of each separately assessed parcel of land that is connected to the sewer system, and where the water consumption is not measured through a water meter, shall pay a calculated sewer flat rate for sewer charges as set out in Schedule "A" of this By-Law.
- (y) The owner or occupier of each separately assessed parcel of land who receives sewage service but not receive water supply service from the City, shall pay a calculated sewer flat rate as set forth in Schedule "A" to this By-Law.
- (z) The rates set out in Schedule "A" of this By-Law are effective upon passage of this By-law and may be amended from time to time.
- (aa) Where customers are invoiced for more than one flat rate charge per unit, these charges are based upon historical calculations undertaken prior to amalgamation, and will continue until repealed.

23.06 Billing and Payment Requirements:

- (a) The City's Revenue and Taxation Division shall invoice residents on a quarterly basis, or at an alternate frequency as approved by Council, except where otherwise indicated in this By-Law.
- (b) Where necessary, quarterly invoices may be based upon estimates until the next reading may be obtained from the property.
- (c) In the case of payments received by mail, the date the payment is received shall be taken as the date of payment.
- (d) In the event the Treasurer determines that:
 - i. A meter is defective;
 - ii. A meter is not registering the correct amount of water used;
 - iii. The water meter reading has been incorrectly recorded;
 - iv. The person authorized to do so has been unable to obtain a water meter reading;
 - v. No water meter reading has been remitted to the City by the occupant or owner when requested to do so;

- (o) All water and wastewater rates and other charges shall be a lien and charge upon the land of the owner, whether consumed by the owner of the land, or a tenant of the land.

23.07 Late Payment Charges: All fees and charges, including water and wastewater service rates, which are in arrears, levied under this section and which are added to the water accounts, shall be subject to a late payment charge, as identified in the Consolidated Fees By-Law.

~~Section 24.00: High Water Bill Adjustment and Mandatory Service Connection Appeals Committee~~

~~2019-008 Effective January 15, 2019~~

~~24.01 High Water Bill Adjustment and Mandatory Service Connection Appeals Committee:~~ ~~A High Water Bill Adjustment and Mandatory Service Connection Appeals Committee is established to hear and rule on appeals pertaining to high water bill adjustments and the requirement for mandatory service connections (required by Section 2.01, 2.02 and 2.03 of By-law 2014-255, as amended).~~

~~2019-008 Effective January 15, 2019~~

~~24.02 Authority:~~ ~~The High Water Bill Adjustment and Mandatory Service Connection Appeals Committee may recommend to Council approval of high water bill adjustments or exemptions from mandatory service connections without prejudice or precedent to any other similar matter.~~

~~2019-008 Effective January 15, 2019~~

~~24.03 Composition and Appointment:~~ ~~The High Water Bill Adjustment and Mandatory Service Connection Appeals Committee shall be comprised of three members of Council appointed by Council.~~

~~2019-008 Effective January 15, 2019~~

~~24.04 Term:~~ ~~The Term of the Appointment of the High Water Bill Adjustment and Mandatory service Connection Appeals Committee shall be the same as the term of Council.~~

~~2019-008 Effective January 15, 2019~~

~~24.05 Administration:~~ ~~The High Water Bill Adjustment and Mandatory Service Connection Appeals Committee shall ensure that a member of City staff is assigned the role of secretary to the Committee with duties and obligations required in accordance with the Municipal Act.~~

~~2019-008 Effective January 15, 2019~~

~~24.06 Governance:~~ ~~The High Water Bill Adjustment and Mandatory Service Connection Appeals Committee shall be governed by the City's Procedural Water and Wastewater By Law as amended from time to time by Council. With respect to Mandatory Service Connection appeals, appeals/exemptions to requirements of Section 2.01, 2.02 and 2.03 of By-law 2014-255 "A By Law to Require Owners of Buildings to Connect Such Buildings to Drinking Water Systems and/or Wastewater Collection Systems in the City of Kawartha Lakes" (as amended), shall be considered by the Committee.~~

~~2019-008 Effective January 15, 2019~~

Section 25.00: General Provisions

25.01 Access:

- (a) No person shall deny access to the City to a property for any purpose as provided for in this By-Law.
- (b) No person shall deny access to the City to a property where that person has been given reasonable notice by the City, as the case may be, of the intent to exercise a power of entry in accordance with the *Municipal Act, 2001*.
- (c) The City may, in accordance with the requirements of this By-Law, enter upon a property to which water is supplied and wastewater collected by the City:
 - i. To inspect, repair, alter or disconnect the service pipes or wire, machinery, equipment and other works used to supply water and collect wastewater;
 - ii. To read, inspect, install, repair, replace, maintain or alter a water meter;
 - iii. To inspect a backflow prevention device;
 - iv. To determine whether water has been, or is being, unlawfully used; or
 - v. To shut off or reduce the supply of water.
- (d) If an owner or occupier discontinues the use of water at a property or the City lawfully decides to cease supplying water to land or property, the City may enter on the land or property:
 - vi. To shut off the supply of water;
 - vii. To remove any property of the City from the property; or
 - viii. To determine whether water has been, or is being unlawfully used.
- (e) The powers of entry of the City are subject to section 435 to 439, inclusive, of the *Municipal Act, 2001*.

25.02 Inspection:

- (a) Notwithstanding any other provision in this By-Law, an employee, officer or agent of the municipality may enter on a property at any reasonable time for the purpose of carrying out an inspection to determine compliance with this By-Law or an order or direction issued in accordance with this By-Law.
- (b) For the purposes of any inspection, the City may:
 - i. Require the production for inspection of documents or things relevant to the inspection;
 - ii. Inspect and remove documents or things relevant to the inspection for the purpose of making copies or extracts;
 - iii. Require information from any person concerning a matter related to the inspection; and
 - iv. Alone or in conjunction with a person possessing special or expert knowledge, make examinations or take tests, samples or photographs necessary for the purposes of the inspection.

that the City may deem necessary for the administration of this By-Law or the operation or maintenance of the water and/or sewage works.

25.06 Damage to the Waterworks: any owner or person receiving water from the waterworks shall be responsible for ensuring that any action taken by that owner or person conforms at all times to the provisions of this By-Law and that owner or person shall be liable for any damage or expense arising out of their failure to properly protect the waterworks or to properly protect water from contamination or any other damage including the cost of investigation, disinfection, repairing or replacing any part of any waterworks damaged or water contaminated thereby.

25.07 Damage to the Sewage Works: any owner or person conveying wastewater to the sewage works shall be responsible for ensuring that any action taken by that owner or person conforms at all times to the provisions of this By-Law and By-law 2016-006 "Establish Management and Use of Sewer Works", as amended, and that owner or person shall be liable for any damage or expense arising out of their failure to properly protect the sewage works.

25.08 Unauthorized Entry to Water and Sewage Works: Unless specifically authorized by the Director, no person shall enter into any chamber, structure, building or property associated with the water and/or sewage works.

25.09 Offences:

- (a) Every person who contravenes any provision of this By-Law, and every director or officer of a corporation, who knowingly concurs in a contravention by the corporation of any provision of this By-Law is guilty of an offence.
- (b) Any fine imposed under Section 26.00 shall be payable in addition to any fees and charges payable under this By-Law.
- (c) Every person who:
 - i. Willfully hinders or interrupts, or causes or procures to hinder or interrupt the City, or any of its officers, agents or servants, in the exercise of any of the powers conferred by this By-Law; or
 - ii. Willfully or negligently lets off or discharges water so that it runs waste or useless out of the waterworks system; or
 - iii. Every person found operating or tampering with a shut-off valve in any way may be prosecuted as provided for by this By-Law.
 - iv. Without lawful authority willfully opens or closes any hydrant, or obstructs the free access to any hydrant, shutoff valve, chamber, pipe, or hydrant chamber, by placing on it any building material rubbish, or other obstruction; or
 - v. Throws or deposits any injurious, or offensive matter into the water or waterworks, or upon ice, if the water is frozen, or in any way fouls the water or commits any willful damage or injury to the waterworks, pipes or water, or encourages the same to be done; or

26.05 Multiple Offences: The conviction of a person for the contravention or breach of any provision of this by-law shall not operate as a bar to the prosecution against the same person for any subsequent or continued breach or contravention of any provision of this by-law. Each day that the offence continues shall be deemed a separate and distinct offence.

Section 27.00: General Enforcement Powers

27.01 Restraining Order: If this By-Law is contravened, in addition to any other remedy or penalty imposed by this By-Law, the contravention may be restrained by application by the City under the provisions of section 440 of the *Municipal Act, 2001*.

27.02 Order to Discontinue Activity:

- (a) Under the provisions of section 444 of the *Municipal Act, 2001*, the Director(s) or Treasurer may order any person who has contravened this By-Law or who has caused or permitted the contravention of this By-Law or the owner or occupier of the property on which the contravention occurred to discontinue the contravening activity.
- (b) Any person who contravenes an order under subsection 27.03 (a) is guilty of an offence.

27.03 Work Order:

- (a) Under the provisions of section 445 of the *Municipal Act, 2001*, the Director(s) or Treasurer may order any person who has contravened this By-Law or who has caused or permitted the contravention of this By-Law or the owner or occupier of the property on which the contravention occurred to do work to correct the contravention.
- (b) Any person who contravenes an order under subsection 27.03 (a) is guilty of an offence.

27.04 Remedial Action:

- (a) In accordance with section 446 of the *Municipal Act, 2001*, where any matter or thing is required to be done under this By-Law, in default of it being done by the person directed or required to do so, that matter or thing may be done by the City which shall be at that person's expense and the City may recover the costs incurred for doing such matter or thing from the person directed or required to do it by adding the costs to the tax roll and collecting them in the same manner as municipal property taxes.
- (b) For the purposes of subsection 27.04 (a), the Director(s) or Treasurer may enter upon the subject property at any reasonable time.

27.05 Document Retention: The owner shall retain any document to be produced for inspection or approval or retained under this By-Law by an owner of a property for a period of seven (7) years.

27.06 Notice:

Andy Letham, Mayor

Cathie Ritchie, City Clerk



Schedule A - 2019
Water and Wastewater

Appendix # C

to

Report # NNV2019-011

Schedule "A" – Water and Sewer Rates

2019 Water Rates

Calculated Annual Flat Rate \$850.38/annum invoiced quarterly (based on an average consumptive usage of 178 m³ and including Water Fixed Rate)

All Metered Water System Users Fixed Rate plus Consumption listed below:

Fixed Rate

Meter Size	Monthly Charge
5/8 – 3/4"	\$30.56
1"	\$39.76
1 1/2"	\$51.13
2"	\$82.36
3"	\$312.41
4"	\$397.61
6"	\$596.38
8"	\$823.58

Consumption Rate

Per Cubic Meter \$2.71720

Per Cubic Foot \$0.07694

Mandatory Connect Fee – Water \$200.00/annum invoiced quarterly.

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Bulk Water Fees

Phased in bulk water rates, with annual approved consumption rate plus annual percentage

	2018	2019	2020	2021
Per Cubic Meter	\$3.26064 (20% increase over Consumption Rate)	Consumption Rate + 30%	Consumption Rate + 40%	Calculated Annual Flat Rate / Estimated Average Consumption (m³)

2019 Sewer Rates

Calculated Annual Flat Rate \$614.71/annum invoiced quarterly (based on an average consumptive usage of 178m³ including Sewer Fixed Rate)

All Metered Sewer System Users Fixed Rate plus Consumption listed below:

Fixed Rate

Meter Size	Monthly Charge
5/8 – 3/4"	\$29.56
1"	\$39.21
1 1/2"	\$51.91
2"	\$83.61
3"	317.13
4"	\$403.62
6"	\$605.92
8"	\$836.01

Consumption Rate

Per Cubic Meter \$1.4606

Per Cubic Foot \$0.0414

Mandatory Connect Fee – Sewer \$200.00/annum invoiced quarterly

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The Corporation of the City of Kawartha Lakes

Committee of the Whole Report

Report Number WWW2019-007

Date: September 10, 2019

Time: 1:00 p.m.

Place: Council Chambers

Ward Community Identifier: All Wards

Title: Requirement to Connect to Municipal Services Review

Description: Council has requested a review of the implications and potential impacts of altering By-law 2014-255

Author and Title: Rob MacPherson, Water and Wastewater Technician

Recommendation(s):

That Report WWW2019-007, Requirement to Connect to Municipal Services Review, be received; and

That this recommendation be brought forward to Council for consideration at the September 24, 2019 Regular Council Meeting.

Department Head: _____

Financial/Legal/HR/Other: _____

Chief Administrative Officer: _____

Background:

By-law 2014-255 “A By-law to Require Owners of Buildings to Connect Such Buildings to Drinking Water Systems and/or Wastewater Collection Systems in the City of Kawartha Lakes”, known as the “Mandatory Connection By-law” has undergone a number of reviews and adjustments by a combination of City departments (Public Works, Engineering and Corporate Assets, Property & Building, Revenue & Taxation and Municipal Law Enforcement) over the last six years in order to improve its overall effectiveness.

Under the direction of Council, a presentation was provided to Council in September of 2018 to deliver an overview of the mandatory connection process, potential alternatives for addressing physical connection requirements that are outlined in the by-law, as well as a comparison of CKL’s by-law with other “mandatory connection” by-laws from other municipalities across Ontario.

The presentation showed evidence that the Mandatory Connection By-law is consistent with those in other municipalities. At the September 25, 2018 Council meeting, alternatives were discussed on how to better implement the program in order to ease the financial burdens placed on the properties that fell within the boundaries of municipal services, while also taking into account the long term viability of the water and wastewater infrastructure for CKL. It was determined that the most practical solution was to enforce the mandatory connect process with properties only at the time their private infrastructure (drinking water well and/or septic system) fails but that the properties would still be required to pay the Fixed Rate fees associated with maintaining the water and wastewater infrastructure. Staff were directed to prepare the necessary amendments to the by-law to reflect what was decided. The amendments were made and a report was brought before Council and endorsed on January 15, 2019:

CR2019-032

Moved By Deputy Mayor Elmslie

Seconded By Councillor Veale

That Report WWW2019-003, **Amendments to By-law 2014-255, Requirement to Connect to Municipal Services**, be received; and

That Section 2.01 of By-law 2014-255 be amended to read: “Subject to section 2.02 herein the owner of any Building as defined herein where such service or services have capacity, shall be responsible for the physical installation of a private sanitary lateral and/or private water service at the Owners expense and shall be responsible for the payment of all fees and charges payable to the Municipality for the installation and

connection of a municipal sanitary lateral and/or water service in accordance with the provisions of this By-law and any and all by-laws governing connections to municipal drinking water systems and wastewater collection systems upon failure and/or the need for replacement of their existing private water supply and/or sewage/septic disposal system(s). For further explanation refer to Appendix 1: Connection Diagram.”; and

That Section 2.02 of By-law 2014-255 be amended to read: “Subject to section 2.01, in the event that water and/or wastewater services become available after the date of passage of this By-law, persons described in section 2.01 shall connect their premises directly to the services in accordance with section 2.01 upon failure of their water and/or sewage/septic disposal system(s).”; and

That Section 2.03 by By-Law 2014-255 be amended to read: “Notwithstanding sections 2.01 and 2.02, in the event that:

Carried

Although the amendments were endorsed, Council directed staff to review the implications of altering the Mandatory Connection By-law even further to reduce financial pressures on properties required to connect, through the following resolution:

CR2019-033

Moved By Deputy Mayor Elmslie

Seconded By Councillor Richardson

That staff be directed to investigate the financial implications and potential impacts of:

- The City assuming fiscal responsibility for installation of water and sewer infrastructure to property lines for those properties required to connect to City services;
- Options to exempt farm or other properties where compliance with mandatory connection requirements is either unrealistic and/or cost prohibitive;
- Discontinuing fixed rate charges for properties that are unlikely to hook up to City services; and

That staff report back to Council by end of Q3 2019.

Carried

Over the course of 2018 and 2019, a number of properties that meet the requirements for connection to municipal services once their private infrastructure fails have come forward to Council and staff requesting an exemption to the payment of the fixed rate charges, until such time of failure and/or need for replacement of their existing private water supply and/or septic system. As all properties within their respective municipal servicing boundaries are supporting the City's water and wastewater infrastructure in a consistent manner each motion has failed to date. Although this did lead to a resolution being passed at the Regular Council Meeting of June 18, 2019 to review the Mandatory Connection By-law:

CR2019-399

Moved By Councillor Seymour-Fagan
Seconded By Councillor Yeo

That the Mandatory Connection By-law be brought forward to Council at a July 2019 meeting for review.

Carried

At the Special Council Meeting of July 16, 2019 a presentation and report were provided to Council, whereby they adopted the following resolution:

CR2019-433

Moved By Councillor Dunn
Seconded By Councillor Yeo

That Report WWW2019-010, **Review of Mandatory Connection By-law 2014-255**, be received; and

That staff be directed to report back in September 2019 with options for amending the Mandatory Connection By-law to provide relief from mandatory connections for the 134 properties not currently connected to municipal services, up to and including complete exemption from the by-law.

Carried

This report addresses the direction of Council from the January 15, 2019 (CR2019-033) and July 16, 2019 (CR2019-433) resolutions.

Rationale:

As part of the presentation provided to Council in September, 2018 and in July, 2019 (appendix B) the following aspects were compared to other municipalities' by-laws within Ontario: timing of connection, stipulated connection distances, inclusion of requirements to decommission/disconnect old private systems, Power of Entry clauses, fines, hardship clauses, loan programs, and associated fees. It was apparent that Kawartha Lakes is in alignment with the other programs. Mandatory Connection requirements also ensure that any new developments within serviced areas are connected to the municipal infrastructure available to the property, ensuring that capital investments made by CKL can be recovered through user rates collected. Currently, there are over 500 vacant properties that will also connect to municipal services once developed.

The ability to exempt properties, including farm properties where compliance with mandatory connection requirements are either unrealistic and/or cost prohibitive currently exists as part of Section 24 of By-law 2018-039 "A By-law to Regulate Water and Wastewater Services in the City of Kawartha Lakes". There is a provision to allow properties to present their case to the High Water Bill/Mandatory Connection Committee. If the committee finds merit in the discussion an exemption can be made through the discretion of Council. Should the Committee no longer function in the future, the by-law enables exemption requests to come forward to the Director of Public Works for review. Should exemption not be recommended by the Director, ultimately requests can also come to Council via deputation.:

"24.01 High Water Bill Adjustment and Mandatory Service Connection

Appeals Committee: A High Water Bill Adjustment and Mandatory Service Connection Appeals Committee is established to hear and rule on appeals pertaining to high water bill adjustments and the requirement for mandatory service connections (required by Section 2.01, 2.02 and 2.03 of By-law 2014-255, as amended).

2019-008 Effective January 15, 2019

24.02 **Authority:** The High Water Bill Adjustment and Mandatory Service Connection Appeals Committee may recommend to Council approval of high water bill adjustments or exemptions from mandatory service connections without prejudice or precedent to any other similar matter.

2019-008 Effective January 15, 2019"

One more factor must be taken into account which only applies to manufacturing, industrial, and commercial properties that fall under the Mandatory Connection By-law. According to Section 106 of the Ontario *Municipal Act, 2001*, the municipality is prohibited from directly or indirectly assisting these types of properties through "bonusing" (authorizing the usage of tax payer dollars to "...provide a business an exemption, a charge or a levy"). If Council does decide

to provide exemptions (removal of fixed rate or complete exemption from by-law), they could only apply to residential properties as the municipality is unable to supersede the Provincial Act.

Staff does not recommend any changes to the current process to exempt properties as this is the most effective way to review the properties on a case-by-case basis.

At the July 16 Council meeting staff were asked to review a number of options for amending the by-law to provide relief for the currently identified 134 properties of the requirements under the Mandatory Connection By-law. After reviewing a number of options and given that the by-law has been reviewed and amended extensively over the last two years, Staff recommend that the by-law remains as it is currently written and implemented using current practices. This will allow for the continued funding for the operation and maintenance of existing water and wastewater infrastructure for the municipal services available to property owners in a fair manner. This is consistent with the 2014 Provincial Policy Statement under the Planning Act, 1990. The Policy highlights the preference for municipal water and wastewater services for servicing settlement areas while emphasizing the efficient use and optimization of existing municipal services. The City's mandatory connection process is also very much in line with the other municipalities in Ontario. It is the most consistent and reasonable manner for the residents to contribute their fair share of the cost to maintain and optimize the municipal water and wastewater services, while still protecting the environment for current and future generations residing in Kawartha Lakes.

Other Alternatives Considered:

If Council chooses to consider amending the by-law to provide relief from mandatory connection for the 134 properties not currently connected to municipal services, staff reviewed the following options.

Alternative 1

One possible amendment for consideration is to remove section 2.06 of the Mandatory Connection By-law, which requires property owners who meet the requirements for mandatory connection to pay the Fixed Rate charges for water and/or wastewater as per the provisions of the By-law to Regulate Water and Wastewater Services in the City of Kawartha Lakes (By-law 2018-039, as amended). The requirement to make a physical connection to the system at the time of failure of an existing private system would remain. Staff does not recommend this alternative as removing the revenue currently being collected from the 134 properties places additional financial burden on the current water and wastewater users (approx. 13,000 water users, approx. 11,000 wastewater users) to sustain the water and sewer infrastructure, which will result in increased rates. Those properties subject to mandatory connection still benefit from having

the services available to them with increased property values, potential reduced insurance premiums, reduced risk from contamination and drought effects, guaranteed safe drinking water source. Exempting these properties allows them to continue to benefit from the services without fairly contributing to the operations and maintenance of the infrastructure.

Alternative 2

The second alternative for amending the by-law would be to exempt the currently identified 134 properties from all requirements of the Mandatory Connection by-law, which includes paying the fixed rate and connecting to municipal services at the time their private infrastructure fails. Exempting the properties that are realistically capable of connecting to municipal services and fall within the servicing boundaries is an inefficient use of the existing municipal services, is not in line with Provincial Planning policies that all municipalities in Ontario follow, and creates unequal requirements for dwellings benefitting from the services. It must also be reiterated that once the private infrastructure fails, the property owner would already be required to make a significant financial investment whether they had to install a new private system or connect to the municipal services available to them.

If Council chooses this option, Staff would be seeking additional guidance on capacity allocation. There is no point in reserving capacity allocation for properties that will never connect to the system. This capacity can be allocated to new development. Should the residents choose to connect to the system in the future, capacity would need to be confirmed before connection would be granted.

With alternative 2, there is also the potentially harmful impact on the environment and public health that coincides with properties that have private services. Private water and septic systems are seldom maintained to federal and provincial guidelines. Private septic systems are often unable to treat the wastewater with the same effectiveness as a municipal facility, which can lead to adverse effects, which could include nitrates and other pollutants contaminating surrounding soils and surface and groundwater resources. Private homeowners may also not be treating their private water source as effectively as a municipal system would, that could lead to adverse health effects. Free water testing available to private well owners only tests for bacteria and does not test for other organic and inorganic parameters that are legislated for municipal systems, which could have potential health effects. If the identified properties are permanently exempted the risks of causing harm to human health and the environment increases.

Financial/Operation Impacts:

The City assuming fiscal responsibility for installation of water and sewer infrastructure to property lines for those properties required to connect to City

services will vary significantly for each property connecting. Cost factors that can influence the price include:

- Location of main in right of way (long side service or short side service, extents of road restoration required)
- Road profile and surface type (urban, rural, sidewalk, presence of curb)
- Depth of main infrastructure (possible rock excavation, dewatering requirements)
- Time of year (winter work can impact completion of road restoration, road cuts are to be maintained until restoration completed)
- Amount of services being installed at once (water, sewer, or both)

Taking into account these factors, the average price range quoted by local vendors for installation of water and sanitary sewer infrastructure to property line from existing mains within the road allowance is \$20,000 to \$30,000 (for both services). Taking the average cost (\$25,000 for both services or \$12,500 for single service) into account for the 134 properties that meet the requirements of the Mandatory Connection By-law this represents an approximate cost of \$2,025,000 to connect the properties to municipal services (106 single service properties and 28 water and sewer). As this cost represents 10.4% of the 2019 Water and Wastewater Division budget, a significant increase to the user rate would have to occur for the Division to pay for this cost. This would also place an unfair burden on the rest of the users connected to the services and already contributing their reasonable share for the upkeep of the infrastructure. It must also be mentioned that if the City were to assume the financial responsibility of these installations, it would set an unfair precedent towards not only the residents that have already paid for municipal services installations but also for the 500+ properties currently undeveloped within CKL that would connect to municipal services once developed.

Of the 134 properties that meet the requirements of the Mandatory Connection By-law but maintain private infrastructure, 133 have been paying the Fixed Rate portion of the User Rate, the last property is currently out of compliance and working with By-Law. Based on the fees included as Schedule A to By-law 2018-039 "Water and Wastewater Services in the City of Kawartha Lakes" for a 5/8" – 3/4" meter size the 2019 annual fixed rate cost for water service is \$366.72 (or \$30.56 per month) and the sewer service rate is \$354.72 (or \$29.56 per month). This would result in a total annual fee of \$721.44 for properties that fronted both municipal water mains and sewer mains.

The total 2019 revenue from these 134 properties is \$58,381.92, which represents 0.30% of the 2019 Water and Wastewater Division budget. If Council decides to amend the by-law to remove the requirement for properties to pay the fixed rates when they have access to municipal services, these costs will then be placed onto the remaining users. This revenue allows for the reduction of financial pressures on the current users and helps counteract required increases

to the user rates fairly and consistently for every property that benefits from having access to municipal water and wastewater services.

Relationship of Recommendation(s) To The 2016-2019 Strategic Plan:

The recommendation to Council is consistent with the Council Adopted Strategic Plan in several ways:

Goal 1 “Vibrant and Growing Economy”– will be met through the proper servicing and collection of appropriate user fees to fund the maintenance, capacity and growth of the municipal water and wastewater systems.

Goal 3 “Healthy Environment” – will be met through community preparedness by ensuring that the necessary funds are secured in order to sustain water and wastewater infrastructure necessary to protect and prevent any adverse impacts towards the environment.

Enabler 3 “Municipal Service Excellence” – E3.3 Service Excellence – E3.3.1 –Review and adopt best municipal practices (and continue to review operational efficiencies using lean methodology).

This Report is also in line with the City’s values, specifically continuous improvement and excellence, as the by-law aids in the sustainability of the municipal drinking water systems and wastewater systems as well as provides excellent, efficient, and safe services for the public of Kawartha Lakes.

Servicing Implications:

The basis of the report is how critical it is to provide safe drinking water to residents, protect the environment and ensure fiscal sustainability of the City’s drinking water and wastewater systems in a fair manner to all residents. By-Law 2014-255 plays a key part in the future success of those goals.

Consultations:

Director of Public Works, Public Works

Supervisor, Water and Wastewater Operations, Public Works

Senior Engineering Technician, Engineering & Corporate Assets

Attachments:

Appendix A – By-Law 2014-255



Appendix A By-law
2014-255.pdf

Appendix B – Water Wastewater Mandatory Connection By-law Presentation



Presentation Water
Wastewater Mandator

Department Head E-Mail: brobinson@kawarthalakes.ca

Department Head: Bryan Robinson

The Corporation of the City of Kawartha Lakes

Council Report

Report Number WWW2019-012

Meeting Date: December 10, 2019

Title: Drinking Water Quality Management System Review and Endorsement

Description: Report to request Council's annual required endorsement of the Water and Wastewater Division Drinking Water Quality Management System.

Ward Number: ALL

Author and Title: Julie Henry, Quality Management and Policy Coordinator

Recommendation(s):

That Report WWW2019-012, Drinking Water Quality Management System Review and Endorsement, be received;

That the City of Kawartha Lakes Water and Wastewater Quality Management System be endorsed by Council;

That the City of Kawartha Lakes Quality Management System Policy statements be adopted;

That the Ontario Clean Water Agency Quality Management System Policy statements be received and endorsed;

That the external surveillance audit report for the Water and Wastewater Division (as the accredited Operating Authority) be received;

That the external surveillance audit report for Ontario Clean Water Agency (as the Accredited Operating Authority) be received; and

That the Water and Wastewater Division Management Review summary be received.

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

Background:

The City of Kawartha Lakes owns twenty-one drinking water systems, all of which are licensed under the Ontario Municipal Drinking Water Licensing Program (MDWLP). This licensing program was established under the *Safe Drinking Water Act, 2002* as a result of recommendations made by Justice Dennis O' Connor in the *Report of the Walkerton Inquiry (2002)* and states that in order to receive a license (which allows an owner to legally operate its drinking water system(s)), the Owner of a municipal drinking water system must ensure that an accredited operating authority is operating the system(s) at all times. To remain an accredited operating authority, an established and successful Quality Management System that meets the requirements of the Ontario Drinking Water Quality Management Standard (DWQMS) must be maintained. Without this Quality Management System in place an Owner cannot attain a municipal drinking water license and as such, cannot legally operate a drinking water system. Therefore, it is imperative to attain owner endorsement and approval.

The Drinking Water Quality Management Standard provides the foundation for the operation of municipal residential drinking water systems for accredited operating authorities in the province of Ontario. Operating authorities must establish a Quality Management System that meets the requirements of the Standard and to develop and establish policy and directives that control and direct an organization's activities with regard to drinking water quality. This system is documented in the Operational Plan which is reviewed and updated annually. A documented, functioning Quality Management System is necessary for the production of safe, reliable drinking water and the Owner – as mandated by the Standard – must endorse it annually. This report facilitates this requirement.

The Owner of all twenty-one drinking water systems in Kawartha Lakes (treatment and distribution) is The Corporation of the City of Kawartha Lakes, represented by Mayor and Council. The Water and Wastewater Division of The Corporation of the City of Kawartha Lakes is the accredited operating authority for the Lindsay Drinking Water System (both treatment and distribution), six wastewater collection systems and the remaining twenty water distribution systems within the City. The Ontario Clean Water Agency (OCWA), under contract with the City, is the accredited operating authority for the remaining twenty water treatment systems and six wastewater treatment systems. **Both OCWA and the Water and Wastewater Division were granted accredited operating authority status in 2011 and have since successfully maintained their accreditation and licensed status.**

Council endorses the Water and Wastewater Division's Quality Management System every year by signing the Quality Management System Policy (signed by the Mayor and CAO as representatives of Council.) This policy is the mission statement, or commitment that an accredited operating authority makes in

regards to the delivery of safe drinking water. Element Three of the Standard states that: “The Operational Plan shall contain a written endorsement of its contents by Top Management and the Owner.” In response, Council has endorsed the Quality Management System annually since the initial accreditation in 2011. On December 11, 2018 Council endorsed the Quality Management System through the following resolution:

CR2018-652

That Report WWW2018-011, **Drinking Water Quality Management System Review and Endorsement**, be received:

That the City of Kawartha lakes Water and Wastewater Quality Management System be endorsed by Council in order to maintain accreditation as an Operating Authority;

That the City of Kawartha Lakes Quality Management System Policy statements be adopted:

That the Ontario Clean Water Agency Quality Management System be endorsed by Council in order to maintain accreditation as an Operating Authority; and

That the Ontario Clean Water Agency Quality Management System Policy statements be adopted.

Carried

Rationale:

The following section provides an overview of the standard that the City and OCWA have followed and the specific activities that were undertaken over the last year to ensure the Operational Plans and Quality Management System policies for the next year are endorsed and adopted by Council.

Drinking Water Quality Management Standard

The Drinking Water Quality Management Standard is based on a PLAN, DO, CHECK and IMPROVE methodology and states the commitments of the Accredited Operating Authority in the delivery of safe drinking water.

Each section of the DWQMS (included in this report as Appendix A), is referred to as an element and directs a portion of the process included in the production and delivery of safe drinking water.

The **PLAN** and **DO** related elements as follows:

1. **Quality Management System** – Encompasses the twenty-one elements of the Drinking Water Quality Management Standard.
2. **Quality Management System Policy** – Commitment to the maintenance and continual improvement of the Quality Management System. The policy for the Water and Wastewater Division is included in this report as Appendix B. The policy for Ontario Clean Water Agency is included in this report as Appendix F. Written endorsement of the QMS by the Owner.
3. **Commitment and Endorsement** – Written endorsement of contents by Top Management.
4. **Quality Management System Representative** – Identification of the Quality Management System Representative and Designate as appointed by Top Management. (For the Water and Wastewater Division of the City of Kawartha Lakes the QMS Representative is Julie Henry and the QMS Designate is Amber Hayter.)
5. **Document and Records Control** – Procedure to manage and control important documents and records.
6. **Drinking Water System** – Description of the Drinking Water Systems and Water Sources.
7. **Risk Assessment** – Procedure to manage and control important documents and records.
8. **Risk Assessment Outcomes** – Documentation of the Risk Assessment Outcomes.
9. **Organizational Structure, Roles, Responsibilities and Authorities** – Procedure that identifies the Owner, Operating Authority, Top Management and the roles and responsibilities of each.
10. **Competencies** – Procedure that documents the competencies required for all employees with positions directly related to the provision of safe drinking water.
11. **Personnel Coverage** - Procedure to ensure that sufficient, competent personnel are available at all time.
12. **Communications** – Procedure that describes how the QMS is communicated to and between Top Management, the Owner, the Operating Authority, Suppliers/Service Providers and the Public.

- 13. Essential Supplies and Services** – Identifies all supplies and services essential for the delivery of safe drinking water.
- 14. Review and Provision of Infrastructure** – Procedure for the annual review of drinking water infrastructure.
- 15. Infrastructure Maintenance, Rehabilitation and Renewal** – Procedure for infrastructure maintenance, rehabilitation and renewal programs for the drinking water system.
- 16. Sampling, Testing and Monitoring** – Procedure for sampling, testing and monitoring activities completed for finished drinking water quality.
- 17. Measurement and Recording Equipment Calibration and Maintenance** – Procedure to document the calibration and maintenance of measurement and recording equipment used for safe drinking water quality.
- 18. Emergency Management** – Procedure to document how the operating authority maintains a state of emergency preparedness.

The **CHECK** elements of the Drinking Water Quality Management Standard are:

- 19. Internal Audits** – Procedure documents the process for Internal Audits
- 20. Management Review** – Element prescribes the topics that must be discussed in the annual Management Review and the intent and goal of said review.

The **IMPROVE** element of the Drinking Water Quality Management Standard is:

- 21. Continual Improvement** – The element describes the requirement for the Operating Authority to continually improve the effectiveness of its Quality Management System through the use of the elements one to twenty (1 – 20) and the employment of the corrective action procedure.

All of the elements of the Quality Management Standard are addressed and adhered to within the Water and Wastewater Division's Quality Management System and documented within the Operational Plan.

External Audit

As part of the accreditation process, it is necessary for every Accredited Operating Authority to undergo an annual third-party external audit. The external audits follow a three-year cycle as follows:

The accreditation body will annually audit the QMS of an operating authority with a Certificate of Accreditation (Full Scope – Entire DWQMS), in accordance with the following schedule:

- a) In the first year following the year in which the certificate was issued and every third year thereafter, the accreditation body will undertake a surveillance audit;
- b) In the second year following the year in which the certificate was issued and every third year thereafter, the accreditation body will undertake a surveillance audit;
- c) In the third year following the year in which the certificate was issued and every third year thereafter, the accreditation body will undertake a re-accreditation audit.

Surveillance audits consist of enhanced desktop systems audits with no onsite verification component.

The Water and Wastewater Division and OCWA had their second year surveillance audits in 2019 and were audited on the revised version of the DWQMS V2. Changes from DWQMS V1 to V2 are:

- The update of Element 6 (Drinking Water System) to include descriptions for all types of drinking water systems included in the plan (treatment and distribution.)
- An update to Element 7 and 8 (Risk Assessment and Risk Assessment Outcomes) to include a list of potential hazardous events for municipal residential drinking water systems provided by the MECP (Ministry of Environment, Conservation and Parks)
- The update of Element 14 (Review and Provision of Infrastructure) to include the outcomes of the Risk Review in the annual infrastructure review (done to ensure the adequacy of infrastructure necessary to operate and maintain the system.)
- The update of Element 15 (Infrastructure Maintenance, Rehabilitation and Renewal) to include a long term forecast of major infrastructure maintenance, rehabilitation and renewal activities.
- An update to the Operational Plan to include a procedure or process for reviewing and considering best management practices.
- An update to the Operational Plan to include a procedure or process for the identification and management of corrective actions.

All updates had to be completed for the accredited operating authority to receive an updated status of accreditation. Both operating authorities completed these updates and received favorable reports from SAI Global (the third party accreditation body and QMS auditor), with zero non conformances reported. This confirms that both authorities are conforming to all twenty-one elements of the Drinking Water Quality Management Standard. Both Quality Management Systems were declared **effective** and both authorities received accreditation status on the updated version of the DWQMS V2.

Copies of the external audit report for the City of Kawartha Lakes and OCWA are included in Appendix C and F.

Internal Audits

In addition to external audits, the DWQMS requires Operating Authorities to conduct internal audits on all twenty-one elements of their Quality Management System on an annual basis. An auditing team is assigned and staff are questioned both on their knowledge of the QMS and on the suitability of the QMS with regards to controlling process and guiding staff on their responsibilities with regards to the production and delivery of safe drinking water. Similar to the external audits, the internal audits identify non-conformances and opportunities for improvement.

The 2019 internal audit was held the week of November 25, 2019 and the summary report has yet to be finalized. Once complete, the report will be available for review upon request.

Top Management Review

One of the requirements of the DWQMS is an annual Top Management Review. During this review, the Quality Management Representative presents to Top Management a report that summarizes and reviews the Quality Management System and provides details regarding its status. Members of Top Management provide feedback and resources for the maintenance and continual improvement of the system. The members of Top Management for the Water and Wastewater Division are:

Bryan Robinson – Director of Public Works
David Kerr – Manager, Environmental Services
Amber Hayter – Supervisor, Water and Wastewater Operations

Items included in the Top Management Review (as mandated in Element 20 of the DWQMS) are as follows:

- A. Incidents of Regulatory Compliance** – Annual inspection report from the MECP.

- B. Incidents of Adverse Drinking Water Tests** – Adverse drinking water quality incidents and resolutions.
- C. Deviations from Critical Control Point (CCP) Limits and Response Actions** – Deviations from set points and required limits with explanations.
- D. The Efficacy of the Risk Assessment Process** – The annual Risk Assessment and results.
- E. Internal and Third Party (external) Audit Results** – The results of audits.
- F. Results of Emergency Response Testing** – Emergency response testing is conducted annually. The report includes the results of the testing/training.
- G. Operational Performance** – The performance of staff, equipment, infrastructure etc., in regards to the delivery of safe drinking water.
- H. Raw Water Supply and Drinking Water Quality Trends** – Reports and data related to the raw water supply and any indicated trends.
- I. Follow-up on Action Items from Previous Management Reviews** – Any outstanding items are addressed.
- J. The Status of Management Action Items Identified Between Reviews** – Any opportunities for improvement or corrective actions identified by Management.
- K. Changes that Could Affect the Quality Management System** – Any items that could affect the system (staffing changes, MECP revisions, audit suggestions etc.).
- L. Consumer Feedback** – A report containing consumer calls/complaints is included. Trends and improvement measures are discussed.
- M. The Resources Needed to Maintain the Quality Management System** – Any resources required to maintain the current quality level and success of the system are identified.
- N. The Results of the Infrastructure Review** – Results of the Annual Review are Included for Consideration.
- O. Operational Plan Currency, Content and Updates** – Revisions made to the Operational Plan.

P. Staff Suggestions – Any suggestions made by staff are included for discussion and consideration presented, discussed and considered.

The specifications for the Top Management Review are described in Element 20 of the DWQMS and a summary of the review is provided to the Owner in Appendix D.

OCWA's Top Management Review for 2019 will be held later this month. A summary will be made available upon request.

Conclusions and Recommendations

Currently, both the Quality Management System for the Water and Wastewater Division of Kawartha Lakes and the Quality Management System for OCWA are in excellent standing. The City of Kawartha Lakes remains committed to providing safe and reliable drinking water and services to all of our residents, businesses and visitors. We continue to meet and surpass applicable legislation and regulations related to the provision of safe drinking water.

Owner commitment is a crucial component of a successful Quality Management System. Without the authority, direction and support of the system(s) owner, a QMS cannot be successfully maintained. Without a successful QMS, an Operating Authority cannot be accredited and without accreditation, cannot maintain its Municipal Drinking Water License (a mandated requirement for the legal production of drinking water). It is therefore recommended that Council accepts and re-endorses the Quality Management Systems for the Water and Wastewater Division of the City of Kawartha Lakes and for the Ontario Clean Water Agency and to adopt the QMS Policy Statements for both operating authorities as presented.

Other Alternatives Considered:

No alternatives were considered. The Drinking Water Quality Management Standard as mandated by the *Safe Drinking Water Act, 2002* under the Ministry of the Environment, Conservation and Parks requires the endorsement of an Accredited Operating Authority's Quality Management System for the continuation of accreditation. As mentioned, without owner endorsement we cannot attain accreditation and without accreditation, we cannot legally produce or supply drinking water to the public.

Financial/Operation Impacts:

There are no financial considerations related to this report.

Relationship of Recommendation(s) To The 2016-2019 Strategic Plan:

This project is consistent with the 2016-2019 Strategic Plan, specifically Goal 2 “An Exceptional Quality of Life” and Goal 3 “A Healthy Environment.” Maintaining a healthy and robust Quality Management System ensures the Water and Wastewater Division of the City of Kawartha Lakes has the ability to provide clean, safe drinking water while ensuring dedication and commitment to the environment via source water protection. Both goals add to the quality of life and health of City residents.

In addition, the recommendations in this report adhere to the City-wide strategic plan, embracing the pursuit of collaboration, continual improvement, excellence, innovation and results through the protection and enhancement of water quality.

Consultations:

Director of Public Works
Manager of Environmental Services
Supervisor of Water and Wastewater Operations

Attachments:

Appendix A – Drinking Water Quality Management Standard 2017 V2



DWQMS Standard _
February 2017.pdf

Appendix B – Owner Endorsement QMS Policy Statement WWW CKL



2019 QMS Policy
Endorsement.pdf

Appendix C – SAI Global CKL DWQMS V2 Surveillance Audit Report



DWQMS V2 Surv.
Audit Report.pdf

Appendix D – CKL Management Review Items Summary



Appendix E – OCWA QMS Policy and CKL Endorsement



Appendix F – SAI Global OCWA DWQMS V2 Surveillance Audit Report



Department Head E-Mail: brobinson@kawarthalakes.ca

Department Head: Bryan Robinson

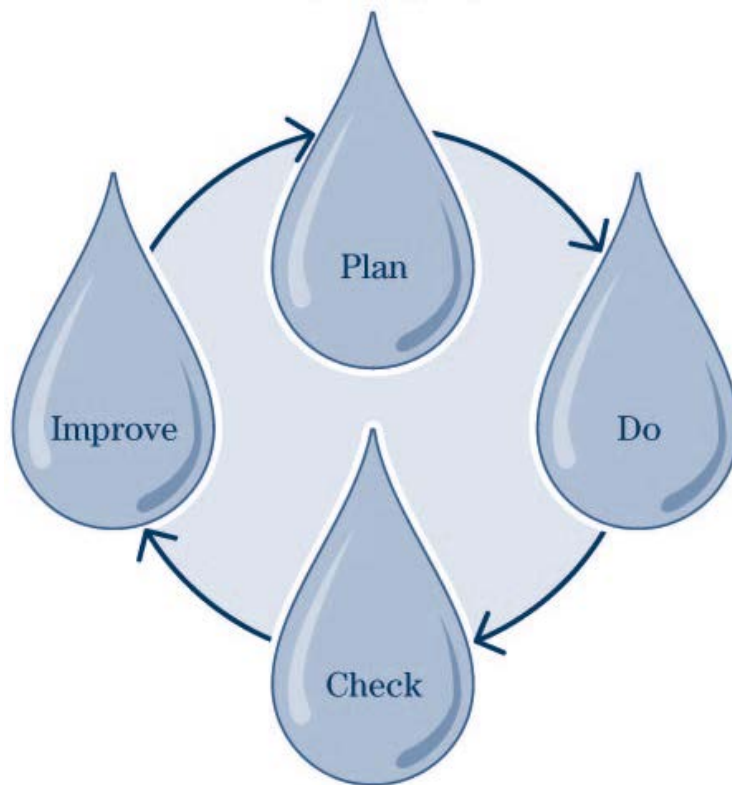
Drinking Water Quality Management Standard

Final – Version 2.0

February 2017

ontario.ca/environment





A copy of this document can be obtained from:

Safe Drinking Water Branch
40 St. Clair Ave W., 2nd Floor
Toronto, ON, M4V 1M2
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Introduction

Ontario has established a strong regulatory framework for drinking water systems in the province. This framework under the *Safe Drinking Water Act, 2002* (SDWA or Act) and related regulations focuses on compliance-based results which are verified through the Ministry of the Environment and Climate Change's compliance and abatement programs.

The Drinking Water Quality Management Standard (DWQMS or this Standard) is the Quality Management Standard approved under s. 21 of the SDWA, and complements this legislative and regulatory framework by endorsing a proactive and preventive approach to assuring drinking water quality. This approach includes consideration of elements that are fundamental to ensuring the long-term sustainability of a Drinking Water System including: Management processes employed within the system; the maintenance of infrastructure used to supply drinking water; and, identification of potential risks and risk mitigation strategies for items such as system security, water treatment, and the impacts of climate change.

The SDWA requires Owners and Operating Authorities of Municipal Residential Drinking Water Systems to have an accredited Operating Authority. In order to become accredited, an Operating Authority must establish and maintain a Quality Management System (QMS). Minimum requirements for the QMS are specified in this Standard, the DWQMS. Operating Authorities will be accredited by a third party accreditation body against the requirements of this Standard.

Operational Plan

The DWQMS requires an Operating Authority to document a Quality Management System for each Subject System that it operates in an Operational Plan which must be accepted by the Ministry of the Environment and Climate Change. The term Subject System is used in the DWQMS to refer to either a Municipal Residential Drinking Water System or an Operational Subsystem, as applicable in the circumstances.

Where an Operating Authority is operating multiple Subject Systems for a single Owner, the Operating Authority may choose to develop QMS components that are common for

all Drinking Water Systems. The Operational Plan for the Subject System would contain these common components or would reference separate documents that would be available to users of the Operational Plan. The common QMS components would need to be implemented both at the Subject System level and at the corporate level, and corporate roles, responsibilities and authorities would need to be documented for each level.

Roles, Responsibilities and Authorities

The DWQMS requires that roles, responsibilities and authorities be defined. Where the Owner and Operating Authority are the same entity, the Operational Plan should identify a specific person, persons or group of people within the entity and their respective Owner and/or Operating Authority roles, responsibilities and authorities. If the same person, persons or group of people are assigned both Owner and Operating Authority roles, responsibilities and authorities, then the requirement to communicate the QMS between Top Management and the Owner is met by the person, persons or group of people in possession of the information to be communicated.

In cases where the Owner has not assigned Operating Authority roles, responsibilities and authorities to a specific person, persons or group of people within the entity, the Owner will assume all of the roles, responsibilities and authorities of the Operating Authority. If the Owner is not the same entity as the Operating Authority, s.14 of the SDWA specifies that the Owner and the Operating Authority shall enter into an agreement that identifies, among other things, their respective responsibilities. Section 11 of the SDWA provides further information on the duties of Owners and Operating Authorities.

Director's Direction

The Director's Directions: Minimum Requirements for Operational Plans, issued under s.15 of the SDWA (Director's Directions), provides further direction respecting the minimum content of Operational Plans as well as rules respecting document retention, public disclosure of information and other requirements that the Director considers necessary for the purposes of the Act and its regulations. The Director's Directions may be amended, revoked or replaced by the Director under s.15(3) of the Act and the amendment, revocation or replacement is effective when notice is given on the

Environmental Bill of Rights Registry in accordance with s.15(6). The current version of the Director's Directions is available at www.ontario.ca/drinkingwater.

Guidance Document

The Ministry of the Environment and Climate Change has prepared a comprehensive guidance document entitled 'Implementing Quality Management: a Guide for Ontario's Drinking Water Systems' that outlines QMS and DWQMS concepts and provides guidance on the development, implementation, maintenance and continual improvement of a Subject System's Quality Management System. A copy of this document, as it may be amended from time to time, and additional guidance material is available at www.ontario.ca/drinkingwater.

Drinking Water Quality Management Standard

Scope

This Standard specifies minimum requirements for the Quality Management System of an Operating Authority for a Subject System:

- a) to facilitate the Operating Authority's ability to consistently produce and/or deliver drinking water that meets applicable legislative, regulatory and Owner requirements, and
- b) to enhance Consumer protection through the effective application and continual improvement of the Quality Management System.

Terms and Definitions

In the DWQMS these terms have the following meaning:

Audit – a systematic and documented verification process that involves objectively obtaining and evaluating documents and processes to determine whether a Quality Management System conforms to the requirements of this Standard.

Calendar Year – A period of one year beginning and ending with the dates conventionally accepted as marking the beginning and end of a year (January 1st to December 31st).

Consumer – the drinking water end user.

Corrective Action – action to eliminate the cause of a detected nonconformity of the QMS with the requirements of the DWQMS or other undesirable situation.

Critical Control Limit – the point at which a Critical Control Point response procedure is initiated.

Critical Control Point – an essential step or point in the Subject System at which control can be applied by the Operating Authority to prevent or eliminate a Drinking Water Health Hazard or to reduce it to an acceptable level.

Document – has the same meaning as “document” defined in s. 2(1) of the Act.

Director – means the director appointed for the purposes of s.15 of the Act.

Distribution System – has the same meaning as “distribution system” defined in s. 2(1) of the Act.

Drinking Water Health Hazard – has the same meaning as “drinking water health hazard” defined in s. 2(1) of the Act.

Drinking Water Quality Management Standard (DWQMS or this Standard) - has the same meaning as Quality Management Standard for Drinking Water Systems approved under s. 21 of the Act.

Drinking Water System – has the same meaning as “drinking water system” defined in s. 2(1) of the Act.

Environmental Bill of Rights Registry – has the same meaning as “Registry” defined in s.2(1) of the Act.

Municipal Drinking Water System – has the same meaning as “municipal drinking water system” defined in s. 2(1) of the Act.

Municipal Residential Drinking Water System – has the same meaning as “large municipal residential system” or “small municipal residential system” defined in s. 1(1) of O. Reg. 170/03.

Operating Authority – means, in respect of a Subject System, the person or entity that is given responsibility by the Owner for the operation, management, maintenance or alteration of the Subject System.

Operational Plan – means, in respect of a Subject System, the Operational Plan required by the Director's Direction.

Operational Subsystem – means a part of a Municipal Residential Drinking Water System operated by a single Operating Authority and designated by the Owner as being an Operational Subsystem.

Owner – has the same meaning as “owner” defined in s. 2(1) of the Act.

Preventive Action – action to prevent the occurrence of nonconformity of the QMS with the requirements of the DWQMS or other undesirable situation.

Primary Disinfection – has the same meaning as “primary disinfection” defined in s. 1(1) of O. Reg. 170/03.

Public – Subject System Consumers and stakeholders.

Quality Management System (QMS) – a system to:

- a) establish policy and objectives, and to achieve those objectives, and
- b) direct and control an organization with regard to quality.

Quality Management System Policy – means the policy described in Element 2 developed for the Subject System or Subject Systems.

Record – a document stating results achieved or providing proof of activities performed.

Secondary Disinfection – has the same meaning as “secondary disinfection” defined in s. 1(1) of O. Reg. 170/03.

Subject System – means:

- a) a Municipal Residential Drinking Water System where the system is operated by one Operating Authority, or
- b) an Operational Subsystem where two or more parts of a Municipal Residential Drinking Water System are operated by different Operating Authorities.

Supplier – an organization or person that provides a product or service that affects drinking water quality.

Top Management – a person, persons or a group of people at the highest management level within an Operating Authority that makes decisions respecting the QMS and recommendations to the Owner respecting the Subject System or Subject Systems.

Treatment System – has the same meaning as “treatment system” defined in s. 2(1) of the Act.

PLAN and DO Elements of the Quality Management Standard

1. Quality Management System

PLAN – The Operational Plan shall document a Quality Management System that meets the requirements of this Standard.

DO – The Operating Authority shall establish and maintain the Quality Management System in accordance with the requirements of this Standard and the policies and procedures documented in the Operational Plan.

2. Quality Management System Policy

PLAN – The Operational Plan shall document a Quality Management System Policy that provides the foundation for the Quality Management System, and:

- a) includes a commitment to the maintenance and continual improvement of the Quality Management System,
- b) includes a commitment to the Consumer to provide safe drinking water,
- c) includes a commitment to comply with applicable legislation and regulations, and
- d) is in a form that can be communicated to all Operating Authority personnel, the Owner and the Public.

DO – The Operating Authority shall establish and maintain a Quality Management System that is consistent with the Quality Management System Policy.

3. Commitment and Endorsement

PLAN – The Operational Plan shall contain a written endorsement of its contents by Top Management and the Owner.

DO – Top Management shall provide evidence of its commitment to an effective Quality Management System by:

- a) ensuring that a Quality Management System is in place that meets the requirements of this Standard,
- b) ensuring that the Operating Authority is aware of all applicable legislative and regulatory requirements,
- c) communicating the Quality Management System according to the procedure for communications,
- d) determining, obtaining or providing the resources needed to maintain and continually improve the Quality Management System.

4. Quality Management System Representative

PLAN – The Operational Plan shall identify a Quality Management System representative.

DO – Top Management shall appoint and authorize a Quality Management System representative who, irrespective of other responsibilities, shall:

- a) administer the Quality Management System by ensuring that processes and procedures needed for the Quality Management System are established and maintained,
- b) report to Top Management on the performance of the Quality Management System and any need for improvement,
- c) ensure that current versions of documents required by the Quality Management System are being used at all times,
- d) ensure that personnel are aware of all applicable legislative and regulatory requirements that pertain to their duties for the operation of the Subject System, and
- e) promote awareness of the Quality Management System throughout the Operating Authority.

5. Document and Records Control

PLAN – The Operational Plan shall document a procedure for Document and Records control that describes how:

- a) Documents required by the Quality Management System are:
 - i. kept current, legible and readily identifiable
 - ii. retrievable
 - iii. stored, protected, retained and disposed of, and
- b) Records required by the Quality Management System are:
 - i. kept legible, and readily identifiable
 - ii. retrievable
 - iii. stored, protected, retained and disposed of.

DO – The Operating Authority shall implement and conform to the procedure for Document and Records control and shall ensure that the Quality Management System documentation for the Subject System includes:

- a) the Operational Plan and its associated policies and procedures,
- b) Documents and Records determined by the Operating Authority as being needed to ensure the effective planning, operation and control of its operations, and
- c) the results of internal and external Audits and management reviews.

6. Drinking Water System

PLAN – The Operational Plan shall document, as applicable:

- a) for the Subject System:
 - i. the name of the Owner and Operating Authority,
 - ii. if the system includes equipment that provides Primary Disinfection and/or Secondary Disinfection:
 - A. a description of the system including all applicable Treatment System processes and Distribution System components,
 - B. a Treatment System process flow chart,
 - C. a description of the water source, including:
 - I. general characteristics of the raw water supply,
 - II. common event-driven fluctuations, and
 - III. any resulting operational challenges and threats.
 - iii. if the system does not include equipment that provides Primary Disinfection or Secondary Disinfection:
 - A. a description of the system including all Distribution System components, and
 - B. a description of any procedures that are in place to maintain disinfection residuals.
- b) if the Subject System is an Operational Subsystem, a summary description of the Municipal Residential Drinking Water System it is a part of including the name of the Operating Authority(ies) for the other Operational Subsystems.
- c) if the Subject System is connected to one or more other Drinking Water Systems owned by different Owners, a summary description of those systems which:
 - i. indicates whether the Subject System obtains water from or supplies water to those systems,
 - ii. names the Owner and Operating Authority(ies) of those systems, and
 - iii. identifies which, if any, of those systems that the Subject System obtains water from are relied upon to ensure the provision of safe drinking water.

DO – The Operating Authority shall ensure that the description of the Drinking Water System is kept current.

7. Risk Assessment

PLAN – The Operational Plan shall document a risk assessment process that:

- a) Considers potential hazardous events and associated hazards, as identified in the Ministry of the Environment and Climate Change document titled Potential Hazardous Events for Municipal Residential Drinking Water Systems, dated February 2017 as it may be amended. A copy of this document is available at www.ontario.ca/drinkingwater.
- b) identifies additional potential hazardous events and associated hazards,
- c) assesses the risks associated with the occurrence of hazardous events,
- d) ranks the hazardous events according to the associated risk,
- e) identifies control measures to address the potential hazards and hazardous events,
- f) identifies Critical Control Points,
- g) identifies a method to verify, at least once every calendar year, the currency of the information and the validity of the assumptions used in the risk assessment,
- h) ensures that the risks are assessed at least once every thirty-six months, and
- i) considers the reliability and redundancy of equipment.

DO – The Operating Authority shall perform a risk assessment consistent with the documented process.

8. Risk Assessment Outcomes

PLAN – The Operational Plan shall document:

- a) the identified potential hazardous events and associated hazards,
- b) the assessed risks associated with the occurrence of hazardous events,
- c) the ranked hazardous events,
- d) the identified control measures to address the potential hazards and hazardous events,
- e) the identified Critical Control Points and their respective Critical Control Limits,
- f) procedures and/or processes to monitor the Critical Control Limits,
- g) procedures to respond to deviations from the Critical Control Limits, and
- h) procedures for reporting and recording deviations from the Critical Control Limits.

DO – The Operating Authority shall implement and conform to the procedures.

9. Organizational Structure, Roles, Responsibilities and Authorities

PLAN – The Operational Plan shall:

- a) describe the organizational structure of the Operating Authority including respective roles, responsibilities and authorities,
- b) delineate corporate oversight roles, responsibilities and authorities in the case where the Operating Authority operates multiple Subject Systems,
- c) identify the person, persons or group of people within the management structure of the organization responsible for undertaking the Management Review described in Element 20,
- d) identify the person, persons or group of people, having Top Management responsibilities required by this Standard, along with their responsibilities, and
- e) identify the Owner of the Subject System.

DO – The Operating Authority shall keep current the description of the organizational structure including respective roles, responsibilities and authorities, and shall communicate this information to Operating Authority personnel and the Owner.

10. Competencies

PLAN – The Operational Plan shall document:

- a) competencies required for personnel performing duties directly affecting drinking water quality,
- b) activities to develop and/or maintain competencies for personnel performing duties directly affecting drinking water quality, and
- c) activities to ensure that personnel are aware of the relevance of their duties and how they affect safe drinking water.

DO – The Operating Authority shall undertake activities to:

- a) meet and maintain competencies for personnel directly affecting drinking water quality and shall maintain records of these activities, and
- b) ensure that personnel are aware of the relevance of their duties and how they affect safe drinking water, and shall maintain records of these activities.

11. Personnel Coverage

PLAN – The Operational Plan shall document a procedure to ensure that sufficient personnel meeting identified competencies are available for duties that directly affect drinking water quality.

DO – The Operating Authority shall implement and conform to the procedure.

12. Communications

PLAN – The Operational Plan shall document a procedure for communications that describes how the relevant aspects of the Quality Management System are communicated between Top Management and:

- a) the Owner,
- b) Operating Authority personnel,
- c) Suppliers that have been identified as essential under Plan (a) of Element 13 of this Standard, and
- d) the Public.

DO – The Operating Authority shall implement and conform to the procedure.

13. Essential Supplies and Services

PLAN – The Operational Plan shall:

- a) identify all supplies and services essential for the delivery of safe drinking water and shall state, for each supply or service, the means to ensure its procurement, and
- b) include a procedure by which the Operating Authority ensures the quality of essential supplies and services, in as much as they may affect drinking water quality.

DO – The Operating Authority shall implement and conform to the procedure.

14. Review and Provision of Infrastructure

PLAN – The Operational Plan shall document a procedure for reviewing the adequacy of the infrastructure necessary to operate and maintain the Subject System that:

- a) Considers the outcomes of the risk assessment documented under Element 8, and
- b) Ensures that the adequacy of the infrastructure necessary to operate and maintain the Subject System is reviewed at least once every Calendar Year.

DO – The Operating Authority shall implement and conform to the procedure and communicate the findings of the review to the Owner.

15. Infrastructure Maintenance, Rehabilitation and Renewal

PLAN – The Operational Plan shall document:

- a) a summary of the Operating Authority's infrastructure maintenance, rehabilitation and renewal programs for the Subject System, and
- b) a long term forecast of major infrastructure maintenance, rehabilitation and renewal activities.

DO – The Operating Authority shall:

- a) keep the summary of the infrastructure maintenance, rehabilitation and renewal programs current,
- b) ensure that the long term forecast is reviewed at least once every Calendar Year,
- c) communicate the programs to the Owner, and
- d) monitor the effectiveness of the maintenance program.

16. Sampling, Testing and Monitoring

PLAN – The Operational Plan shall document:

- a) a sampling, testing and monitoring procedure for process control and finished drinking water quality including requirements for sampling, testing and monitoring at the conditions most challenging to the Subject System,
- b) a description of relevant sampling, testing or monitoring activities, if any, that take place upstream of the Subject System, and
- c) a procedure that describes how sampling, testing and monitoring results are recorded and shared between the Operating Authority and the Owner, where applicable.

DO – The Operating Authority shall implement and conform to the procedures.

17. Measurement and Recording Equipment Calibration and Maintenance

PLAN – The Operational Plan shall document a procedure for the calibration and maintenance of measurement and recording equipment.

DO – The Operating Authority shall implement and conform to the procedure.

18. Emergency Management

PLAN – The Operational Plan shall document a procedure to maintain a state of emergency preparedness that includes:

- a) a list of potential emergency situations or service interruptions,
- b) processes for emergency response and recovery,
- c) emergency response training and testing requirements,
- d) Owner and Operating Authority responsibilities during emergency situations,
- e) references to municipal emergency planning measures as appropriate, and
- f) an emergency communication protocol and an up-to-date list of emergency contacts.

DO – The Operating Authority shall implement and conform to the procedure.

CHECK Elements of the Quality Management Standard

19. Internal Audits

PLAN – The Operational Plan shall document a procedure for internal Audits that:

- a) evaluates conformity of the Quality Management System with the requirements of this Standard,
- b) identifies internal Audit criteria, frequency, scope, methodology and record-keeping requirements,
- c) considers previous internal and external Audit results, and
- d) describes how Quality Management System Corrective Actions are identified and initiated.

DO – The Operating Authority shall implement and conform to the procedure and shall ensure that internal Audits are conducted at least once every Calendar Year.

20. Management Review

PLAN – The Operational Plan shall document a procedure for management review that evaluates the continuing suitability, adequacy and effectiveness of the Quality Management System and that includes consideration of:

- a) incidents of regulatory non-compliance,
- b) incidents of adverse drinking water tests,
- c) deviations from Critical Control Point limits and response actions,
- d) the effectiveness of the risk assessment process,
- e) internal and third-party Audit results,
- f) results of emergency response testing,
- g) operational performance,
- h) raw water supply and drinking water quality trends,
- i) follow-up on action items from previous management reviews,
- j) the status of management action items identified between reviews,
- k) changes that could affect the Quality Management System,
- l) Consumer feedback,
- m) the resources needed to maintain the Quality Management System,
- n) the results of the infrastructure review,
- o) Operational Plan currency, content and updates, and
- p) staff suggestions.

DO – Top Management shall implement and conform to the procedure and shall:

- a) ensure that a management review is conducted at least once every Calendar Year,
- b) consider the results of the management review and identify deficiencies and actions items to address the deficiencies,
- c) provide a record of any decisions and action items related to the management review including the personnel responsible for delivering the action items and the proposed timelines for their implementation, and
- d) report the results of the management review, the identified deficiencies, decisions and action items to the Owner.


IMPROVE Element of the Quality Management Standard

21. Continual Improvement

PLAN – The Operating Authority shall develop a procedure for tracking and measuring continual improvement of its Quality Management System by:

- a) reviewing and considering applicable best management practices, including any published by the Ministry of the Environment and Climate Change and available on www.ontario.ca/drinkingwater, at least once every thirty-six months;
- b) documenting a process for identification and management of Quality Management System Corrective Actions that includes:
 - i. investigating the cause(s) of an identified non-conformity,
 - ii. documenting the action(s) that will be taken to correct the non-conformity and prevent the non-conformity from re-occurring, and
 - iii. reviewing the action(s) taken to correct the non-conformity, verifying that they are implemented and are effective in correcting and preventing the re-occurrence of the non-conformity.
- c) documenting a process for identifying and implementing Preventive Actions to eliminate the occurrence of potential non-conformities in the Quality Management System that includes:
 - i. reviewing potential non-conformities that are identified to determine if preventive actions may be necessary,
 - ii. documenting the outcome of the review, including the action(s), if any, that will be taken to prevent a non-conformity from occurring, and
 - iii. reviewing the action(s) taken to prevent a non-conformity, verifying that they are implemented and are effective in preventing the occurrence of the non-conformity.

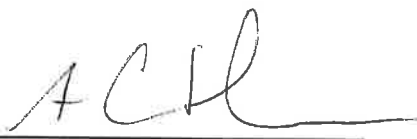
DO – The Operating Authority shall strive to continually improve the effectiveness of its Quality Management System by implementing and conforming to the procedure.

	Element	QMS E2
	Date: November 18, 2016	Revision: 0
	Approved By: Supervisor, Water and Wastewater Operations	
Quality Management System Policy (2019 Endorsement)		Page 1 of 1

The Corporation of the City of Kawartha Lakes owns twenty-one drinking water systems and six wastewater treatment and collection facilities. The Water and Wastewater Division is the operating authority for the Lindsay Water Treatment Plant, all twenty-one drinking water distribution systems and six wastewater collection systems. We are dedicated to developing a high level of trust, commitment and accountability by consistently delivering high quality and safe drinking water to the consumers in the City of Kawartha Lakes.

The Corporation of the City of Kawartha Lakes is committed to:

- Providing safe and reliable drinking water services to our residents and businesses
- Promoting consumer confidence in municipal drinking water;
- Meeting and surpassing applicable legislation and regulations as related to the provision of safe drinking water; and
- Strive to maintain and continually improve the effectiveness of the Quality Management System in a responsible manner through ongoing review, assessment and action.



Mayor



CAO

January 14, 2019
Date

January 14 2019
Date

Audit Report

Upgrade Audit for

The Corporation of the City of Kawartha Lakes

1631768-02

Audited Address: 12 Peel Street, P.O Box 9000, Lindsay, Ontario,
CAN, K9V 5R8

Start Date: Apr 14, 2019 End Date: Apr 15, 2019

Type of audit - Surveillance System Audit

Issue Date: Apr 15, 2019

Revision Level: *Final*

BACKGROUND INFORMATION

SAI Global conducted an audit of The Corporation of the City of Kawartha Lakes beginning on Apr 14, 2019 and ending on Apr 15, 2019 to DRINKING WATER QUALITY MANAGEMENT STANDARD VERSION 2 - 2017.

The purpose of this audit report is to summarise the degree of compliance with relevant criteria, as defined on the cover page of this report, based on the evidence obtained during the audit of your organization. This audit report considers your organization's policies, objectives, and continual improvement processes. Comments may include how suitable the objectives selected by your organization appear to be in regard to maintaining customer satisfaction levels and providing other benefits with respect to policy and other external and internal needs. We may also comment regarding the measurable progress you have made in reaching these targets for improvement.

SAI Global audits are carried out within the requirements of SAI Global procedures that also reflect the requirements and guidance provided in the international standards relating to audit practice such as ISO/IEC 17021-1, ISO 19011 and other normative criteria. SAI Global Auditors are assigned to audits according to industry, standard or technical competencies appropriate to the organization being audited. Details of such experience and competency are maintained in our records.

In addition to the information contained in this audit report, SAI Global maintains files for each client. These files contain details of organization size and personnel as well as evidence collected during preliminary and subsequent audit activities (Documentation Review and Scope) relevant to the application for initial and continuing certification of your organization.

Please take care to advise us of any change that may affect the application/certification or may assist us to keep your contact information up to date, as required by SAI Global Terms and Conditions.

This report has been prepared by SAI Global Limited (SAI Global) in respect of a Client's application for assessment by SAI Global. The purpose of the report is to comment upon evidence of the Client's compliance with the standards or other criteria specified. The content of this report applies only to matters, which were evident to SAI Global at the time of the audit, based on sampling of evidence provided and within the audit scope. SAI Global does not warrant or otherwise comment upon the suitability of the contents of the report or the certificate for any particular purpose or use. SAI Global accepts no liability whatsoever for consequences to, or actions taken by, third parties as a result of or in reliance upon information contained in this report or certificate.

Please note that this report is subject to independent review and approval. Should changes to the outcomes of this report be necessary as a result of the review, a revised report will be issued and will supersede this report.

Standard: DRINKING WATER QUALITY MANAGEMENT STANDARD VERSION 2 - 2017

Scope of Certification: Drinking Water

Drinking Water System Owner: The Corporation of the City of Kawartha Lakes

Operating Authority: The Corporation of the City of Kawartha Lakes

Owner: The Corporation of the City of Kawartha Lakes

Population Served: 30208

Activities: Treatment (Lindsay DWS only) and Distribution (all systems)
Lindsay Drinking Water System (license # 141-120)
Birchpoint Estates Drinking Water System (license # 141-109)
Bobcaygeon Drinking Water System (license # 141-105)
Canadiana Shores Drinking Water System (license # 141-112)
Fenelon Falls Drinking Water System (license # 141-104)
Janetville Drinking Water System (license # 141-111)
Kings Bay Drinking Water System (license # 141-119)
Kinmount Drinking Water System (license # 141-121)
Manilla Drinking Water System (license # 141-106)
Manorview Drinking Water System (license # 141-118)
Mariposa Estates Drinking Water System (license # 141-117)
Norland Drinking Water System (license # 141-103)
Omeme Drinking Water System (license # 141-108)
Pinewood Drinking Water System (license # 141-110)
Pleasant Point Drinking Water System (license # 141-113)
Sonya Village Subdivision Drinking Water System (license # 141-107)
Southview Drinking Water System (license # 141-101)
Victoria Place Drinking Water System (license # 141-114)
Western Trent/Palmina Drinking Water System (license # 141-102)
Woodfield Drinking Water System (license # 141-116)
Woodville Drinking Water System (license # 141-115)

Drinking Water Systems

Total audit duration: Person(s): 1 Day(s): 1.25

Audit Team Member(s): Team Leader Paul Cartlidge

Other Participants: None

Audit Report

Definitions and action required with respect to audit findings

Major Non-conformance:

Based on objective evidence, the absence of, or a significant failure to implement and/or maintain conformance to requirements of the applicable standard. Such issues may raise significant doubt as to the capability of the management system to achieve its intended outputs (i.e. the absence of or failure to implement a complete Management System clause of the standard); or

A situation which would on the basis of available objective evidence, raise significant doubt as to the capability of the Management System to achieve the stated policy and objectives of the customer.

NOTE: The "applicable Standard" is the Standard which SAI Global are issuing certification against, and may be a Product Standard, a management system Standard, a food safety Standard or another set of documented criteria.

Action required: This category of findings requires SAI Global to issue a formal NCR; to receive and approve client's proposed correction and corrective action plans; and formally verify the effective implementation of planned activities. Correction and corrective action plan should be submitted to SAI Global prior to commencement of follow-up activities as required. Follow-up action by SAI Global must 'close out' the NCR or reduce it to a lesser category within 90 days for initial certification and within 60 days for surveillance or re-certification audits, from the last day of the audit.

If significant risk issues (e.g. safety, environmental, food safety, product legality/quality, etc.) are detected during an audit these shall be reported immediately to the Client and more immediate or instant correction shall be requested. If this is not agreed and cannot be resolved to the satisfaction of SAI Global, immediate suspension shall be recommended.

In the case of initial certification, failure to close out NCR within the time limits means that the Certification Audit may be repeated.

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In the case of an already certified client, failure to close out NCR within the time limits means that suspension proceedings may be instituted by SAI Global.

Follow-up activities incur additional charges.

Minor Non-conformance:

Represents either a management system weakness or minor issue that could lead to a major nonconformance if not addressed. Each minor NC should be considered for potential improvement and to further investigate any system weaknesses for possible inclusion in the corrective action program

Action required: This category of findings requires SAI Global to issue a formal NCR; to receive and approve client's proposed correction and corrective action plans; and formally verify the effective implementation of planned activities at the next scheduled audit.

Opportunity for Improvement:

A documented statement, which may identify areas for improvement however shall not make specific recommendation(s).

Action required: Client may develop and implement solutions in order to add value to operations and management systems. SAI Global is not required to follow-up on this category of audit finding.

Audit Type and Purpose

Surveillance Audit:

A systems desktop audit in accordance with the systems audit procedure as it applies to Full Scope accreditation. The audit also included consideration of the results of the most recent audit undertaken in accordance with this Accreditation Protocol and any of the following that have occurred subsequent to that audit including but limited to;

- (a) the results of any audits undertaken in accordance with element 19 of the DWQMS V2;
- (b) historical responses taken to address corrective action requests made by an Accreditation Body;
- (c) the results of any management reviews undertaken in accordance with element 20 of the DWQMS V2; and,
- (d) any changes to the documentation and implementation of the QMS.

Audit Objectives

The objective of the audit was to determine whether the drinking water Quality Management System (QMS) of the subject system conforms to the requirements of the Ontario Ministry of the Environment & Climate Change (MOECC) Drinking Water Quality Management Standard (DWQMS V2).

The audit was also intended to gather the information necessary for SAI Global to assess whether accreditation can continue or be offered or to the operating authority.

Audit Scope

The facilities and processes associated with the operating authority's QMS were objectively evaluated to obtain audit evidence and to determine a) whether the quality management activities and related results conform with DWQMS V2 requirements, and b) if they have been effectively implemented and/or maintained.

Audit Criteria:

- The Drinking Water Quality Management Standard Version 2
- Current QMS manuals, procedures and records implemented by the Operating Authority
- SAI Global Accreditation Program Handbook

Confidentiality and Documentation Requirements

The SAI Global stores their records and reports to ensure their preservation and confidentiality. Unless required by law, the SAI Global will not disclose audit records to a third party without prior written consent of the applicant. The only exception will be that the SAI Global will provide audit and corrective action reports to the Ontario Ministry of the Environment. For more information, please refer to the SAI Global Accreditation Program Handbook.

As part of the SAI Global Terms, it is necessary for you to notify SAI Global of any changes to your Quality Management System that you believe are significant enough to risk non-conformity with DWQMS V2: For more information, please refer to the SAI Global Accreditation Program Handbook.

Review of any changes

Changes to the Operating Authority since last audit include: none identified

EXECUTIVE OVERVIEW

Based on the results of this surveillance system audit the management system remains effectively implemented and meets the requirements of the standard relative to the scope of certification; therefore, a recommendation for certification will be submitted.

Recommendation

Based on the results of this audit it has been determined that the management system is effectively implemented and maintained and meets the requirements of the standard relative to the scope of certification identified in this report; therefore, a recommendation for certification will be submitted to SAI Global review team.

Opportunities for Improvement:

The following opportunities for improvement have been identified.

- Element # 19 - Consider specifically referencing V2.0 of the Drinking Water Quality Management Standard in the Internal Audit Report Template.

It is suggested that the opportunities for improvement be considered by management to further enhance the Operating Authority's Quality Management System and performance.

Management System Documentation

The management systems operational plan was reviewed and found to be in conformance with the requirements of the standard.

Management Review

Records of the most recent management review meetings were verified and found to meet the requirements of the standard. All inputs were reflected in the records, and appear suitably managed as reflected by resulting actions and decisions.

Internal Audits

Internal audits are being conducted at planned intervals to ensure conformance to planned arrangements, the requirements of the standard and the established management system.

Corrective, Preventive Action & Continual Improvement Processes

The Operating Authority is implementing an effective process for the continual improvement of the management system through the use of the quality policy, quality objectives, audit results, data analysis, the appropriate management of corrective and preventive actions and management review.

Summary of Findings

1. Quality Management System	Conforms
2. Quality Management System Policy	Conforms
3. Commitment and Endorsement	Conforms
4. Quality Management System Representative	Conforms
5. Document and Records Control	Conforms
6. Drinking-Water System	Conforms
7. Risk Assessment	Conforms
8. Risk Assessment Outcomes	Conforms
9. Organizational Structure, Roles, Responsibilities and Authorities	Conforms
10. Competencies	Conforms
11. Personnel Coverage	Conforms
12. Communications	Conforms
13. Essential Supplies and Services	Conforms
14. Review and Provision of Infrastructure	Conforms
15. Infrastructure Maintenance, Rehabilitation & Renewal	Conforms
16. Sampling, Testing and Monitoring	Conforms
17. Measurement & Recording Equipment Calibration and Maintenance	Conforms
18. Emergency Management	Conforms
19. Internal Audits	OFI
20. Management Review	Conforms
21. Continual Improvement	Conforms
Major NCR #	Major non-conformity. The auditor has determined one of the following: (a) a required element of the DWQMS has not been incorporated into a QMS; (b) a systemic problem with a QMS is evidenced by two or more minor non-conformities; or (c) a minor non-conformity identified with a corrective action request has not been remedied.
Minor NCR #	Minor non-conformity. In the opinion of the auditor, part of a required element of the DWQMS has not been incorporated satisfactorily into a QMS.
OFI	Opportunity for improvement. Conforms to requirement, but there is an opportunity for improvement.
Conforms	Conforms to requirement.
NANC	Not applicable/Not Covered during this audit.
****	Additional comment added by auditor in the body of the report.

PART D. Audit Observations, Findings and Comments

DWQMS Reference:	1 Quality Management System
Client Reference:	QMS E1 Overview of Operational Plan, revision 7, April 25, 2018
Details: Documented Quality Management System described in the City of Kawartha Lakes Operational Plan. Reviewed and accepted.	

DWQMS Reference:	2 Quality Management System Policy
Client Reference:	QMS E2 Quality Management System Policy (2019 Endorsement), revision 0, November 18, 2016
Details: Policy Statement describes the goals of the Quality Management System – reviewed and accepted. Policy Statement is endorsed by The Mayor and CAO of the City of Kawartha Lakes in January 2018.	

DWQMS Reference:	3 Commitment and Endorsement
Client Reference:	QMS E3 Commitment and Endorsement, revision 1, November 11, 2017
Details: QMS E3 is signed by the Director, Public Works, Manager, Environmental Services and Supervisor, Water and Wastewater Operations in January 2019. The Owner (represented by Mayor and Council) endorses the Operational Plan through a Council Resolution represented by the Director, Public Works, which occurred on December 11, 2018	

DWQMS Reference:	4 Quality Management System Representative
Client Reference:	QMS E4 QMS Representative, revision 5, April 25, 2018
Details: The role of QMS Representative is appointed through procedure QMS E4 and the letter of appointment for the Quality Management and Policy Coordinator signed April 2015. Reviewed and accepted.	

DWQMS Reference:	5 Document and Record Control
Client Reference:	QMS E5 Document and Records Control, revision 14, April 26, 2018
Details: Procedure E5 contains instructions for documents and records control. Reviewed and accepted.	

DWQMS Reference:	6 Drinking Water System
Client Reference:	QMS E6 Drinking Water System, revision 16, March 18, 2019
<p>Details: Contents of Drinking Water System Descriptions reviewed and accepted for all systems including:</p> <ul style="list-style-type: none"> • Lindsay Drinking Water System (Treatment and Distribution) • Bobcaygeon Drinking Water System (Distribution only) • Canadiana Shores Drinking Water System (Distribution only) • Fenelon Falls Drinking Water System (Distribution only) • Janetville Drinking Water System (Distribution only) • Kings Bay Drinking Water System (Distribution only) • Kinmount Drinking Water System (Distribution only) • Manilla Drinking Water System (Distribution only) • Manorview Drinking Water System (Distribution only) • Mariposa Estates Drinking Water System (Distribution only) 	

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- Norland Drinking Water System (Distribution only)
- Omemee Drinking Water System (Distribution only)
- Pinewood Drinking Water System (Distribution only)
- Pleasant Point Drinking Water System (Distribution only)
- Southview Drinking Water System (Distribution only)
- Victoria Place Drinking Water System (Distribution only)
- Woodfield Drinking Water System (Distribution only)
- Woodville Drinking Water System (Distribution only)
- Sonya Village Subdivision Drinking Water System (Distribution only)
- Western Trent/Palmina Drinking Water System (Distribution only)
- Birchpoint Estates Drinking Water System (Distribution only)

DWQMS Reference	7 Risk Assessment
Client Reference:	QMS E7 Risk Assessment, revision 9, May 1, 2017
Details: Procedure E7 reviewed and accepted.	

DWQMS Reference:	8 Risk Assessment Outcomes
Client Reference:	QMS E8 Risk Assessment Outcomes, revision 0, March 6, 2018 QMS E8 Appendix 1 Risk Assessment Rating and Best Management Practices, revision 4, June 25, 2018 QMS-08-T-01 Risk Assessment Tables, revision 0, November 15, 2018 QMS E8 T2 Summary of Critical Control Points, revision 0, November 15, 2018
Details: Risk Assessment Outcomes adequately describes all risk, hazards, hazardous events and critical control limits for the Drinking Water System and covers all required risks as described in the MOECC document "Potential Hazardous Events for Municipal Residential Drinking Water Systems". Risk assessment outcomes are summarized in the Risk Assessment Tables and are current for Lindsay DWS and all Distribution Systems as of November 2018 when a new 36-month assessment was performed. Reviewed and accepted.	

DWQMS Reference:	9 Organizational Structure, Roles, Responsibility and Authorities
Client Reference:	QMS E9 Organizational Structure, Roles, Responsibility and Authorities, revision 6, May 1, 2017 QMS E9 Appendix A Water and Wastewater Division Organizational Chart, revision 10, November 21, 2016
Details: Procedure E9 reviewed and accepted.	

DWQMS Reference:	10 Competencies
Client Reference:	QMS E10 Competencies, revision 12, March 26, 2018 QMS E10 T1 Competencies Table, revision 10, May 17, 2018
Details: Procedure E10 reviewed and accepted.	

DWQMS Reference:	11 Personnel Coverage
Client Reference:	QMS E11 Personnel Coverage, revision 11, November 7, 2016
Details: Procedure E11 reviewed and accepted.	

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DWQMS Reference:	12 Communications
Client Reference:	QMS E12 Communications, revision 7, April 25, 2018
Details: Procedure E12 reviewed and accepted. Examples of Communications with suppliers include a letter outlining requirements of the QMS which was sent to all critical suppliers in July 2018. Reviewed and accepted.	

DWQMS Reference:	13 Essential Supplies and Services
Client Reference:	QMS E13 Essential Supplies and Services, revision 10, November 21, 2016
Details: Procedure E13 reviewed and accepted.	

DWQMS Reference:	14 Review and Provision of Infrastructure
Client Reference:	QMS E14 Review and Provision of Infrastructure, revision 10, June 13, 2018
Details: Procedure E14 reviewed and accepted. Risk assessment outcomes are taken into account as per procedure. A 10 year long term plan (2016-2025) of infrastructure requirements is maintained and discussed with the Owner. Items can be related to risk assessment (e.g. Lindsay WTP Actiflo Relining #2 in 2019 – affects CCP as per Risk Assessment Outcomes)	

DWQMS Reference:	15 Infrastructure Maintenance, Rehabilitation and Renewal
Client Reference:	QMS E15 Infrastructure Maintenance, Rehabilitation and Renewal, revision 13, September 27, 2018
Details: Procedure E15 reviewed and accepted. Operational Plan includes a process for maintenance of Infrastructure and includes a requirement to review with the System Owner. Reviewed and accepted. 10 year long term plan (2016-2025) reviewed.	

DWQMS Reference:	16 Sampling, Testing and Monitoring
Client Reference:	QMS E16 Sampling, Testing and Monitoring, revision 9, September 7, 2018
Details: Procedure E16 reviewed and accepted.	

DWQMS Reference:	17 Measurement and Recording Equipment Calibration and Maintenance
Client Reference:	QMS E17 Measurement and Recording Equipment Calibration and Maintenance, revision 10, November 21, 2016
Details: Procedure E17 reviewed and accepted.	

DWQMS Reference:	18 Emergency Management
Client Reference:	QMS E18 Emergency Management, revision 11, July 11, 2017
Details: Procedure E18 reviewed and accepted. Contingency Plan for Lindsay DWS and an Emergency Contact list are established.	

Audit Report

DWQMS Reference:	19 Internal Audits
Client Reference:	QMS E19 Internal Audits, revision 8, September 27, 2018
<p>Details: Procedure E19 reviewed and accepted. Internal Audits are performed at least once every calendar year. Most recent internal audit for City of Kawartha Lakes Systems performed November 5-12, 2018 to V2.0 of the DWQMS. No Non-conformances and 7 Opportunities for Improvement were identified.</p> <p>Opportunity for Improvement – Consider specifically referencing V2.0 of the Drinking Water Quality Management Standard in the Internal Audit Report Template.</p>	

DWQMS Reference:	20 Management Review
Client Reference:	QMS E20 Management Review, revision 8, April 26, 2018
<p>Details: Procedure E20 captures all PLAN requirements from section 20 of the DWQMS. Management Reviews are conducted a minimum of once every calendar year. Reviewed and accepted. Most recent Management Review Meeting performed July 16, 2018. Action items are noted in the meeting minutes and on the Action Items Tracking Log. Updates made as action items are completed. Reviewed and accepted.</p>	

DWQMS Reference:	21 Continual Improvement
Client Reference:	QMS E21 Continual Improvement, revision 8, June 15, 2018
<p>Details: Procedure E21 reviewed and accepted. Corrective Actions, Preventive Actions and Best Management Practices reviewed included:</p> <ul style="list-style-type: none">• 7 Opportunities for Improvement from 2018 Internal Audit• CAR # 2019-01 for THM RAA adverse test result• Best Management Practices are reviewed during the Risk Assessment as described in QMS E08 Appendix 1 Risk Assessment Rating and Best Management Practices, revision 4, June 25, 2018	

Details regarding the personnel interviewed and objective evidence reviewed are maintained on file at SAI Global.

This report was prepared by:


Paul Carlidge
SAI Global Management Systems Auditor

The audit report is distributed as follows:


- SAI Global
- Operating Authority
- Owner
- MOECC

Notes


Copies of this report distributed outside the organization must include all pages.

	Form	QMS_20_03
	Date: July 24, 2013	Revision: 1
	Approved By: QMS Representative/QMS Designate	
Top Management Review Action Items Tracking		Page 1 of 4


Agenda Item	Decision/Action	Responsible	Date Due	Status
a) Incidents of regulatory non-compliance	-2018 inspection– 100% on inspection report	N/A	N/A	Inspections held annually
b) Incidents of adverse drinking water tests	-Five AWQI's were minor. THM results are not 'resolved' but ongoing and resolved. -The explanation of "operator error" on adverse tracking sheet (and thus in annual reports) to be changed to "unidentifiable"	Julie Henry	ASAP	In process
c) Deviations from critical control point limits and response actions	-Five instances during each AWQI -instances during mainbreaks - No other instances identified	Operators responsible for noting all deviations in facility logbook	N/A	Ongoing
e) Efficacy of the risk assessment process	- Two previously identified CPP's declared not CPP (still hazards) due to the reduction of the likelihood rating - No new action items identified	N/A	N/A	-Complete Next Risk Assessment Nov. 2019 Next 3 year review in 2020

	Form	QMS_20_03
	Date: July 24, 2013	Revision: 1
	Approved By: QMS Representative/QMS Designate	
Top Management Review Action Items Tracking		Page 2 of 4

Agenda Item	Decision/Action	Responsible	Date Due	Status
d) Results of audits (internal and external)	External audit resulted in 6 minor OFI's – addressed via training. -External audit – one minor OFI, no NC's -Discussion that the next internal audit should include onsite process auditing	N/A	N/A	The next internal audit will be held in Nov 2020 The next external audit will be in Spring 2020
e) Results of relevant emergency response testing	-Emergency Response Training held in March 2019 was successful. Staff responsive and knowledgeable about the topic.	Julie Henry, QMPC Terry Farr, ORO, Supervisor DC Nathan Braund, Oro, Supervisor WT	N/A	Next training March 2020
f) Operational performance	- All AWQI resolved. -Discussion that operational performance for the next review could include items such as mainbreak information and leak detection/water loss	N/A	N/A	Ongoing
g) Raw water supply and drinking water quality trends	-All annual reports complete and posted on website for public access. No new action item identified.	OCWA and CKL Water Staff	The next annual reports are to be completed before February 28, 2020	Annual
h) Follow-up action items from previous management reviews	-All action items from 2018 Management Review addressed. -Follow up needed on JDE Failure choices	Top Management and QMPC	ASAP	Annual

	Form	QMS_20_03
	Date: July 24, 2013	Revision: 1
	Approved By: QMS Representative/QMS Designate	
Top Management Review Action Items Tracking		Page 3 of 4

Agenda Item	Decision/Action	Responsible	Date Due	Status
i) Status of management action items identified between reviews	- Currently, no action item identified but Top Management may make suggestions at any time	Top Management	N/A	Open
j) Changes that could affect the QMS	-2018 Management Review items No new action items identified.	N/A	N/A	Open
k) Summary of consumer feedback	-Entry of cases into JDE requires updating. There are too many choices for similar calls and various employees are entering information differently. Reduction in choices required / standard process required.	Julie Henry/Amber Hayter	ASAP	In process
l) Resources needed to maintain the QMS	-All resources required in place.	N/A	N/A	Open
m) Results of the infrastructure review	- No new action items identified	Management	N/A	Annual
n) Operational Plan currency, content and updates	- OP is a living document – updates are ongoing -Last full update March 2019	Julie Henry, QMPC	N/A	Ongoing (living document)
o) Summary of staff suggestions	-No staff suggestions received. No new action items identified.	N/A	N/A	Open

	Form	QMS_20_03
	Date: July 24, 2013	Revision: 1
	Approved By: QMS Representative/QMS Designate	
Top Management Review Action Items Tracking		Page 4 of 4

Agenda Item	Decision/Action	Responsible	Date Due	Status
p) New Business	-No new action items identified	N/A	N/A	Open
q) Date of Next Meeting	The next meeting will be scheduled for June/July 2020	Julie Henry, QMPC	May 2020	Held Annually



Ontario Clean Water Agency

City of Kawartha Lakes Multi Facility Operational Plan

QEMS Doc: OP-03A
Rev Date: 31-Aug-18
Rev No: 3
Pages: 1 of 2

SIGNED COMMITMENT AND ENDORSEMENT

This Operational Plan sets out the framework for OCWA' Quality & Environmental Management System (QEMS) that is specific and relevant to your drinking water system(s) and supports the overall goal of OCWA and the City of Kawartha Lakes (Owner) to provide safe, cost-effective drinking water through sustained cooperation. OCWA will be responsible for developing, implementing, maintaining and continually improving its QEMS with respect to the operation and maintenance of the City of Kawartha Lakes Drinking Water Systems (CKL DWS) and will do so in a manner that ensures compliance with applicable legislative and regulatory requirements.

Through the endorsement of this Operational Plan, the Owner commits to work with OCWA to facilitate this goal.

OCWA Top Management Endorsement

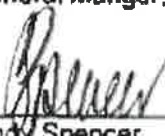
Owner Endorsement


Geoff Redden
General Manager, Kawartha Hub

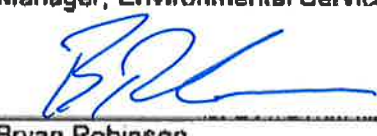
JAN 8/2019
Date


David Kerr
Manager, Environmental Services

JAN 10/19
Date


Cindy Spencer
Regional Hub Manager, Kawartha Trent

JAN 8/2019
Date


Bryan Robinson
Director, Public Works

AUG 19
Date

The endorsement above is based on the Operational Plan that was current as of the revision date of this document (OP-03A).

SIGNED COMMITMENT AND ENDORSEMENT

Date	Revision #	Reason for Revision
08-Mar-16	0	<p>Appendix issued; Table was originally included within the Document and Records Control Procedure (QP-01) (last revision #12 dated 31-Oct-17). Refer to OP-05 for the QP-01 revision history.</p> <p>The signed endorsement was moved from page 9 of the Operational Plan to Appendix N. Removed the word approval from endorsement signatures.</p> <p>The past endorsement history is as follows: Original endorsement: April 23, 2009 – Don Ross (OCWA – Operations Manager) April 24, 2009 – Ilmari Komulainen (OCWA – Regional Manager) August 28, 2009 - David Kerr (Owner – Manager, Environmental Services) August 31, 2009 – Ken Becking (Owner – Director, Public Works)</p> <p>Name and title changes: May 1, 2013 – Don Ross (OCWA – Operations Manager), Ilmari Komulainen (OCWA – Regional Manager) October 17, 2013 - David Kerr (Owner – Manager, Environmental Services), Michelle Hendry (Owner – Director, Public Works)</p> <p>Additional drinking water systems: November 21, 2014 – Don Ross (OCWA – Operations Manager), Ilmari Komulainen (OCWA – Regional Manager) January 7, 2015 - David Kerr (Owner – Manager, Environmental Services), Michelle Hendry (Owner – Director, Public Works)</p>
01-Nov-16	1	<p>OCWA: Geoff Redden, Senior Operations Manager & Cindy Spencer, Regional Manager Owner: David Kerr Manager, Environmental Services & Bryan Robinson, Director, Public Works</p>
8-Jan-18	2	<p>OCWA: Geoff Redden, General Manager & Cindy Spencer, Regional Manager Owner: David Kerr Manager, Environmental Services & Bryan Robinson, Director, Public Works</p>
31-Aug-18	3	<p>Operational Plan updated to include DWQMS 2.0 requirements. OCWA: Geoff Redden, General Manager & Cindy Spencer, Regional Manager signed 8-Jan-19 Owner: David Kerr Manager, Environmental Services & Bryan Robinson, Director, Public Works signed 9-Jan-19 and 10-Jan-19</p>

Audit Report

Upgrade Audit for

Ontario Clean Water Agency for the City of Kawartha Lakes

1634181-02

Audited Address: 12 Peel St., Box 9000, Lindsay, Ontario, CAN,
K9V 5R8

Start Date: Apr 01, 2019 End Date: Apr 02, 2019

Type of audit - Surveillance System Audit

Issue Date: Apr 02, 2019

Revision Level: *Final*

BACKGROUND INFORMATION

SAI Global conducted an audit of City of Kawartha Lakes beginning on Apr 01, 2019 and ending on Apr 02, 2019 to DRINKING WATER QUALITY MANAGEMENT STANDARD VERSION 2 - 2017.

The purpose of this audit report is to summarise the degree of compliance with relevant criteria, as defined on the cover page of this report, based on the evidence obtained during the audit of your organization. This audit report considers your organization's policies, objectives, and continual improvement processes. Comments may include how suitable the objectives selected by your organization appear to be in regard to maintaining customer satisfaction levels and providing other benefits with respect to policy and other external and internal needs. We may also comment regarding the measurable progress you have made in reaching these targets for improvement.

SAI Global audits are carried out within the requirements of SAI Global procedures that also reflect the requirements and guidance provided in the international standards relating to audit practice such as ISO/IEC 17021-1, ISO 19011 and other normative criteria. SAI Global Auditors are assigned to audits according to industry, standard or technical competencies appropriate to the organization being audited. Details of such experience and competency are maintained in our records.

In addition to the information contained in this audit report, SAI Global maintains files for each client. These files contain details of organization size and personnel as well as evidence collected during preliminary and subsequent audit activities (Documentation Review and Scope) relevant to the application for initial and continuing certification of your organization.

Please take care to advise us of any change that may affect the application/certification or may assist us to keep your contact information up to date, as required by SAI Global Terms and Conditions.

This report has been prepared by SAI Global Limited (SAI Global) in respect of a Client's application for assessment by SAI Global. The purpose of the report is to comment upon evidence of the Client's compliance with the standards or other criteria specified. The content of this report applies only to matters, which were evident to SAI Global at the time of the audit, based on sampling of evidence provided and within the audit scope. SAI Global does not warrant or otherwise comment upon the suitability of the contents of the report or the certificate for any particular purpose or use. SAI Global accepts no liability whatsoever for consequences to, or actions taken by, third parties as a result of or in reliance upon information contained in this report or certificate.

Please note that this report is subject to independent review and approval. Should changes to the outcomes of this report be necessary as a result of the review, a revised report will be issued and will supersede this report.

Standard: DRINKING WATER QUALITY MANAGEMENT STANDARD VERSION 2 - 2017

Scope of Certification: Drinking Water

Drinking Water System Owner: City of Kawartha Lakes

Operating Authority: Ontario Clean Water Agency

Owner: City of Kawartha Lakes

Population Served: 11665

Activities: Treatment

Drinking Water Systems

- Birchpoint Estates Drinking Water System (license # 141-109)
- Bobcaygeon Drinking Water System (license # 141-105)
- Canadiana Shores Drinking Water System (license # 141-112)
- Fenelon Falls Drinking Water System (license # 141-104)
- Janetville Drinking Water System (license # 141-111)
- Kings Bay Drinking Water System (license # 141-119)
- Kinmount Drinking Water System (license # 141-121)
- Manorview Drinking Water System (license # 141-118)
- Mariposa Estates Drinking Water System (license # 141-117)
- Norland Drinking Water System (license # 141-103)
- Omeme Drinking Water System (license # 141-108)
- Pinewood Drinking Water System (license # 141-110)
- Pleasant Point Drinking Water System (license # 141-113)
- Sonya Village Subdivision Drinking Water System (license # 141-107)
- Southview Drinking Water System (license # 141-101)
- Victoria Place Drinking Water System (license # 141-114)
- Western Trent/Palmina Drinking Water System (license # 141-102)
- Woodfield Drinking Water System (license # 141-116)
- Woods of Manilla Drinking Water System (license # 141-106)
- Woodville Drinking Water System (license # 141-115)

Total audit duration: Person(s): 1 Day(s): 1.88

Audit Team Member(s): Team Leader Paul Cartlidge

Other Participants: None

Audit Report

Definitions and action required with respect to audit findings

Major Non-conformance:

Based on objective evidence, the absence of, or a significant failure to implement and/or maintain conformance to requirements of the applicable standard. Such issues may raise significant doubt as to the capability of the management system to achieve its intended outputs (i.e. the absence of or failure to implement a complete Management System clause of the standard); or

A situation which would on the basis of available objective evidence, raise significant doubt as to the capability of the Management System to achieve the stated policy and objectives of the customer.

NOTE: The "applicable Standard" is the Standard which SAI Global are issuing certification against, and may be a Product Standard, a management system Standard, a food safety Standard or another set of documented criteria.

Action required: This category of findings requires SAI Global to issue a formal NCR; to receive and approve client's proposed correction and corrective action plans; and formally verify the effective implementation of planned activities. Correction and corrective action plan should be submitted to SAI Global prior to commencement of follow-up activities as required. Follow-up action by SAI Global must 'close out' the NCR or reduce it to a lesser category within 90 days for initial certification and within 60 days for surveillance or re-certification audits, from the last day of the audit.

If significant risk issues (e.g. safety, environmental, food safety, product legality/quality, etc.) are detected during an audit these shall be reported immediately to the Client and more immediate or instant correction shall be requested. If this is not agreed and cannot be resolved to the satisfaction of SAI Global, immediate suspension shall be recommended.

In the case of initial certification, failure to close out NCR within the time limits means that the Certification Audit may be repeated.

If significant risk issues (e.g. safety, environmental, food safety, product legality/quality, etc.) are detected during an audit these shall be reported immediately to the Client and more immediate or instant correction shall be requested. If this is not agreed and cannot be resolved to the satisfaction of SAI Global, immediate suspension shall be recommended.

In the case of an already certified client, failure to close out NCR within the time limits means that suspension proceedings may be instituted by SAI Global.

Follow-up activities incur additional charges.

Minor Non-conformance:

Represents either a management system weakness or minor issue that could lead to a major nonconformance if not addressed. Each minor NC should be considered for potential improvement and to further investigate any system weaknesses for possible inclusion in the corrective action program

Action required: This category of findings requires SAI Global to issue a formal NCR; to receive and approve client's proposed correction and corrective action plans; and formally verify the effective implementation of planned activities at the next scheduled audit.

Opportunity for Improvement:

A documented statement, which may identify areas for improvement however shall not make specific recommendation(s).

Action required: Client may develop and implement solutions in order to add value to operations and management systems. SAI Global is not required to follow-up on this category of audit finding.

Audit Type and Purpose

Surveillance Audit:

A systems desktop audit in accordance with the systems audit procedure as it applies to Full Scope accreditation. The audit also included consideration of the results of the most recent audit undertaken in accordance with this Accreditation Protocol and any of the following that have occurred subsequent to that audit including but limited to;

- (a) the results of any audits undertaken in accordance with element 19 of the DWQMS V2;
- (b) historical responses taken to address corrective action requests made by an Accreditation Body;
- (c) the results of any management reviews undertaken in accordance with element 20 of the DWQMS V2; and,
- (d) any changes to the documentation and implementation of the QMS.

Audit Objectives

The objective of the audit was to determine whether the drinking water Quality Management System (QMS) of the subject system conforms to the requirements of the Ontario Ministry of the Environment & Climate Change (MOECC) Drinking Water Quality Management Standard (DWQMS V2).

The audit was also intended to gather the information necessary for SAI Global to assess whether accreditation can continue or be offered or to the operating authority.

Audit Scope

The facilities and processes associated with the operating authority's QMS were objectively evaluated to obtain audit evidence and to determine a) whether the quality management activities and related results conform with DWQMS V2 requirements, and b) if they have been effectively implemented and/or maintained.

Audit Criteria:

- The Drinking Water Quality Management Standard Version 2
- Current QMS manuals, procedures and records implemented by the Operating Authority
- SAI Global Accreditation Program Handbook

Confidentiality and Documentation Requirements

The SAI Global stores their records and reports to ensure their preservation and confidentiality. Unless required by law, the SAI Global will not disclose audit records to a third party without prior written consent of the applicant. The only exception will be that the SAI Global will provide audit and corrective action reports to the Ontario Ministry of the Environment. For more information, please refer to the SAI Global Accreditation Program Handbook.

As part of the SAI Global Terms, it is necessary for you to notify SAI Global of any changes to your Quality Management System that you believe are significant enough to risk non-conformity with DWQMS V2: For more information, please refer to the SAI Global Accreditation Program Handbook.

Review of any changes

Changes to the Operating Authority since last audit include: none identified

EXECUTIVE OVERVIEW

Based on the results of this surveillance system audit the management system remains effectively implemented and meets the requirements of the standard relative to the scope of certification; therefore, a recommendation for certification will be submitted.

Recommendation

Based on the results of this audit it has been determined that the management system is effectively implemented and maintained and meets the requirements of the standard relative to the scope of certification identified in this report; therefore, a recommendation for certification will be submitted to SAI Global review team.

Opportunities for Improvement:

None identified.

Management System Documentation

The management systems operational plan was reviewed and found to be in conformance with the requirements of the standard.

Management Review

Records of the most recent management review meetings were verified and found to meet the requirements of the standard. All inputs were reflected in the records, and appear suitably managed as reflected by resulting actions and decisions.

Internal Audits

Internal audits are being conducted at planned intervals to ensure conformance to planned arrangements, the requirements of the standard and the established management system.

Corrective, Preventive Action & Continual Improvement Processes

The Operating Authority is implementing an effective process for the continual improvement of the management system through the use of the quality policy, quality objectives, audit results, data analysis, the appropriate management of corrective and preventive actions and management review.

Summary of Findings

1. Quality Management System	Conforms
2. Quality Management System Policy	Conforms
3. Commitment and Endorsement	Conforms
4. Quality Management System Representative	Conforms
5. Document and Records Control	Conforms
6. Drinking-Water System	Conforms, ****
7. Risk Assessment	Conforms
8. Risk Assessment Outcomes	Conforms
9. Organizational Structure, Roles, Responsibilities and Authorities	Conforms
10. Competencies	Conforms
11. Personnel Coverage	Conforms
12. Communications	Conforms
13. Essential Supplies and Services	Conforms
14. Review and Provision of Infrastructure	Conforms
15. Infrastructure Maintenance, Rehabilitation & Renewal	Conforms
16. Sampling, Testing and Monitoring	Conforms
17. Measurement & Recording Equipment Calibration and Maintenance	Conforms
18. Emergency Management	Conforms
19. Internal Audits	Conforms
20. Management Review	Conforms
21. Continual Improvement	Conforms
Major NCR #	Major non-conformity. The auditor has determined one of the following: (a) a required element of the DWQMS has not been incorporated into a QMS; (b) a systemic problem with a QMS is evidenced by two or more minor non-conformities; or (c) a minor non-conformity identified with a corrective action request has not been remedied.
Minor NCR #	Minor non-conformity. In the opinion of the auditor, part of a required element of the DWQMS has not been incorporated satisfactorily into a QMS.
OFI	Opportunity for improvement. Conforms to requirement, but there is an opportunity for improvement.
Conforms	Conforms to requirement.
NANC	Not applicable/Not Covered during this audit.
****	Additional comment added by auditor in the body of the report.

PART D. Audit Observations, Findings and Comments

DWQMS Reference:	1 Quality Management System
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-01 Quality & Environmental Management System, rev. 0, 31-Aug-18
Details: Documented Quality Management System described in the City of Kawartha Lakes Multi Facility Operational Plan. Reviewed and accepted.	

DWQMS Reference:	2 Quality Management System Policy
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-02 Quality & Environmental Management System Policy, rev. 0, 31-Aug-18
Details: Policy Statement describes the Quality Management System – reviewed and accepted. Policy statement was revised and approved by OCWA Board of Directors on April 6, 2016. Reviewed and accepted.	

DWQMS Reference:	3 Commitment and Endorsement
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-03 Commitment and Endorsement, rev. 0, 31-Aug-18
Details: Appendix OP-03A contains written endorsement of Operational Plan signed by OCWA representatives on January 8, 2019 and City of Kawartha Lakes Manager of Environmental Services and Director of Public Works on January 9-10, 2019. QMS also endorsed by City of Kawartha Lakes council at the Council meeting on December 11, 2018. Reviewed and accepted.	

DWQMS Reference:	4 Quality Management System Representative
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-04 Quality & Environmental Management System (QEMS) Representative, rev. 0, 31-Aug-18
Details: The role of QEMS Representative for the CKL DWS is shared between the Kawartha Hub Process and Compliance Technicians (PCT). The Safety, Process and Compliance Manager will act as an alternate QEMS Representative when required. Reviewed and accepted.	

DWQMS Reference:	5 Document and Record Control
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-05 Document and Records Control, rev. 13, 31-Aug-18
Details: Procedure OP-05 Document and Records Control Procedure contains instructions for documents and records control. Reviewed and accepted.	

DWQMS Reference:	6 Drinking Water System
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-06 Drinking Water System, rev. 0, 31-Aug-18 and associated system descriptions
Details: Contents of Drinking Water System Descriptions reviewed and accepted for all systems including: <ul style="list-style-type: none">• OP-06A Birchpoint Estates Drinking Water System Description, revision 5, 31-Aug-18• OP-06B Bobcaygeon Drinking Water System Description, revision 10, 31-Aug-18• OP-06C Canadiana Shores Drinking Water System Description, revision 6, 31-Aug-18	

- OP-06D Fenelon Falls Drinking Water System Description, revision 8, 31-Aug-18
- OP-06E Janetville Drinking Water System Description, revision 5, 31-Aug-18
- OP-06F Kings Bay Drinking Water System Description, revision 6, 31-Aug-18
- OP-06G Kinmount Drinking Water System Description, revision 7, 31-Aug-18
- OP-06H Manorview Drinking Water System Description, revision 8, 31-Aug-18
- OP-06I Mariposa Estates Drinking Water System Description, revision 6, 31-Aug-18
- OP-06J Norland Drinking Water System Description, revision 6, 31-Aug-18
- OP-06K Omemee Drinking Water System Description, revision 6, 31-Aug-18
- OP-06L Pinewood Drinking Water System Description, revision 7, 31-Aug-18
- OP-06M Pleasant Point Drinking Water System Description, revision 8, 31-Aug-18
- OP-06N Sonya Drinking Water System Description, revision 3, 31-Aug-18
- OP-06O Southview Estates Drinking Water System Description, revision 7, 31-Aug-18
- OP-06P Victoria Place Drinking Water System Description, revision 6, 31-Aug-18
- OP-06Q Western Trent/Palmina Drinking Water System, revision 6, 31-Oct-2016
- OP-06R Woodfield Drinking Water System Description, revision 5, 31-Aug-18
- OP-06S Woods of Manilla Drinking Water System Description, revision 8, 31-Aug-18
- OP-06T Woodville Drinking Water System Description, revision 6, 31-Aug-18

**** **Comment** – typo in numbering in header of system description OP-06Q

DWQMS Reference	7 Risk Assessment
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-07 Risk Assessment, rev. 9, 31-Aug-18
Details: Procedure OP-07 Risk Assessment reviewed and accepted.	

DWQMS Reference:	8 Risk Assessment Outcomes
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-07 Risk Assessment, rev. 9, 31-Aug-18 City of Kawartha Lakes Multi Facility Operational Plan OP-08 Risk Assessment Outcomes, rev. 0, 31-Aug-18
<p>Details: Risk Assessment Outcomes adequately describes all risk, hazards, hazardous events and critical control limits for the Drinking Water System and covers all required risks as described in the MOECC document “Potential Hazardous Events for Municipal Residential Drinking Water Systems”. Risk assessment outcomes are current as of March 2018 when a new 36-month assessment was performed, along with subsequent minor updates. Reviewed and accepted.</p> <ul style="list-style-type: none"> • OP-08A Birchpoint Estates Summary of Risk Assessment Outcomes, revision 5, 31-Aug-18 • OP-08B Bobcaygeon Summary of Risk Assessment Outcomes, revision 11, 31-Aug-18 • OP-08C Canadiana Shores Summary of Risk Assessment Outcomes, revision 10, 31-Aug-18 • OP-08D Fenelon Falls Summary of Risk Assessment Outcomes, revision 9, 31-Aug-18 • OP-08E Janetville Summary of Risk Assessment Outcomes, revision 7, 31-Aug-18 • OP-08F Kings Bay Summary of Risk Assessment Outcomes, revision 9, 31-Aug-18 • OP-08G Kinmount Summary of Risk Assessment Outcomes, revision 10, 31-Aug-18 • OP-08H Manorview Summary of Risk Assessment Outcomes, revision 9, 31-Aug-18 • OP-08I Mariposa Estates Summary of Risk Assessment Outcomes, revision 9, 31-Aug-18 • OP-08J Norland Summary of Risk Assessment Outcomes, revision 9, 31-Aug-18 • OP-08K Omemee Summary of Risk Assessment Outcomes, revision 8, 31-Aug-18 • OP-08L Pinewood Summary of Risk Assessment Outcomes, revision 8, 31-Aug-18 • OP-08M Pleasant Point Summary of Risk Assessment Outcomes, revision 9, 31-Aug-18 • OP-08N Sonya Summary of Risk Assessment Outcomes, revision 5, 31-Aug-18 	

Audit Report

- OP-08O Southview Estates Summary of Risk Assessment Outcomes, revision 8, 31-Aug-18
- OP-08P Victoria Place Summary of Risk Assessment Outcomes, revision 8, 31-Aug-18
- OP-08Q Western Trent/Palmina Summary of Risk Assessment Outcomes, revision 5, 31-Oct-2016
- OP-08R Woodfield Summary of Risk Assessment Outcomes, revision 6, 31-Aug-18
- OP-08S Woods of Manilla Summary of Risk Assessment Outcomes, revision 8, 31-Aug-18
- OP-08T Woodville Summary of Risk Assessment Outcomes, revision 9, 31-Aug-18

Full Risk Assessments performed for all systems in 2018. Risk Assessment information is also reviewed for currency every calendar year during Management Review. Reviewed and accepted.

DWQMS Reference:	9 Organizational Structure, Roles, Responsibility and Authorities
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-09 Organizational Structure, Roles, Responsibility and Authorities, rev. 1, 27-Mar-19
Details: Organizational Structure, Roles, Responsibility and Authorities reviewed are adequately described in the Operational Plan. Reviewed and accepted.	

DWQMS Reference:	10 Competencies
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-10 Competencies, rev. 1, 27-Mar-19
Details: Competencies by position for all personnel reviewed and are adequately described in the Operational Plan. Process in place for initial and ongoing training for personnel performing duties affecting drinking water quality. Reviewed and accepted.	

DWQMS Reference:	11 Personnel Coverage
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-11 Personnel Coverage, rev. 11, 31-Aug-18
Details: Procedure OP-11 reviewed and accepted.	

DWQMS Reference:	12 Communications
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-12 Communications, rev. 5, 31-Aug-18
Details: Procedure OP-12 reviewed and accepted. Examples of Communications with suppliers included communication and an overview of the QMS for supplier Alliance Wireless Communications.	

DWQMS Reference:	13 Essential Supplies and Services
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-13 Essential Supplies and Services, rev. 7, 31-Aug-18
Details: Procedure OP-13 Essential Supplies and Services describes the requirements for contractors, water testing services, calibration services, chemical supplies and process components and the controls placed on these companies. Essential Supplies and Services List, October 23, 2018 contains a list of all companies. Reviewed and accepted.	

DWQMS Reference:	14 Review and Provision of Infrastructure
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-14 Review and Provision of Infrastructure, rev. 4, 31-Aug-18
Details: Procedure OP-14 reviewed and accepted. Risk assessment outcomes are taken into account as per procedure. A rolling 5 year forecast (2019-2023) of infrastructure requirements is maintained and discussed with the Owner. Items are highlighted as related to risk assessment (e.g. elevated THM reduction upgrades in Fenelon Falls, connection of 3 rd well in Omemee).	

DWQMS Reference:	15 Infrastructure Maintenance, Rehabilitation and Renewal
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-15 Infrastructure Maintenance, Rehabilitation and Renewal, rev. 0, 31-Aug-18
Details: Operational Plan includes a process for maintenance of Infrastructure and includes a requirement to review with the System Owner. Reviewed and accepted. Rolling 5 year capital plan for 2019-2023 reviewed.	

DWQMS Reference:	16 Sampling, Testing and Monitoring
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-16 Sampling, Testing and Monitoring, rev. 7, 31-Aug-18
Details: Procedure OP-16 reviewed and accepted.	

DWQMS Reference:	17 Measurement and Recording Equipment Calibration and Maintenance
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-16 Measurement and Recording Equipment Calibration and Maintenance, rev. 3, 31-Aug-18
Details: Procedure OP-17 reviewed and accepted.	

DWQMS Reference:	18 Emergency Management
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-18 Emergency Management, rev. 6, 31-Aug-18
Details: General requirements are described in procedure OP-18 and the OCWA Emergency Response Plan. Reviewed and accepted.	

DWQMS Reference:	19 Internal Audits
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-19 Internal QEMS Audits, rev. 5, 27-Mar-19
Details: Procedure OP-19 reviewed and accepted. Internal Audits are performed at least once every calendar year. Most recent internal audit for City of Kawartha Lakes Systems performed Nov 21-Dec 4, 2018 to V2.0 of the DWQMS. No non-conformances and 6 Opportunities for Improvement were identified. OFIs are managed for follow-up during Management Review.	

Audit Report

DWQMS Reference:	20 Management Review
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-20 Management Review, rev. 5, 31-Aug-18
Details: Procedure OP-20 captures all PLAN requirements from section 20 of the DWQMS. Management Reviews are conducted a minimum of once every calendar year. Reviewed and accepted. Most recent Management Review Meeting performed December 6, 2018. Action items are summarized in the Management Review Implementation Action Plan, items are assigned responsibilities and projected completion dates. Action Plan is updated as items are completed.	

DWQMS Reference:	21 Continual Improvement
Client Reference:	City of Kawartha Lakes Multi Facility Operational Plan OP-21 Continual Improvement, rev. 0, 31-Aug-18
Details: Procedure OP-21 reviewed and accepted. Corrective Actions, Preventive Actions and Best Management Practices are recorded on the Summary Table of Action Items and investigated for root cause, corrective action plan and verification of effectiveness (e.g. new strategy for clearwell cleaning).	

Details regarding the personnel interviewed and objective evidence reviewed are maintained on file at SAI Global.

This report was prepared by:



Paul Carlidge
SAI Global Management Systems Auditor

The audit report is distributed as follows:

- SAI Global
- Operating Authority
- Owner
- MOECC

Notes

Copies of this report distributed outside the organization must include all pages.



Council Memorandum

Date: December 10th, 2019

To: Council

From: Mayor Letham

Re: Committee of Adjustment & Fenelon Cemetery Board Council Appointments

Recommendation

That the December 10th, 2019 memorandum from Mayor Letham regarding the **Committee of Adjustment & Fenelon Cemetery Board Council Appointments** be received;

That the appointments, for the Committee of Adjustment & the Fenelon Cemetery Board, commence on December 11th, 2019 and continue for one year until December 11th, 2020;

That Emmett Yeo continues the role of Council Representative on the Committee of Adjustment; and

That Doug Elmslie continues in the role of Council Representative on the Fenelon Cemetery Board.

Rationale

Members of Council are required to sit on various boards and committees throughout the term of Council. This memorandum addresses this requirement by appointing members of Council to the Committee of Adjustment and the Fenelon Cemetery Board; which, unlike other boards and agencies, have a term of only one year.

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Authorize Borrowing from Time to Time to Meet Current Expenditures During the Fiscal Year ending December 31, 2020 in the City of Kawartha Lakes

Recitals

1. The Municipal Act provides authority for a Council by by-law to authorize the Head of Council and the Treasurer to borrow from time to time, by way of promissory note any sums as the Council considers necessary to meet, until taxes are collected and other revenues received, the current expenditures of the Corporation for the year.
2. The total amount which may be borrowed from all sources at any one time to meet the current expenditures of the Corporation, except with the approval of the Ontario Municipal Board, is limited by Section 407 of the Municipal Act, 2001.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

"City Clerk" means the person appointed by Council to carry out the duties of the clerk described in section 228 of the Municipal Act, 2001;

“Council” or “City Council” means the municipal council for the City;

“Current Year” means 2020.

“Treasurer” means the person who holds that position and his or her delegate(s) or, in the event of organizational changes, another person designated by Council.

1.02 Interpretation Rules:

(a) Wherever this By-law refers to a person or thing with reference to gender or the gender neutral, the intention is to read the By-law with the gender applicable to the circumstances.

(b) References to items in the plural include the singular, as applicable.

(c) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

- 1.03 **Statutes:** References to laws in this by-law are meant to refer to the statutes, as amended from time to time, that are applicable within the Province of Ontario.
- 1.04 **Severability:** If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

Section 2.00: Authorization

2.01 Authorization

The Head of Council and the Treasurer are authorized to borrow from time to time by way of promissory note during the Current Year, the sums necessary to meet, until the taxes are collected, the current expenditures of the City, and the other amounts that are set out in Subsection 407(1) of the Municipal Act, 2001

2.02 Lender

The lender from whom amounts may be borrowed under authority of this By-law shall be the Royal Bank of Canada and any other lenders as named from time to time by resolution of Council

2.03 Amount Borrowed

The total amount which may be borrowed at any one time under this By-law together with the total of any similar borrowings that have not been repaid, shall not exceed those limits established by the appropriate Provincial Ministries from time to time, and any borrowing limitations shall be temporarily calculated upon the estimated revenues of the City as set forth in the estimates adopted for the 2020 fiscal year until the estimates are adopted from the Current Year.

2.04 When Borrowing

The Treasurer shall, at the time when any amount is borrowed under this By-law, ensure that the lender is or has been furnished with a certified copy of this By-law a certified copy of the resolution mentioned in Section 2.02 determining the lender, if applicable, and a statement showing the nature and amount of the estimated revenues for the Current Year not yet collected and also showing the total of any other amounts borrowed from any and all sources under authority of Section 407 of the Municipal Act, 2001 that have not been repaid.

2.05 Where Estimates Not Yet Adopted

(a) If the estimates for the Current Year have not been adopted at the time an amount is borrowed under this By-law, the total borrowings, as set out in Section 2.03 of this By-law, shall be calculated for the time being upon the estimated revenues of the City as set forth in the estimates adopted for the next preceding year, less all revenues for and on account of the Current Year.

- (b) If the estimates for the Current Year have not been adopted at the time an amount is borrowed under this By-law, the statement furnished under Section 2.04 shall show the nature and amount of the estimated revenues of the City as set forth in the estimates adopted for the next preceding year and the nature and amount of the revenues received for and on account of the Current Year.

2.06 Security Interest

All or any sums borrowed under this By-law shall, with interest thereon, be a charge upon the whole of the revenue of the City for the Current Year and for any preceding years as and when those revenues are received, provided that the charge does not defeat or affect and is subject to any prior charge then subsisting in favour of any other lender.

2.07 Payment on Debt

The Treasurer is authorized and directed to apply in payment of all or any sums borrowed under this By-law, together with interest, all or any of the monies collected or received, either on account or, or realized in respect of, the taxes levied for the Current Year and preceding years or from any other source, which may lawfully be applied for those purposes.

2.08 Promissory Notes

Promissory notes made under Section 2.01 shall be sealed with the seal of the City and signed by the Head of Council and Treasurer.

Section 3.00: Administration and Effective Date

3.01 Administration of the By-law: The Treasurer is responsible for the administration of this by-law.

3.02 Effective Date: This By-law shall come into force on the January 1st, 2020.

By-law read a first, second and third time, and finally passed, this 10th day of December 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Amend By-law 2018-234, being a By-Law to Establish and Require Payment of Fees for Information, Services, Activities and Use of City Property in The City of Kawartha Lakes (known as the Consolidated Fees By-law)

Recitals

1. By-laws may be passed to establish and require the payment of fees for information, services, activities and use of City property.
2. Section 391 of the Municipal Act 2001, S.O. 2001, as amended, provides for a municipality to pass by-laws imposing fees or charges on persons for services and activities provided or done by or on behalf of it, for cost payable by it for services or activities provided or done by or on behalf of any other municipality or local board, and for the use of its property including property under its control.
3. Section 69(1) of the Planning Act R.S.O 1990, c.P.13, as amended, provides that a municipality may establish a tariff of fees for the processing of applications.
4. Section 7 of the Building Code Act, 1992, S.O. 1992, as amended, authorizes a municipal council to pass by-laws concerning the issuance of permits and related matters requiring the payment of fees on applications for and on the issuance of permits.
5. Section 398(2) of the *Municipal Act, 2001*, S.O. 2001, c. 25, as amended, authorizes a municipality to add fees and charges to the tax roll for the property and collect them in the same manner as municipal taxes.
6. This by-law consolidates all fees charged by the municipality into one by-law.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Definitions and Interpretation

1.01 Definitions:

All defined terms in the amending By-law take their meaning from By-law 2018-234 of the City of Kawartha Lakes.

1.02 Interpretation Rules:

- (a) The Schedules attached to this by-law form part of the by-law, and are enforceable as such.
- (b) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

1.03 Statutes:

References to laws in this by-law are meant to refer to the statutes, as amended from time to time, that are applicable within the Province of Ontario.

1.04 Severability:

If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

Section 2.00: Amendment Details

- 2.01 Amendment:** Schedules A to H to By-law 2018-234 are deleted in their entirety and replaced with Schedules A to H, attached to this by-law to implement the following: Schedules A to H to By-law 2018-234 are amended for fee changes effective January 1, 2020.

Section 3.00: Administration and Effective Date

- 3.01 Administration of the By-law:** The Director of the City Departments are responsible for administration of the respective department fees as approved in Schedules A to H to this by-law.
- 3.02 Effective Date:** This By-law shall come into force effective January 1, 2020.

By-law read a first, second and third time, and finally passed, this day of , 201 .

Andy Letham, Mayor

Cathie Ritchie, City Clerk

Index of Schedules

Schedule A - Administration

Schedule B - Business Licensing

Schedule C - Fire and Emergency Services

Schedule D - Parks, Recreation and Culture

Schedule E - Planning, Development and Engineering

Schedule F - Waste Management

Schedule G - Public Works

Schedule H — Transit



Consolidated Fees
Schedules_Fee Chanx

Schedule A – Administration						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
A - 1 Corporate						
Certified Documents - City of Kawartha Lakes documents	each request	plus photocopy fee	\$11.00		\$11.00	By-law 2003-046
Facsimile Received	page		\$1.25		\$1.25	By-law 2003-046
Facsimile Sent - Local	page		\$1.25		\$1.25	By-law 2003-046
Facsimile Sent - Long Distance	page		\$2.25		\$2.25	By-law 2003-046
Oath Administration	each request		\$11.00		\$11.00	By-law 2003-046
Oath Administration: Related to Pension Documents	each request		no charge		no charge	By-law 2003-046
Photocopies	page		\$0.50		\$0.50	By-law 2003-046
Photocopies - colour letter and legal size	page		\$0.75		\$0.75	By-law 2003-046
Photocopies - black and white 11 x 17	page		\$1.25		\$1.25	By-law 2003-046
Photocopies - colour 11 x 17	page		\$1.25		\$1.25	By-law 2003-046
Photocopies - black and white larger than 11 x 17	per linear foot		\$1.75		\$1.75	By-law 2003-046
Photocopies - colour larger than 11 x 17	per linear foot		\$2.00		\$2.00	By-law 2003-046
A - 2 Revenue & Taxation						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Account Adjustment Fee (Mortgage Company)	each		\$35.00		\$35.00	By-law 2003-046
Administration Fee - Loans added to Property Taxes - Drainage Ditches	each		\$165.00		\$165.00	120 FD 014
Administration Fee - Loans added to Property Taxes - Septic Rehabilitation Program	each		\$165.00		\$165.00	By-law 2014 115
Administration Fee - Loans added to Property Taxes - Work on Private Land (Water & Sewer Projects)	each		\$165.00		\$165.00	CORP 2016-015
Administration Fee - Tax Sales	each		\$357.00		\$360.00	By-law 2003-046
Credit Card Service Fee	each		as charged by provider		as charged by provider	By-law 2003-046
Duplicate Receipt	each		\$25.00		\$25.00	By-law 2003-046
Interest on Loan added to Taxes - Drainage Ditches, Septic Rehabilitation, Work on Private Land (Water & Sewer Projects)	each		2% above Infrastructure Ontario Lending Rate		2% above Infrastructure Ontario Lending Rate	Various
Large Account Fee	each		\$9.00		\$9.00	By-law 2003-046
Late Payment Charges - Miscellaneous Revenues (not compounded)	month		1.25%		1.25%	By-law 2003-046
Mortgage Company/Agenda Additions	each		\$12.00		\$15.00	By-law 2003-046
New Account Administration Fee	each		\$40.00		\$40.00	By-law 2003-046
Registered Mail	each		\$35.00		\$35.00	By-law 2003-046
Reminder Notices	each		\$23.00		\$25.00	By-law 2003-046
Reprint of Invoice	each		\$30.00		\$30.00	By-law 2003-046
Retrieval of Post Dated Cheque	each		\$40.00		\$40.00	By-law 2003-046
Returned Cheque Fee	each		\$40.00		\$40.00	By-law 2003-046
Site Visits - Tax Accounts	each		\$174.00		\$200.00	By-law 2003-046
Subsearch of Property Title	each	Plus costs	\$87.00		\$87.00	By-law 2003-046
Tax Arrears Extension Agreement	each		\$220.00		\$250.00	By-law 2003-046
Tax Payment Certificates	each		\$58.00		\$60.00	By-law 2003-046
Tax Searches	each		\$29.00		\$35.00	By-law 2003-046
Transfer of Electronic Payments	each		\$35.00		\$35.00	By-law 2003-046
A – 3 Water and Wastewater						

Schedule A – Administration						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Administration Fees						
Duplicate Bill (per copy)			\$30.00		\$30.00	By-Law 2018-039
Duplicate Receipt			\$30.00		\$30.00	By-Law 2018-039
Final Meter Readings			\$0.00		\$0.00	By-Law 2018-039
New Account Administration Fee			\$40.00		\$40.00	By-Law 2018-039
Registered Mail			\$35.00		\$35.00	By-Law 2018-039
Retrieval of Post Dated Cheque			\$40.00		\$40.00	By-Law 2018-039
Returned Cheque Fee			\$40.00		\$40.00	By-Law 2018-039
Special Meter Readings			\$112.00		\$112.00	By-Law 2018-039
Statement of Account Activity (per year)			\$42.00		\$42.00	By-Law 2018-039
Transfer Payment to Different Account (Customer Error)			\$35.00		\$35.00	By-Law 2018-039
Utility Payment Certificates	each		\$58.00		\$58.00	By-law 2003-046
Water Shut-off Charge (by request)			\$80.00		\$80.00	By-Law 2018-039
Water Turn on Charge (by request)			\$80.00		\$80.00	By-Law 2018-039
Replace/Repair of Damaged Equipment						
Broken Meter Replacement (including frozen service)			Based on meter size noted below		Based on meter size noted below	By-Law 2018-039
Meter Reading Receptacle Replacement			\$135.00		\$135.00	By-Law 2018-039
Radio Read External Unit			\$200.00		\$200.00	By-Law 2018-039
Radio Read Wire			\$50.00		\$50.00	By-Law 2018-039
Repair Damaged or Broken Hydrant			Time and Material		Time and Material	By-Law 2018-039
Protective Device (10.07)			Time and Material		Time and Material	By-Law 2018-039
Delinquent Accounts or Failure to Comply with By-Law						
Disconnection			\$160.00		\$160.00	By-Law 2018-039
Final Notice			\$23.00		\$25.00	By-Law 2018-039
Hand Delivery of Notices			5% of the overdue amount		5% of the overdue amount	By-Law 2018-039
Late Payment Charge			\$134.00		\$135.00	By-Law 2018-039
Reconnection (After Hours)			\$134.00		\$135.00	By-Law 2018-039
Reconnection (Regular Hours)			\$80.00		\$85.00	By-Law 2018-039
Transfer to Property Taxes for Collection			5% of amount transferred with \$50 minimum charge		5% of amount transferred with \$50 minimum charge	By-Law 2018-039
Unregistered water when order not complied with	Per Day		\$50.00		\$50.00	By-Law 2018-039
Fees Related to Construction, Demolition or New Construction						
Connection Fees						
Request for Information - Application Fee			\$100.00		\$102.00	By-Law 2018-039
Service Installation Inspection Fee			\$250.00		\$255.00	
Frontage Charges						
Water main (to a maximum of 16 metres)	Per Metre		\$200.00		\$200.00	By-Law 2018-039
Sewer main (to a maximum of 16 metres)	Per Metre		\$250.00		\$250.00	By-Law 2018-039
Water main for Commercial/Industrial (to a maximum of 30 metres)	Per Metre		\$200.00		\$200.00	By-Law 2018-039
Sewer main for Commercial/Industrial (to a maximum of 30 metres)	Per Metre		\$250.00		\$250.00	By-Law 2018-039
Demolition of a Building						

Schedule A – Administration						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Turn off of Service			\$80.00		\$80.00	By-Law 2018-039
Deposit for Disconnection of Water Service			\$200.00		\$200.00	By-Law 2018-039
Excavation						
Deposit for inspection by excavation			\$500.00		\$500.00	By-Law 2018-039
Excavation Costs			Time and Material		Time and Material	By-Law 2018-039
New Construction Water						
Per Residential Unit per 3 month period			\$175.00		\$175.00	By-Law 2018-039
Backflow Prevention Device			Time and Material		Time and Material	By-Law 2018-039
Commercial/Industrial			Shall be metered		Shall be metered	By-Law 2018-039
Sprinkler Service Connection			Time and Material		Time and Material	By-Law 2018-039
Water Meters						
Residential Meters: Supply and Install						
5/8" by 3/4"			\$320.00		\$320.00	By-Law 2018-039
3/4"			\$378.00		\$378.00	By-Law 2018-039
1"			\$415.00		\$415.00	By-Law 2018-039
Commercial Meters:						
3/4" - Supply and install			\$375.00		\$375.00	By-Law 2018-039
1" - Supply and Install			\$415.00		\$415.00	By-Law 2018-039
1 1/2" - Supply only			\$1,975.00		\$1,975.00	By-Law 2018-039
2" - Supply only			\$2,150.00		\$2,150.00	By-Law 2018-039
2.5" and above - Supply only			Price will be quoted at time of order		Price will be quoted at time of order	By-Law 2018-039
Meter Size Change Request			\$115.00		\$115.00	By-Law 2018-039
Meter Accuracy Test			\$225.00		\$225.00	By-Law 2018-039
Temporary Hydrant Meter			\$500.00		\$500.00	By-Law 2018-039
Additional Services						
Fire Flow Testing - operation of fire hydrants by staff			\$150.00		\$150.00 / 4 hours	By-Law 2018-039
Requested Additional Hydrant Installation						
Part of a Construction Project			Time and Material		Time and Material	By-Law 2018-039
Dig-in (if required)					Time and Material	By-Law 2018-039
Bulk Water Consumption	per cubic meter		Based upon Schedule "A" to By-Law 2018-039 Water and Sewer Rates		Based upon Schedule "A" to By-Law 2018-039 Water and Sewer Rates	By-Law 2018-039
Bulk Water Key			\$25.00		\$25.00	New
Replacement Bulk Water Key			\$25.00		\$25.00	New
Extra or Replacement Smart Vend Card			\$25.00		\$25.00	New
A – 4 Legal						
Applicants for development agreements shall, where a decision is made to use in-house legal counsel, pay the following fees for negotiating, drafting, creating, amending, and finalizing development agreements from a legal perspective, in addition to any fees payable pursuant to By-law 2001-59:						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Amendments to existing agreements, and finalization of all other Development Agreements	each	Plus costs	\$220.00		\$220.00	By-law 2003-046
Bonusing Agreements (Planning Act)	each	Plus costs	\$220.00		\$220.00	By-law 2003-046

Schedule A – Administration						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Front Ending Agreement (Re: Development Charges)	each	Plus costs	\$550.00		\$550.00	By-law 2003-046
Ontario Municipal Board Hearings: referenced in Section 12.2 of Bylaw 2001-59	per day or partial day	Plus costs	\$330.00		\$330.00	By-law 2003-046
Payment Arrangement Agreements (Re: Development Charges)	each	Plus costs	\$220.00		\$220.00	By-law 2003-046
Site Plan Agreement	each	Plus costs	\$380.00		\$380.00	By-law 2003-046
Subdivision Agreement	each	Plus costs	\$545.00		\$545.00	By-law 2003-046
Land Management Committee Application Fee (inquiries pertaining to ownership and/or maintenance of City land, requests to acquire/use City land)	each	Plus costs	\$125.00		\$125.00	By-law 2010-118
Encroachment Agreements						
Minor Encroachments (stairs, small portion of a building, sign, etc.)	Annual		\$125.00		\$125.00	New By-law 2018-017
Dock or Boathouse	Annual		\$150.00		\$150.00	New By-law 2018-017
Major Encroachments (shed, garage, etc.)	Annual		\$200.00		\$200.00	New By-law 2018-017
Co-location of equipment on City-owned tower/building	Annual		\$6,000.00		\$6,000.00	New By-law 2018-017
Tower	Annual		\$13,000.00		\$13,000.00	New By-law 2018-017
A – 5 Road Allowance Inquiries						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Maintenance	each		\$82.00		\$82.00	By-law 2015-131
Ownership	each		\$110.00		\$110.00	By-law 2015-131
Public Highway By-law	each	applicable legal fees/by-law registration costs	\$220.00		\$220.00	By-law 2015-131
Road Status (Open/Assumed Public Road)	each		\$82.00		\$82.00	By-law 2015-131
All of the Above	each	applicable legal fees/by-law registration costs	\$494.00		\$494.00	By-law 2015-131
Disbursements from third parties	each		Actual Cost		Actual Cost	By-law 2015-131
A – 6 Vital Statistics						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Death Registration	each		\$20.00		\$20.00	By-law 2003-046
Division Registrar's Statement	each		\$22.00		\$22.00	By-law 2003-046
Marriage Licence	each		\$135.00		\$135.00	By-law 2003-046
			Rate Effective April 1, 2019			
Civil Marriage Ceremony Rehearsal Fee (maximum 1 hour)	each				\$50.00	By-law 2019-031
Civil Marriage Ceremony at City Hall held during normal business hours	each		\$250.00		\$250.00	By-law 2019-031
Civil Marriage Ceremony at City Hall held outside normal business hours	each		\$300.00		\$300.00	By-law 2019-031

Schedule A – Administration						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Civil Marriage Ceremony held off-site	each	plus mileage at City rate	\$350.00		\$350.00	By-law 2019-031
A – 7 Advertising Devices						
Service Description	Unit	Additional Fees	Rate Effective March 1, 2019		Rate Effective January 1, 2020	Reference
Mobile Sign Permit						
One Year Permit	each		\$169.00		\$169.00	By-law 2009-076
Month to Month Mobile Sign Permit:						
Base fee (one month)	each		\$56.00		\$56.00	By-law 2009-076
Monthly fee beyond one month	month		\$22.00		\$22.00	By-law 2009-076
All Other Signs Requiring a Permit	each		\$107.00		\$107.00	By-law 2009-076
Additional Signs Requiring a Permit Included on Original Application	each		\$56.00		\$56.00	
Storage of Signs (maximum 10 days)	day		\$11.00		\$11.00	By-law 2009-076
Sign Removal/Redemption to owner (not including signs on hydro poles)	each		\$56.00		\$56.00	By-law 2009-076
Minor Deviation Fee	each		\$112.00		\$112.00	By-law 2009-076
A – 8 Highway, Facility, Municipal Facility and Park Naming						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Non-refundable Processing Fee: If the request is endorsed by Council, the processing fee will be used as a deposit against the actual costs	each		\$275.00		\$275.00	Policy 108 CCS 012
A – 9 Fence Viewers						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective April 23, 2019	Rate Effective January 1, 2020	Reference
Administration Fee	Flat Rate		\$110.00	\$250.00	\$255.00	By-law 2015-124
Administration Fee if Award Appealed	Flat Rate		\$100.00	\$100.00	\$102.00	By-law 2015-124
Administration Fee for any re-attendance of the Fence-Viewers	Flat Rate		\$100.00	\$100.00	\$102.00	By-law 2015-124
Costs based on Fence Viewing Award			Actual Costs	Actual Costs	Actual Costs	By-law 2015-124
A – 10 Clean and Clear						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Change in ownership occurrence cycle starts again						
Initial First Inspection	each		Free		Free	By-law 2014-026
Initial Final Inspection	each		Free		Free	By-law 2014-026
Second Offence Inspection	each		Free		Free	By-law 2014-026
Second Offence Final Inspection	each		\$112.00		\$114.00	By-law 2014-026
Third Offence Inspection	each		Free		Free	By-law 2014-026
Third Offence Final Inspection	each		\$225.00		\$228.00	By-law 2014-026
Fourth Offence Inspection	each		Free		Free	By-law 2014-026
Fourth Offence Final Inspection	each		\$450.00		\$458.00	By-law 2014-026
Fifth Offence Inspection	each		Free		Free	By-law 2014-026
Fifth Offence Final Inspection	each		\$898.00		\$913.00	By-law 2014-026
Subsequent offences	each		Fees double		Fees double	By-law 2014-026
Notice Letter/Compliance Letter					\$169.00	
Request to Amend Notice (time period)					\$84.00	

Schedule A – Administration						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Monitoring of property clean-up (officer's time)	hour		\$41.00		\$41.00	
A – 11 Property Standards						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
First Inspection	each		Free		Free	MLE 2016-003
2nd / Follow-up Inspection	each		Free		Free	MLE 2016-003
Compliance Inspection (final)	each		Free		Free	MLE 2016-003
Additional Recheck or Requested Inspection (any inspection that occurs after the Compliance Inspection)	each		\$112.00		\$112.00	MLE 2016-003
Letter Order / File	each		\$169.00		\$169.00	MLE 2016-003
Duplicate (Letter/Order)	each		\$84.00		\$84.00	MLE 2016-003
Registration/Removal of Order to Title / Deed	each		\$225.00		\$225.00	MLE 2016-003
Property Standards Committee Appeal	each		\$95.00		\$95.00	MLE 2016-003
Derelict / Vacant Building Registry - Entry into Registry	each		Free		Free	MLE 2016-003
Maintenance of Entry in Registry	annual		\$169.00		\$172.00	MLE 2016-003
Removal from Registry (Exit)	each		\$169.00		\$172.00	MLE 2016-003
Property Standards Officer to attend Landlord Tenant Board Hearing (give evidence)	each		\$140.00		\$140.00	MLE 2016-003
City undertakes to complete the work required to comply with final order	hour	10% of overall cost	\$41.00		\$41.00	MLE 2016-003
Processing of Property Standards Invoice for tax collection	each		\$29.00		\$29.00	MLE 2016-003
A – 12 General Inspections (all Regulatory By-law Inspections not including Property Standards and Clean and Clear)						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
First Occurrence Inspection	each		Free		Free	
Second Occurrence Inspection	each		\$112.00		\$112.00	amending bylaw 2018-
Third Occurrence Inspection	each		\$225.00		\$225.00	amending bylaw 2018-
Fourth Occurrence Inspection	each		\$445.00		\$445.00	amending bylaw 2018-
Fifth Occurrence Inspection	each		\$894.00		\$894.00	amending bylaw 2018-
Subsequent offences	each		Fees double		Fees double	amending bylaw 2018-
Order/Notice	each				\$110.00	amending bylaw 2018-
Certificate of Compliance (Includes Discharge from title / deed)	each		\$225.00		\$225.00	amending bylaw 2018-
2018-191 effective September 25, 2018						
A – 12 Noise						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Noise Exemption Application	each				\$75.00	By-law 2019-124
A – 12 Fortification						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Partial or Complete Exemption Application	each				\$75.00	By-law 2013-043
Appeal Fee	each				\$95.00	By-law 2013-043
Order - Letter	each				\$110.00	By-law 2013-043

Schedule A – Administration						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
A – 12 Grade Alteration						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
General Permit - Small fill operation	each				\$600.00	By-law 2019-105
General Permit - Large fill operation	each				\$1000.00 - plus \$1.00 per cubic metre	By-law 2019-105
but impact the City infrastructure)	each				\$600.00	By-law 2019-105
but impact the City infrastructure)	each				\$1,000.00	By-law 2019-105
Permit - Renewal	each				50% of the original permit fee	By-law 2019-105
Permit - Transfer	each				\$110.00	By-law 2019-105
Mud or Dust control (measures undertaken by city employee or third party)	each				30% plus all associated costs	By-law 2019-105
Order - Letter	each				\$169.00	By-law 2019-105
Administration fee	each				\$110.00	By-law 2019-105
A – 12 Parking Permits/Sign Fees						
Parking Permit to extend on street parking past 12 hrs. (Not available from November 30th of one year and April 1st of the next year.)						
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019		Rate Effective January 1, 2020	Reference
Contractor (on street parking past 2hrs)	each		\$11.00		\$11.00	
Daily Permits (municipal lots in Lindsay)	each		\$3.00		\$3.00	
Weekly Permits (municipal lots in Lindsay)	each		\$15.00		\$15.00	
Monthly Permits (municipal lots in Lindsay)	each		\$51.00		\$51.00	
Annual Permits (municipal lots in Lindsay)	each		\$562.00		\$562.00	
Sign Installation	each				Associated costs	
2018-023 amended A-4, effective March 6, 2018						

Schedule B – Business Licensing					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
B – 1 Taxi License Fare Rates					
General Licensing					
Business Licence Fee	each		\$327.00	\$332.00	By-law 2016-110
Vehicle Licence Fee	each		\$82.00	\$83.00	By-law 2016-110
Plate Reassignment Fee	each		\$28.00	\$28.00	By-law 2016-160
Taxi Driver's Licence Fee	each		\$54.00	\$55.00	By-law 2016-110
Tariff Cards	each		\$3.00	\$3.00	By-law 2016-110
Replacement Licenses and Taxi Plates	Each		\$16.00	\$16.00	By-law 2016-110
Meter Calibration	per meter		\$28.00	\$28.00	By-law 2016-110
2018-023 amended B-1, deleted B-2 effective March 6, 2018					
B – 3 Licensing Fees					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Transient Traders					
Annual Transient Trader Licence Fee per year or part year	each		\$327.00	\$305.00	By-law 2016-120
Special Community Event 1-5 Transient Trader	each		\$136.00	\$25.00	By-law 2016-120
Special Community Event 5 or more Transient Trader	each		\$108.00	\$25.00 for the first 5 vendors, \$15.00 for each additional vendor	By-law 2016-120
Door-to-Door Sales Transient Trader	each		\$16.00	\$509.00	By-law 2016-120
Licence Replacement				\$16.00	By-law 2016-120
Special Events					
Special Event Permit	each		\$271.00	\$276.00	By-law 2013-197
License Replacement	each		\$16.00	\$16.00	By-law 2013-197
Seasonal Trailer Parks					
License Fee per year or part year	each		\$239.00	\$243.00	By-law 2013-148
License Fee per year or part year	each		\$16.00	\$16.00	By-law 2013-148
Salvage Yards					
License Fee per year or part year	each		\$545.00	\$554.00	By-law 2013-195
License Replacement	each		\$16.00	\$16.00	By-law 2013-195
Refreshment Vehicles					
First Location					
Refreshment Vehicle – Class 1	per year or part year	Fire Prevention Inspection Fee	\$353.00	\$359.00	By-law 2013-195
Refreshment Vehicle - Class 2	per year or part year	Fire Prevention Inspection Fee	\$353.00	\$359.00	By-law 2013-195
Refreshment Vehicle – Class 3	per year or part year	Fire Prevention Inspection Fee	\$353.00	\$359.00	By-law 2013-195
Refreshment Vehicle – Temporary or Special Community Event (max. 7 consecutive days)	per event		\$174.00	\$177.00	By-law 2013-195

Schedule B – Business Licensing					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Refreshment Vehicle – Temporary – Non-Profit/Charitable Organization			No Charge	No Charge	By-law 2013-195
Refreshment Vehicle – where extension of current business operation on the same property			No Charge	No Charge	By-law 2013-195
Second Location					
Refreshment Vehicle – Class 1	per year or part year	Fire Prevention Inspection Fee	\$353.00	\$359.00	By-law 2013-195
Refreshment Vehicle - Class 2	per year or part year	Fire Prevention Inspection Fee	\$353.00	\$359.00	By-law 2013-195
Refreshment Vehicle – Class 3	per year or part year	Fire Prevention Inspection Fee	\$353.00	\$359.00	By-law 2013-195
Third, Plus Location					
Refreshment Vehicle – Class 1	per year or part year	Fire Prevention Inspection Fee	\$353.00	\$359.00	By-law 2013-195
Refreshment Vehicle - Class 2	per year or part year	Fire Prevention Inspection Fee	\$353.00	\$359.00	By-law 2013-195
Refreshment Vehicle – Class 3	per year or part year	Fire Prevention Inspection Fee	\$353.00	\$359.00	By-law 2013-195
Other Fees					
Transfer of License	per transfer		\$174.00	\$177.00	By-law 2013-195
License Replacement	each		\$16.00	\$16.00	By-law 2013-195
Motor Vehicle Racing and Facilities					
License Fee	per year or part year		\$1,221.00	\$1,241.00	By-law 2013-194
License Fee (Temporary)	per event		\$545.00	\$554.00	By-law 2013-194
License Replacement	each		\$16.00	\$16.00	By-law 2013-194
Kennels					
License (or renewal)	per year or part year		\$187.00	\$190.00	By-law 2014-141
License Replacement	each		\$16.00	\$16.00	By-law 2014-141
Adult Entertainment Book and Video Stores					
Adult videotape and/or book or magazine store owner/operator licence	per year or part year		\$4,793.00	\$4,874.00	By-law 2013-192
Adult videotape and/or book or magazine store licence	per year or part year		\$2,397.00	\$2,438.00	By-law 2013-192
Adult videotape and/or book or magazine store operator licence	per year or part year		\$2,397.00	\$2,438.00	By-law 2013-192
License Replacement	each		\$16.00	\$16.00	By-law 2013-192
Adult Entertainment Parlours					
Adult Entertainment Parlour Owner/Operator	per year or part year		\$4,793.00	\$4,874.00	By-law 2013-193
Adult Entertainment Parlour Owner's license	per year or part year		\$2,397.00	\$2,438.00	By-law 2013-193
Adult Entertainment Parlour Operator's license	per year or part year		\$2,397.00	\$2,438.00	By-law 2013-193

Schedule B – Business Licensing					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Adult Entertainment Parlour Performer's license	per year or part year		\$233.00	\$237.00	By-law 2013-193
License Replacement	each		\$16.00	\$16.00	By-law 2013-193
Liquor Licence Applications					
Liquor Sales Licence Application	each	Fire Prevention Inspection Fee, Building Inspection Fee	\$107.00	\$109.00	By-law 2016-206
Temporary Extension to Licensed Areas	each		\$54.00	\$55.00	By-law 2016-206
Special Occasion Permits	each		No Charge	No charge	By-law 2016-206
Lottery Licenses					
Lottery Licenses	each		3% of Prize Value	3% of Prize Value	
B – 4 Dog Tag and Regulation Fees					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Annual Fees (with current certification of rabies immunization)					
Altered Dog (proof of alteration)	each		\$27.00	\$27.00	By-law 2017-039
Unaltered Dog	each		\$32.00	\$32.00	By-law 2017-039
Special Services Dog	each		No charge	No charge	By-law 2017-039
Livestock Guardian Dog	each		No charge	No charge	By-law 2017-039
Lifetime Dog Tag					
Microchipped, Spayed or Neutered	each		\$60.00	\$60.00	By-law 2017-039
Microchipped, Unaltered	each		\$100.00	\$100.00	By-law 2017-039
Service Animal	each		\$0.00	\$0.00	By-law 2017-039
Replacement Tag	each		\$10.00	\$10.00	By-law 2017-039
Other Fees					
License Replacement	each		\$11.00	\$0.00	By-law 2017-039
Animal Control					
Daily Care – impounded dog	each				By-law 2017-039
Impoundment of dog wearing a current tag					
First Occurrence	each	Daily Care Fee	Free	Free	By-law 2017-039
First Occurrence if not picked up within 24 hours	each	Daily Care Fee	\$56.00	\$57.00	By-law 2017-039
Second Occurrence	each	Daily Care Fee	\$84.00	\$85.00	By-law 2017-039
Third or subsequent occurrence	each	Daily Care Fee	\$112.00	\$114.00	By-law 2017-039
Impoundment of a dog not wearing current tag					
First Occurrence	each	Daily Care Fee & Annual License Fee	\$56.00	\$57.00	By-law 2017-039
Second Occurrence	each	Daily Care Fee & Annual License Fee	\$84.00	\$85.00	By-law 2017-039
Third or subsequent occurrence	each	Daily Care Fee & Annual License Fee	\$112.00	\$114.00	By-law 2017-039
Order to Restrain Appeal	each		\$84.00	\$97.00	By-law 2017-039
Order to Restrain Registry (once per lifetime)	each		\$29.00	\$29.00	By-law 2017-039

Schedule B – Business Licensing					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Surrender Animal	each		\$112.00	\$114.00	By-law 2017-039
Veterinary Medical Care/Euthanasia	each		As established by Veterinary Clinic	As established by Veterinary Clinic	By-law 2017-039
Schedule C – Fire and Emergency Services					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Where fees are charged at an hourly rate, the calculation of time spent will include travel time to and from the inspection location.					
All Fire Service Fees and Charges subject to H.S.T. where applicable.					

Schedule C – Fire and Emergency Services					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
C – 1 Emergency Response Fees and Charges					
The at-fault party is responsible for paying for each hour that a Fire Vehicle is in attendance – 1st Hour Flat Rate	Vehicle (Maximum 3)	Situations of Extreme Need	as per current MTO rates per hour	as per current MTO rates per hour	By-law 2010-087
The at-fault party is responsible for paying for each hour that a Fire Vehicle is in attendance – Subsequent Hours	additional 1/2 hour - M	Situations of Extreme Need	as per current MTO rates per hour	as per current MTO rates per hour	By-law 2010-087
Firefighters in attendance and active part in resolution	each/hour or part		Actual Cost	Actual Cost	By-law 2010-087
City's expenses (if any)	each		Actual Cost	Actual Cost	By-law 2010-087
C – 2 Fire Services Fees and Charges					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Information					
Copy of Emergency Response Report within past 2 years	each		\$80.00	\$82.00	By-law 2010-151
Copy of Emergency Response Report over 2 years	each		\$90.00	\$92.00	By-law 2010-151
File Search	each		\$80.00	\$82.00	By-law 2010-151
Fire Regulation Compliance Letter	each		\$80.00	\$82.00	By-law 2010-151
Inspections					
Boarding/Lodging/Rooming House upon request	per hour		\$80.00	\$82.00	By-law 2010-151
Educational Institutions upon request	per hour		\$80.00	\$82.00	By-law 2010-151
Foster Care upon request	per hour		\$80.00	\$82.00	By-law 2010-151
Group Home upon request	per hour		\$80.00	\$82.00	By-law 2010-151
Institutional upon request	per hour		\$80.00	\$82.00	By-law 2010-151
Licensed Day Care upon request	per hour		\$80.00	\$82.00	By-law 2010-151
Private Home Day Care upon request	per hour		\$80.00	\$82.00	By-law 2010-151
Liquor Licensing upon request	per hour		\$80.00	\$82.00	By-law 2010-151
Liquor Licensing for Outdoor Patios - includes full inspection	per hour		\$80.00	\$82.00	By-law 2010-151
Non residential inspection - 1000m2 or less - upon request	per hour		\$80.00	\$82.00	By-law 2010-151
Non residential inspection - multiple unit occupancy - per tenant (strip mall)	per hour		\$80.00	\$82.00	By-law 2010-151
Residential inspection - upon request - (apartment complex,	per hour		\$80.00	\$82.00	By-law 2010-151
Two unit residential inspection - retrofit - upon request or complaint	per hour		\$80.00	\$82.00	By-law 2010-151
Re-inspection - follow up pertaining to an inspection	per hour		\$80.00	\$82.00	By-law 2010-151
Fire Safety					
Presentations/Training			No charge	No charge	By-law 2010-151
Inspection initiated by the Fire Department			No charge	No charge	By-law 2010-151
Fire Safety Plan Development (after 3rd read)	per hour		\$80.00	\$82.00	By-law 2010-151
Miscellaneous Inspections	per hour		\$80.00	\$82.00	By-law 2010-151
Fire Extinguishing Training Annual Commercial Accreditation	per hour		\$80.00	\$82.00	By-law 2010-151
Fire Route Applications	each		No charge	No charge	By-law 2010-151
Propane Licensing					
Propane Licensing Level 1<5000USWG	each		\$530.00	\$540.00	By-law 2016-206

Schedule C – Fire and Emergency Services					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Propane Licensing Level 2 > 5000USWG initial review	each		\$1,600.00	\$1,628.00	By-law 2016-206
Propane licensing Level 2 > 5000USWG follow-up meetings and review	per hour		\$80.00	\$82.00	By-law 2016-206
Annual renewal review Propane Licensing	per hour		\$80.00	\$82.00	By-law 2016-206
C – 3 Fireworks Fees and Charges					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Fireworks Permits					
Trailer Retail Seller - Consumer Fireworks	per year		\$1,100.00	\$1,119.00	By-law 2007-236
Non-Profit Organization - Display Fireworks Permit	event		No charge	No charge	By-law 2007-236
Non-Profit Organization - Consumer Fireworks Permit	event		No charge	No charge	By-law 2007-236
Local Vendor Retail Consumer Fireworks Seller Permit	per year		\$111.00	\$112.00	By-law 2007-236
Display Fireworks Permit	event		No charge	\$50.00	By-law 2007-236
Consumer Fireworks Permit	event		No charge	\$50.00	By-law 2007-236
C – 4 Burn Permit Fees					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Burn Permits					
Burn Permit	each		\$10.50	\$11.00	By-law 2016-110
Long Term Special Burn Permit	each		\$42.00	\$43.00	By-law 2016-110
Annual Burn Permit (up to 1 cubic metre)	each		\$53.00	\$54.00	By-law 2016-110
Special Permit	each		\$21.00	\$22.00	By-law 2016-110
Campground/Trailer Camp Permit	each		\$106.00	\$108.00	By-law 2016-110
Agricultural Permit	each		\$21.00	\$22.00	By-law 2016-110
Agricultural Special Burn Permit (Larger than 3 metres by 3 metres)	each		\$42.00	\$43.00	By-law 2016-110
Fire Department Charges for Callout			Schedule C-2	Schedule C-2	By-law 2016-110
C – 5 9-1-1 Signage					
Service Description	Unit	Additional Fees	Rate Effective March 1, 2019	Rate Effective January 1, 2020	Reference
Creation and Installation of 911 Signs					
Blade (Sign)	each		\$17.00	\$18.00	By-law 2008-133
Pole	each		\$56.00	\$57.00	By-law 2008-133
Blade and Pole Together (New or Replacement)	each		\$74.00	\$75.00	By-law 2008-133

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
D – 1 Aquatic Fees and Charges					
Lessons/Programs					
Pre-school and Swim 1-4 (30 minutes)	per class		\$6.90	\$6.90	
Swim 5-6 (45 minutes)	per class		\$7.50	\$7.50	
Swim 7-10 (60 minutes)	per class		\$8.00	\$8.00	
Beach Swim Program (daily)	1 wk		\$44.00	\$9.00	109 CCS 013
Beach Swim Program	day		\$10.00	\$10.00	109 CCS 013
Private Lesson (10-30 minutes) - Children	per class		\$19.85	\$19.85	
Semi Private Lessons (10-30 minutes) - Children	per class		\$11.45	\$11.45	
Bronze Star	course		\$93.00	\$94.58	109 CCS 013
Bronze Medallion	course		\$204.00	\$207.47	109 CCS 013
Bronze Cross	course		\$194.35	\$197.65	109 CCS 013
Bronze Cross College	course		\$226.35	\$230.20	109 CCS 013
Bronze Cross or Med recertification	each		\$64.05	\$65.14	109 CCS 013
NLS Course	course		\$254.00	\$258.32	109 CCS 013
NLS or RC Instructor recertification	each		\$76.75	\$78.06	109 CCS 013
Red Cross Instructor	each		\$325.00	\$330.53	109 CCS 013
Lifesaving Society Instructor	each		\$218.70	\$222.42	109 CCS 013
Red Cross Instructor Update	each		\$76.75	\$78.06	109 CCS 013
National Lifeguard Instructor			\$310.00	\$315.27	
Standard First Aid Course	course		\$120.00	\$122.04	109 CCS 013
Standard First Aid Course (City staff)	course		\$96.32	\$97.96	109 CCS 013
Stand First Aid recertification	each		\$73.23	\$74.48	109 CCS 013
Babysitting Course	course		\$65.00	\$65.00	
Aqua Fitness (60 minutes)	per class		\$5.93	\$5.93	109 CCS 013
	drop in		\$6.75	\$6.75	109 CCS 013
LRC - Therapy (45 minutes)	per class		\$4.70	\$4.70	
Forbert - Therapy (45 min)	per class		\$9.56	\$9.56	
Adult Swim Lessons (60Min)	per class		\$9.56	\$9.56	
Specialty youth programs (60min)	per class		\$8.89	\$9.04	
Public Swimming					
Child	each		\$2.55	\$2.60	109 CCS 013
Senior	each		\$4.35	\$4.40	109 CCS 013

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Adult	each		\$4.85	\$4.90	109 CCS 013
Family/Group	each		\$10.95	\$11.15	109 CCS 013
Miscellaneous					
Small Belts	each		\$43.64	\$44.40	109 CCS 013
Medium Belts	each		\$47.01	\$47.80	109 CCS 013
Large Belts	each		\$56.36	\$57.35	109 CCS 013
Red Cross Swim Badges	each		\$1.53	\$1.60	109 CCS 013
D – 2 Fitness Memberships					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Swim Membership - Forbert Memorial Pool					
Child	10 Pass		\$23.45	\$23.85	109 CCS 013
	Monthly		\$14.31	\$14.55	
	Ongoing Monthly		\$13.11	\$13.35	
	Year		\$143.08	\$145.50	109 CCS 013
Senior	10 Pass		\$40.01	\$40.70	109 CCS 013
	Monthly		\$17.17	\$17.45	New
	Ongoing Monthly		\$15.74	\$16.00	
	Year		\$171.70	\$174.65	109 CCS 013
Adult	10 Pass		\$44.61	\$45.40	109 CCS 013
	Monthly		\$23.00	\$23.40	New
	Ongoing Monthly		\$21.08	\$21.45	
	Year		\$229.95	\$233.90	109 CCS 013
Couple	Year		\$367.92	\$374.20	109 CCS 013
Family	10 Pass		\$100.72	\$102.45	109 CCS 013
	Ongoing Monthly		\$54.10	\$55.00	
	Year		\$590.21	\$600.00	109 CCS 013
Health Membership – Forbert Memorial Pool					
Senior	Single Use		\$8.28	\$8.45	109 CCS 013
	10 Pass		\$74.71	\$76.00	109 CCS 013
	Monthly		\$24.64	\$25.10	
	Ongoing Monthly		\$22.59	\$23.00	
	Year		\$246.20	\$251.00	109 CCS 013
	Single Use		\$10.37	\$10.55	109 CCS 013

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Adult	10 Pass		\$93.36	\$95.00	109 CCS 013
	Monthly		\$30.42	\$31.00	
	Ongoing Monthly		\$27.88	\$28.35	
	Year		\$304.20	\$309.50	109 CCS 013
Couple	Year		\$487.34	\$496.00	109 CCS 013
Family	Ongoing Monthly		\$65.96	\$67.10	
	Year		\$719.59	\$732.00	109 CCS 013
Fitness Membership – Forbert Memorial Pool					
Senior	Single Use		\$4.55	\$4.65	109 CCS 013
	10 Pass		\$41.14	\$41.85	109 CCS 013
	Monthly		\$11.12	\$11.30	
	Ongoing Monthly		\$10.20	\$10.40	
	Year		\$111.24	\$113.15	109 CCS 013
Adult	Single Use		\$5.21	\$5.30	109 CCS 013
	10 Pass		\$47.01	\$47.80	109 CCS 013
	Monthly		\$15.14	\$15.40	
	Ongoing Monthly		\$13.88	\$14.15	
	Year		\$149.37	\$152.00	109 CCS 013
Couple	Year		\$258.41	\$263.00	109 CCS 013
Swim Membership - Lindsay Recreation Complex					
Child	10 Pass		\$23.45	\$23.85	109 CCS 013
	1 Month		\$14.31	\$14.55	
	Ongoing Monthly		\$13.11	\$13.35	
	Year		\$143.08	\$145.50	109 CCS 013
Senior	10 Pass		\$40.01	\$40.70	109 CCS 013
	1 Month		\$17.17	\$17.45	New
	Ongoing Monthly		\$15.74	\$16.00	
	Year		\$171.70	\$174.65	109 CCS 013
Adult	10 Pass		\$44.61	\$45.40	109 CCS 013
	1 Month		\$23.00	\$23.40	New
	Ongoing Monthly		\$21.08	\$21.45	
	Year		\$229.95	\$233.90	109 CCS 013
Couple	Year		\$367.92	\$374.20	109 CCS 013

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Family	10 Pass		\$100.72	\$102.45	109 CCS 013
	Year		\$590.21	\$600.00	109 CCS 013
	Ongoing Monthly		\$54.10	\$55.00	
Health Membership – Lindsay Recreation Complex					
Senior	Single		\$8.33	\$8.45	New
	1 Month		\$28.11	\$28.60	New
	Ongoing Monthly		\$25.76	\$26.20	
	Year		\$281.05	\$285.85	109 CCS 013
Adult	Single		\$10.42	\$10.60	109 CCS 013
	1 Month		\$35.26	\$35.90	New
	Ongoing Monthly		\$32.33	\$32.90	
	Year		\$352.59	\$358.60	109 CCS 013
Couple	Year		\$566.60	\$576.25	109 CCS 013
Family	Ongoing Monthly		\$72.25	\$73.50	
	Year		\$802.68	\$816.40	109 CCS 013
Squash Membership – Lindsay Recreation Complex					
Child	1 Month		\$22.54	\$23.00	
	Ongoing Monthly		\$20.65	\$21.00	
	Year		\$225.35	\$229.20	
Senior	Single		\$6.49	\$6.60	109 CCS 013
	10 Pass		\$58.41	\$59.40	109 CCS 013
	1 Month		\$24.32	\$24.75	New
	Ongoing Monthly		\$22.30	\$22.70	
	Year		\$243.24	\$247.40	109 CCS 013
Adult	Single		\$8.07	\$8.20	109 CCS 013
	10 Pass		\$72.66	\$73.90	109 CCS 013
	1 Month		\$30.05	\$30.60	New
	Ongoing Monthly		\$27.54	\$28.00	
	Year		\$300.47	\$305.60	109 CCS 013
Couple	Year		\$527.66	\$536.65	109 CCS 013
Family	Year		\$779.07	\$792.30	109 CCS 013
Squash & Health Membership – Lindsay Recreation Complex					
	Single		\$12.11	\$12.35	109 CCS 013

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Senior	1 Month		\$38.78	\$39.45	109 CCS 013
	Ongoing Monthly		\$35.56	\$36.20	109 CCS 013
	Year		\$387.85	\$394.50	109 CCS 013
Adult	Single		\$13.69	\$13.95	109 CCS 013
	1 Month		\$47.93	\$48.75	New
	Ongoing Monthly		\$43.94	\$44.70	
	Year		\$479.32	\$487.50	109 CCS 013
Couple	Year		\$784.49	\$797.90	109 CCS 013
Family	Year		\$1,140.30	\$1,159.70	109 CCS 013
Locker Membership – Lindsay Recreation Complex					
Locker	3 Month		\$27.29	\$27.75	109 CCS 013
Locker	6 Month		\$43.64	\$44.40	109 CCS 013
Locker	Year		\$65.46	\$66.60	109 CCS 013
Corporate Memberships – Lindsay Recreation Complex					
Business Membership (outside Personal Trainers only)	each		\$590.21	\$600.24	109 CCS 013
Dual Facility Membership	each		\$436.14	\$443.55	109 CCS 013
Bronze Corporate Lump Sum	each		\$2,000.00	\$2,000.00	
Bronze Corpororate Individual Fee - Employee	year		\$176.50	\$176.50	
Silver Corporate Lump Sum	each		\$4,000.00	\$4,000.00	
Silver Corporate Individual Fee - Employee	year		\$143.60	\$143.60	
Gold Corpororate Lump Sum	each		\$6,000.00	\$6,000.00	
Gold Corpororate Individual Fee - Employee	year		\$133.25	\$133.25	
Corporate Single Upgrade	year		\$178.50	\$178.50	
Corporate Family Upgrade	year		\$267.50	\$267.50	
Personal Training					
Personal Training Session	Each		\$32.70	\$33.30	109 CCS 013
	10 Pass		\$294.39	\$300.00	109 CCS 013
Semi Private Training Session	Each		\$59.99	\$61.00	109 CCS 013
Program Refresher	Each		\$16.35	\$17.00	109 CCS 013
Miscellaneous Charges					
Fitness Program *base rate	Class		\$4.85	\$4.95	109 CCS 013
Fitness Class Pass	Day		\$7.31	\$7.45	109 CCS 013
Squash Racquet Rental (40 min)	Each		\$2.10	\$2.15	109 CCS 013

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Squash Ball	Each		\$4.70	\$4.80	109 CCS 013
Card Replacement	Each		\$25.96	\$30.00	109 CCS 013
Transfer/Cancellation/Medical Hold			15% charge -\$5 minimum	15% charge - \$ 5 minimum	109 CCS 013
D – 3 Recreation Programs					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
General					
Adult Recreational (8 hrs)	per hour		\$70.88	\$15.00	109 CCS 013
Badminton (drop in)	Each		\$3.93	\$4.00	109 CCS 013
Milk Run					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
5k Entry	Regular		\$37.25	\$35.00	109 CCS 013
	Day of		\$46.50	\$50.00	109 CCS 013
10k Entry	Regular		\$42.00	\$40.00	109 CCS 013
	Day of		\$46.50	\$50.00	109 CCS 013
21k Entry	Regular		\$70.00	\$70.00	109 CCS 013
	Day of		\$70.00	\$80.00	109 CCS 013
Children’s Camp					
Lindsay Camp	Daily		\$31.50	\$32.00	109 CCS 013
	Weekly		\$157.50	\$160.00	109 CCS 013
Camp Field Trip	Each		\$27.75	\$28.00	109 CCS 013
Sport & Skate	Weekly		\$194.25	\$197.50	109 CCS 013
Sport & Swing	Weekly		\$183.75	\$185.00	109 CCS 013
Sport & Swim	Weekly		\$157.50	\$160.00	109 CCS 013
Public Skating					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Public Skating – Entry	Adult		\$2.85	\$3.00	109 CCS 013
	Child		\$1.80	\$2.00	109 CCS 013
	Pre-school		Free	Free	109 CCS 013
	Senior		\$2.80	\$2.00	109 CCS 013
Shinny/Ticket Ice	Single		\$6.34	\$6.45	109 CCS 013
	10 pass		\$56.98	\$58.00	109 CCS 013
Stick & Puck (one adult/child)	Single		\$6.34	\$6.45	109 CCS 013

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
D – 4 Facility Rentals					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Arena					
Arena Floor Minor Hourly (maximum 4 hours)	per hour		\$69.85	\$71.10	109 CCS 013
Arena Floor Minor Daily (maximum 12 hours)	per day		\$634.25	\$645.00	109 CCS 013
Arena Floor Adult Hourly (maximum 4 hours)	per hour		\$83.85	\$85.30	109 CCS 013
Arena Floor Adult Daily (maximum 12 hours)	per day		\$1,014.75	\$1,032.00	109 CCS 013
Ice Rental Standard Hourly	per hour		\$152.07	\$154.70	109 CCS 013
Ice Rental Non-Prime Hourly (Open-5pm, 11pm -Close)	per hour		\$115.33	\$117.30	109 CCS 013
Ice Rental Minor Hourly	per hour		\$126.83	\$129.00	109 CCS 013
Ice Rental LRC Standard Hourly	per hour		\$189.99	\$193.20	109 CCS 013
Ice Rental LRC Non-Prime Hourly (Open-5pm, 11pm-Close)	per hour		\$115.33	\$117.30	109 CCS 013
Ice Rental LRC Minor Hourly	per hour		\$126.83	\$129.00	109 CCS 013
Ice Rental Standard Summer Hourly (April 1 – August 31)	per hour		\$202.66	\$206.10	109 CCS 013
Ice Rental Minor Summer Hourly (April 1 – August 31)	per hour		\$142.01	\$144.40	109 CCS 013
Athletic Field/Ball Diamond					
Class A Athletic Field Adult Game	2 hours		\$38.10	\$38.80	109 CCS 013
Class A Athletic Field Adult Tournament	Day		\$127.00	\$129.20	109 CCS 013
Class A Athletic Field Minor Game	2 hours		\$19.30	\$19.60	109 CCS 013
Class A Athletic Field Minor Tournament	Day		\$63.50	\$64.60	109 CCS 013
Class B Athletic Field Adult Game	2 hours		\$25.40	\$25.80	109 CCS 013
Class B Athletic Field Adult Tournament	Day		\$57.15	\$58.10	109 CCS 013
Class B Athletic Field Minor Game	2 hours		\$12.70	\$13.00	109 CCS 013
Class B Athletic Field Minor Tournament	Day		\$28.70	\$29.20	109 CCS 013
Class A Ball Diamond Adult Game	2 hours		\$44.45	\$45.20	109 CCS 013
Class A Ball Diamond Adult Tournament	Day/Diamond		\$127.00	\$129.20	109 CCS 013
Class A Ball Diamond Minor Game	2 hours		\$22.35	\$22.80	109 CCS 013
Class A Ball Diamond Minor Tournament	Day/Diamond		\$63.50	\$64.60	109 CCS 013
Class B Ball Diamond Adult Game	2 hours		\$31.75	\$32.30	109 CCS 013
Class B Ball Diamond Adult Tournament	Day/Diamond		\$95.25	\$96.90	109 CCS 013
Class B Ball Diamond Minor Game	2 hours		\$16.00	\$16.30	109 CCS 013
Class B Ball Diamond Minor Tournament	Day/Diamond		\$47.75	\$48.60	109 CCS 013
Class C Ball Diamond Adult Game	2 hours		\$19.30	\$19.60	109 CCS 013

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Class C Ball Diamond Adult Tournament	Day/Diamond		\$57.15	\$58.10	109 CCS 013
Class C Ball Diamond Minor Game	2 hours		\$9.65	\$9.80	109 CCS 013
Class C Ball Diamond Minor Tournament	Day/Diamond		\$28.70	\$29.20	109 CCS 013
Athletic Field/Ball Diamond Lights Game	2 hours		\$12.98	\$13.20	109 CCS 013
Park					
Park Vendor Monthly	per month		\$259.33	\$263.80	109 CCS 013
Boat Docking Daily	per day		\$27.59	\$30.00	109 CCS 013
Boat Launch Daily	day		\$8.94	\$10.00	
Boat Launch Commercial	annual		\$544.73	\$555.00	
Boat Launch Seasonal	annual		\$45.99	\$47.00	
Fishing Tournament Daily	day		\$259.33	\$263.80	
Overnight Rest Area Access	day		\$5.72	\$10.00	
Park - Special Events					
1-50 Attendees	per day		\$32.45	\$33.00	
51-150 Attendees	per day		\$97.35	\$99.00	
151-300 Attendees	per day		\$178.85	\$181.90	
301-1,000 Attendees	per day		\$262.40	\$266.90	
Over 1,001 Attendees	per day		\$387.34	\$394.00	
Park Activity Rental					
Park Hourly Rate (maximum 4 hours per day)	per hour		\$19.72	\$20.10	
Community Hall					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Class A Hourly (maximum 4 hours)	per hour		\$58.50	\$59.50	109 CCS 013
Class A Daily (maximum 12 hours)	per day		\$909.50	\$925.00	109 CCS 013
Class B Hourly (maximum 4 hours)	per hour		\$35.25	\$35.90	109 CCS 013
Class B Daily (maximum 12 hours)	per day		\$554.00	\$563.50	109 CCS 013
Class C Hourly (maximum 4 hours)	per hour		\$29.25	\$29.80	109 CCS 013
Class C Daily (maximum 12 hours)	per day		\$428.00	\$435.30	109 CCS 013
Class D Hourly (maximum 4 hours)	per hour		\$23.50	\$23.90	109 CCS 013
Class D Daily (maximum 12 hours)	per day		\$255.75	\$260.10	109 CCS 013
Class E Hourly (maximum 4 hours)	per hour		\$18.14	\$18.50	109 CCS 013
Class E Daily (maximum 12 hours)	per day		\$152.02	\$154.60	109 CCS 013
Victoria Park Washrooms Only			\$127.75	\$130.00	109 CCS 013

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Exterior Portable Sign Weekly	per week		\$127.75	\$130.00	109 CCS 013
Liability Insurance					
Events – Public with Alcohol (1-100 people)	Day		refer to provider	refer to provider	Rates set by provider
Events – Public with Alcohol (101-250 people)	Day		refer to provider	refer to provider	Rates set by provider
Events – Public with Alcohol (251-500 people)	Day		refer to provider	refer to provider	Rates set by provider
Events – Public with Alcohol (501-1000 people)	Day		refer to provider	refer to provider	Rates set by provider
Events – Private with Alcohol (1-25 people)	Day		refer to provider	refer to provider	Rates set by provider
Events – Private with Alcohol (26-100 people)	Day		refer to provider	refer to provider	Rates set by provider
Events – Private with Alcohol (101-250 people)	Day		refer to provider	refer to provider	Rates set by provider
Events – Private with Alcohol (251-400 people)	day		refer to provider	refer to provider	Rates set by provider
Storage Space					
Various Facilities	sq ft per year		\$3.12	\$3.20	109 CCS 013
Office Space					
Lindsay Recreation Complex	sq ft per month		\$7.05	\$7.20	109 CCS 013
Victoria Park Armoury	sq ft per month		\$4.19	\$4.30	109 CCS 013
Parking Lot					
Various Facilities	per space per year		\$149.50	\$152.00	
Indoor Pool					
LRC Large Pool	Hourly		\$103.84	\$105.60	109 CCS 013
LRC Large Pool Bulk Hourly	Hourly		\$83.09	\$84.50	109 CCS 013
LRC Therapeutic Pool	Hourly		\$77.88	\$79.20	109 CCS 013
LRC Therapeutic Pool Bulk Rate Hourly	Hourly		\$62.34	\$63.40	109 CCS 013
LRC Half Pool			\$51.92	\$52.80	109 CCS 013
Forbert	Hourly		\$103.84	\$105.60	109 CCS 013
Forbert Bulk Rate	Hourly		\$83.09	\$84.25	109 CCS 013
Lifeguard	Hourly		\$32.00	\$32.55	109 CCS 013
Miscellaneous					
Holiday Premium (minimum three hour rental - ice booking can be combination of multiple bookings)			50%	50%	109 CCS 013
Not-For-Profit Discount (based on daily rental at community hall for community event)			40%	40%	109 CCS 013
Refund/Cancellation Fee (minimum \$5 or 15 percent)		\$5 minimum	15%	15%	109 CCS 013
Non Resident Premium			25%	25%	New

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
D – 5 Centennial Trailer Park					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Centennial Park South West	Annual		\$2,174.00	\$2,174.00	109 CCS 013
Centennial Park East	Annual		\$2,350.25	\$2,350.25	109 CCS 013
Centennial Park North West	Annual		\$2,585.00	\$2,585.00	109 CCS 013
Centennial Park Daily Pass Individual	Day		\$4.50	\$4.50	109 CCS 013
Centennial Park Guest Pass	Annual			\$350.00	
Centennial Park Secondary Parking Pass	Annual			\$150.00	
Boat Docking Seasonal	per foot			\$23.00	
Hydro Service Charge	Annual		Based on usage	Based on usage	109 CCS 013
Replacement Access Card			\$27.34	\$30.00	109 CCS 013
Laundry	per use		\$2.25	\$2.00 Machine only accept loonies	109 CCS 013
D – 6 Parks, Recreation and Culture – Advertising					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Community Guide Ads					
Half Banner	each		\$211.35	\$215.00	109 CCS 013
Banner	each		\$314.20	\$320.00	109 CCS 013
Half Page	each		\$422.40	\$430.00	109 CCS 013
Full Page	each		\$660.65	\$672.00	109 CCS 013
Inside Front Cover	each		\$823.00	\$837.00	109 CCS 013
Inside Back Cover	each		\$823.00	\$837.00	109 CCS 013
Back Cover	each		\$1,429.55	\$1,454.00	109 CCS 013
Multiple Publication Commitment (Discount)	each		15%	15%	109 CCS 013
Sponsorship and Dedication					
Plant a Tree	each		1,106.62	\$1,125.00	109 CCS 013
Dedicate a Park Bench	each		1,853.75	\$1,885.00	109 CCS 013
Facility Ads					
Rink Boards	year		\$363.00	\$370.00	109 CCS 013
Arena Wall	year		\$243.85	\$248.00	109 CCS 013
Ice Surface (per season)	year		\$1,207.55	\$1,228.00	109 CCS 013
Olympia	year		\$482.10	\$490.00	109 CCS 013
Lindsay Rink Board	year		\$606.55	\$617.00	109 CCS 013

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Lindsay Wall Ad	year		\$487.45	\$496.00	109 CCS 013
Board Glass	year		\$303.30	\$308.50	109 CCS 013
FF Mezzanine	year		\$303.30	\$308.50	109 CCS 013
FF Stair Risers	year		\$363.00	\$370.00	109 CCS 013
FF Accessible Viewing Area Risers	year		\$303.30	\$308.50	109 CCS 013
Ball Diamonds (per year, minimum of 3 years)	year		\$121.45	\$124.00	109 CCS 013
D – 7 Cemeteries					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Single Lot	each	40% Care and Maintenance for in-ground lots	\$1,120.00	\$1,140.00	
Cremation Lot (flat marker only)	each		\$710.00	\$722.00	
Two Urn Niche 12” x 12” x 12”	each	15% Care and Maintenance	\$1,780.00	\$1,810.00	
Two Urn Niche 14” x 14” x 14”	each	15% Care and Maintenance	\$1,810.00	\$1,840.00	
Common Scattering	each	\$25.00 Care and Maintenance	\$50.00	\$50.00	
Private Scattering Right	each	\$104.00 Care and Maintenance	\$260.00	\$260.00	
Open & Close Adult/Child Weekday (before 3 p.m.)	each		\$750.00	\$763.00	
Open & Close Adult/Child Saturday (before 12:00 Noon)	each		\$1,100.00	\$1,120.00	
Open & Close Cremated Remains Weekday (before 3 p.m.)	each		\$320.00	\$325.00	
Open & Close Cremated Remains Saturday (before 3 p.m.)	each		\$440.00	\$447.00	
Each Additional Urn or Cremated Remains	each		\$25.00	\$25.00	
Double Depth	each		\$860.00	\$875.00	
Late Funeral Charge (after 3:00 p.m. arrival)	each		\$170.00	\$170.00	
Dis-interment Charges	each		\$1,780.00	\$1,810.00	
Dis-interment Urn	each		\$50.00	\$50.00	
Winter Interment Adult/Child (Additional)	each		\$580.00	\$590.00	
Winter Interment Infant (Additional)	each		\$170.00	\$173.00	

Schedule D – Parks, Recreation and Culture					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Columbarium Bronze Plaque	each		\$530.00	\$540.00	
Columbarium 2nd Urn Opening	each		\$170.00	\$173.00	
Columbarium Additional Date Tab for Plaque	each		\$170.00	\$173.00	
Columbarium Saturday Charges Additional	each		\$170.00	\$173.00	
Engrave Niche Standard Inscription	each		\$500.00	\$508.00	
Engrave Niche Additional Date	each		\$200.00	\$203.00	
Foundations For Monument	per cubic foot		\$35.00	\$36.00	
Corner Posts	set of four		\$230.00	\$235.00	
Setting Corner Posts	each		\$60.00	\$60.00	
Setting Flat Marker (larger than 173 sq. inches)	each		\$170.00	\$173.00	
Setting Flat Marker (smaller than 173 sq. inches (footstone))	each		No Charge	No Charge	
Staking for Flat Marker (monument dealer installation)	each		\$60.00	\$50.00	
Care and Maintenance Marker (less than 173 sq. inches)	each		No Charge	No Charge	
Care and Maintenance Marker (more than 173 sq. inches)	each		\$50.00	\$50.00	Legislated amount - FBCSA
Care and Maintenance Upright Monument (equal to or less than 4'0" in width or height)	each		\$100.00	\$100.00	Legislated amount - FBCSA
Care and Maintenance Upright Monument (greater than 4'0" in width or height)	each		\$200.00	\$200.00	Legislated amount - FBCSA
Use of Greens and Lowering Device	each		\$300.00	\$305.00	
Winter Storage in Vault	each		\$250.00	\$254.00	
Transfer of Interment or Scattering Rights	each		\$120.00	\$122.00	
Duplicate Interment Rights Certificate	each		\$30.00	\$30.00	
Administration of Resale of Rights	each		\$170.00	\$173.00	

Schedule E – Planning, Development and Engineering					
Note: Legal and other administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective March 1, 2019	Rate Effective January 1, 2020	Reference
E – 1 Planning Fees					
Administration					
Planning Department Fees waived if the application is initiated by the City or is for an organization that the City is involved with.	each	None			
Zoning Compliance Letter	each	None	\$112.00	\$114.00	By-law 2013-006
Site Plan Compliance Letter	each	None	\$112.00	\$114.00	By-law 2013-006
Clearance to fulfill Oak Ridges Moraine	each	None	\$511.00	\$520.00	New
Applicant Requested Deferral for any Application	each	None	\$337.00	\$343.00	
Written Responses to Property Inquiries	each	None	\$112.00	\$114.00	By-law 2013-006
GIS Mapping Requests (CKL Mapping only up to 11x17 paper size)	each	None	\$31.00 plus \$10 per additional map	\$32.00 plus \$10 per additional map	New
Copying of Maps and Drawings	Per map or drawing	None	\$20.00	\$20.00	New
Photocopying or Scanning of Documents	Per page (each side for double sided)	None	\$0.50	\$0.50	New
Information Requests for Closed Planning Act Application Files	Per File	Photocopying charges	\$307.00	\$312.00	New
File Status Update Letter for any type of application	each	None	\$562.00	\$572.00	By-law 2013-006
Pre-consultation Application	each	None	\$220.00	\$225.00	By-law 2013-006
Peer Review of all Specialized Reports or Studies	each	\$2,400.00 deposit required	actual costs	Actual Costs	By-law 2013-006
Pre-screening Application to Open a Road Allowance	each	None	\$204.00	\$225.00	NEW
OMB Appeal Processing Fee					
OMB Participation Costs	each	\$2,400.00 deposit required	actual costs	Actual Costs	By-law 2013-006
Legal Expenses (not identified through applications)	each	Applicant responsible for 100% of City's legal fees	actual costs	Actual Costs	By-law 2013-006
Official Plan Amendment					
Advertising Fee	each		\$450.00	\$458.00	By-law 2013-006
Official Plan Amendment- Minor	each	Advertising Fee	\$3,924.00	\$3,991.00	By-law 2013-006
Official Plan Amendment -Major Applications for commercial development greater than 2,500 sq. m.; deletion or addition to the designated road network; tourist commercial development; an application that has broader policy implications for the City as deemed by the Director of Development Services	each	Advertising Fee	\$5,611.00	\$5,706.00	By-law 2013-006
Pit or Quarry where proposed annual tonnage is less than 100,000 tonnes	each	Advertising Fee	\$4,497.00	\$4,573.00	By-law 2013-006
Pit or Quarry where proposed annual tonnage is between 100,000-500,000 tonnes	each	Advertising Fee	\$6,735.00	\$6,849.00	By-law 2013-006
Pit or Quarry where proposed tonnage is between 500,000-1,000,000 tonnes	each	Advertising Fee	\$12,351.00	\$12,561.00	By-law 2013-006
Pit or Quarry where proposed annual tonnage is over 1,000,000 tonnes	each	Advertising Fee	\$17,967.00	\$18,272.00	By-law 2013-006
Application Revision	each	Advertising Fee	\$1,124.00	\$1,143.00	By-law 2013-006
Zoning By-Law Amendment – Minor					
Advertising Fee	each		\$450.00	\$458.00	By-law 2013-006
Rezoning Application where required as a condition of consent	each	Advertising Fee	\$1,124.00	\$1,143.00	New
Rezoning Application base fee plus the applicable fees that follow below:	each	Advertising Fee	\$2,248.00	\$2,286.00	By-law 2013-006
a) set fee per residential lot, block, and/or dwelling unit to a maximum fee of \$10,000.00; and/or,	each	None	\$26.00	\$26.00	By-law 2013-006
b) set fee per 100 sq. m. or part thereof of proposed commercial gross floor area; and/or,	each	None	\$77.00	\$78.00	By-law 2013-006
c) set fee per 100 sq. m. or part thereof of proposed industrial gross floor area	each	None	\$31.00	\$78.00	By-law 2013-006
d) set fee per 100 sq. m. or part thereof of proposed institutional gross floor area	each	None	\$31.00	\$32.00	By-law 2013-006
Zoning By-Law Amendment – Major					
Application is associated with an official plan amendment application; a draft plan of subdivision or condominium; involves multiple properties; has background technical studies to be reviewed; and/or has zoning implications throughout the City					
Advertising Fee	each		\$450.00	\$458.00	By-law 2013-006
Rezoning Application base fee plus the applicable fees that follow below:	each	Advertising Fee	\$3,373.00	\$3,430.00	
a) set fee per residential lot, block, and/or dwelling unit to a maximum fee of \$10,000.00; and/or,	each	None	\$26.00	\$26.00	
b) set fee per 100 sq. m. or part thereof of proposed commercial gross floor area; and/or,	each	None	\$77.00	\$78.00	
c) set fee per 100 sq. m. or part thereof of proposed industrial gross floor area	each	None	\$31.00	\$32.00	
d) set fee per 100 sq. m. or part thereof of proposed institutional gross floor area	each	None	\$31.00	\$32.00	

Schedule E – Planning, Development and Engineering					
Note: Legal and other administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective March 1, 2019	Rate Effective January 1, 2020	Reference
Application Revisions	each	Advertising Fee	\$1,124.00	\$1,143.00	By-law 2013-006
Removal of (H) Holding Symbol					
Advertising Fee	each		\$225.00	\$229.00	By-law 2013-006
Removal of Holding Rezoning Application	each	Advertising Fee plus Conservation Authority fee if a condition of the Removal of (H) Holding relates to their comments	\$562.00	\$572.00	By-law 2013-006
Draft Plan of Subdivision or Condominium					
Advertising Fee	each		\$450.00	\$458.00	By-law 2013-006
Residential and/or Mixed Use - base fee plus set fee per new residential, commercial, and institutional lot/block to a maximum fee of \$15,000.00 plus legal and registration fees	each	Advertising Fee	\$6,735.00 plus \$26.00	\$6,849.00 plus \$26.00	By-law 2013-006
Non-Residential - base fee plus set fee per new industrial, commercial, and institutional block plus legal and registration fees	each	Advertising Fee	\$3,362.00 plus \$26.00	\$3,419.00 plus \$26.00	By-law 2013-006
Extension of Draft Plan Approval	each	None	\$337.00	\$343.00	By-law 2013-006
Minor Revisions to Draft Plan Approval where no recirculation is required	each	None if Public Meeting not required	\$337.00	\$343.00	By-law 2013-006
Minor Revisions to Draft Plan Approval where agency recirculation is required	each	None if Public Meeting not required	\$562.00	\$572.00	By-law 2013-006
Major Revisions to Draft Plan Approval	each	Advertising Fee	\$5,447.00	\$5,540.00	By-law 2013-006
Clearance of Draft Plan Conditions	each	None	\$562.00	\$572.00	By-law 2013-006
Preparation of Subdivision or Condominium Agreement (includes legal and registration	each	None	\$2,177.00	\$2,214.00	By-law 2013-006
Condominium Conversion	each	None if Public Meeting not required	\$1,124.00	\$1,143.00	
Exemption for a Condominium	each	None	\$710.00	\$722.00	
Removal of Road Reserves	each	None	\$337.00	\$343.00	
Part Lot Control					
Part Lot Control (including legal and registration fees)	each	Plus \$40.00 for each additional division	\$664.00	\$675.00	By-law 2013-006
Deeming By-law of Repeal of Deeming By-Law					
Deeming By-law of Repeal of Deeming By-Law (includes legal and registration fees)	each	None	\$787.00	\$800.00	By-law 2013-006
Deeming Application where required as a condition of any other Planning Act application or where associated with the sale of City lands	each	None	\$393.00	\$400.00	
By-law 2018-043 effective March 20, 2018					
Combined Planning Applications					
Advertising Fee	each		\$450.00	\$458.00	By-law 2013-006
Where an applicant submits any combination of an official plan amendment, zoning by-law amendment, draft plan of subdivision, and/or draft plan of condominium applications together at the same time, the highest application fee is the base fee and all other application fees are reduced by 50%. Only one advertising fee will be charged	each	Advertising Fee	As Detailed Under Service Description		By-law 2013-006
Minor Variance					
Advertising Fee	each		\$225.00	\$229.00	By-law 2013-006
Minor Variance Pre-screening, if required as determined by staff	each	None	\$225.00	\$225.00	By-law 2013-006
Minor Variance	each	Advertising Fee	\$1,124.00	\$1,143.00	By-law 2013-006
Minor Variance where required as a condition of consent	each	Advertising Fee		\$800.00	
Minor Variance for Approval of Accessibility Structures	each	Advertising Fee	\$562.00	\$572.00	NEW
By-law 2018-043 effective March 20, 2018					
Consent					
Consent Potential Inquiries	each		\$225.00	\$225.00	By-law 2013-006
Advertising Fee	each	None	\$225.00	\$229.00	By-law 2013-006
Consent for lot creation - base fee plus set fee for each additional lot or boundary adjustments when applications are submitted at the same time	each	Advertising Fee	\$1,124.00 Plus \$225.00	\$1,143.00 plus \$229.00	By-law 2013-006
Consent for easement, charge, lease, right-of-way, correction of title, and validation of title	each	Advertising Fee	\$966.00	\$982.00	By-law 2013-006
Consent for boundary adjustments - base fee plus set fee for each additional boundary adjustment when all applications are submitted at the same time	each	Advertising Fee	\$966.00 plus \$153.00	\$982.00 plus \$156.00	By-law 2013-006
Amendments to consent when recirculating required	each	Advertising Fee	\$337.00	\$343.00	By-law 2013-006
Stamping Fee: certificate for lot creation, lot retention, and boundary adjustments	each	None	\$450.00	\$458.00	By-law 2013-006

Schedule E – Planning, Development and Engineering					
Note: Legal and other administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective March 1, 2019	Rate Effective January 1, 2020	Reference
Stamping Fee: certificate for an easement, charge, lease, right-of-way, correction of title and validation of title	each	None	\$225.00	\$229.00	By-law 2013-006
Consent Agreement (Preparation, legal and registration of fees)	each	None	\$1,124.00 plus \$511.00	\$1,143.00 plus \$520.00	By-law 2013-006
Site Plan Approval					
Request for Exemption from Site Plan Control	each	None	\$337.00	\$343.00	By-law 2013-006
Residential - base fee plus set fee per residential dwelling unit plus additional fees for agreement preparation and registration	each	None	2248.00 plus \$26.00 plus \$1,124.00 plus \$511.00	\$287.00 plus \$26.00 plus \$1,143.00 plus \$520.00	By-law 2013-006
Mixed Use Building - base fee plus set fee per residential dwelling unit plus set fee per 100 sq.m. or part thereof of proposed non-residential floor space, plus additional fees for agreement preparation and registration	each	None	\$2,249.00 plus \$26.00 plus \$77.00 plus \$1,124.00 plus \$511.00	\$2,287.00 plus \$26.00 plus \$78.00 plus \$1,143.00 plus \$520.00	By-law 2013-006
Non-Residential - base fee plus set fee per 100 sq.m. or part thereof of proposed commercial floor space, and/or plus set fee per 100 sq.m. or part thereof of proposed industrial floor space, and/or plus set fee per 100 sq.m. or part thereof of proposed institutional floor space plus additional fees for agreement preparation and registration	each	None	\$2,249.00 plus \$26.00 plus \$77.00 plus \$1,124.00 plus \$511.00	\$2,287.00 plus \$26.00 plus \$78.00 plus \$1,143.00 plus \$520.00	By-law 2013-006
Amending Site Plan Approval					
Residential - base fee plus set fee per residential dwelling unit plus additional fees for agreement preparation and registration	each	None	\$1,686.00 plus \$26.00 plus \$1,124.00 plus \$511.00	\$1,715.00 plus \$26.00 plus \$1,143.00 plus \$520.00	By-law 2013-006
Mixed Use Building - base fee plus set fee per residential dwelling unit plus set fee per 100 sq.m. or part thereof of proposed non-residential floor space plus additional fees for agreement preparation and registration	each	None	\$1,686.00 plus \$26.00 plus \$51.00 plus \$1,124.00 plus \$511.00	\$1,715.00 plus \$26.00 plus \$52.00 plus \$1,143.00 plus \$520.00	By-law 2013-006
Non-Residential - base fee plus set fee per 100 sq.m. or part thereof of proposed commercial floor space, and/or plus set fee per 100 sq.m. or part thereof of proposed industrial floor space, and/or plus set fee per 100 sq.m. or part thereof of proposed institutional floor space plus additional fees for agreement preparation and registration	each	None	\$1,686.00 plus \$77.00 plus \$31.00 plus \$1,124.00 plus \$511.00	\$1,715.00 plus \$78.00 plus \$32.00 plus \$1,143.00 plus \$520.00	By-law 2013-006
Minor Site Plan Approval					
Plans only approval or with scoped site plan agreement for such uses as chip trucks, temporary new home sales trailers/offices, minor building extensions or alterations, school portables, or government agency reviews exempt from site plan control	each	None	\$562 plus \$818 for site plan agreement	\$572 plus \$832 for site plan agreement	By-law 2013-006
Renewal Energy Application Fees					
Review of Large Renewable Energy Application	each	None	\$4,359.00	\$4,433.00	By-law 2013-006
Municipal Council Support Resolution	each	None	\$434.00	\$441.00	By-law 2013-006
All Prescribed IESO forms (FIT/MicroFIT/LRP)	each	None	\$434.00	\$441.00	By-law 2013-006
Telecommunications Application Fees					
Telecommunications Tower Application	each	None	\$2,248.00	\$2,286.00	By-law 2013-006
Refund of Application Fees					
Advertising	each	None	90% if not advertised	90% if not advertised	By-law 2013-006
If request submitted within one (1) year from date of application being received and prior to preparation of staff report	each	None	25% of total application fee refundable	25% of total application fee refundable	By-law 2013-006
Preparation of Development Agreement					
Where required in conjunction with a Planning Act application but not mentioned above plus registration fee	each	None	\$1,124.00 plus \$511.00	\$1,143.00 plus \$520.00	
Where required but not in conjunction with a Planning Act application such as roadway construction, fulfillment of Oak Ridges Moraine Conservation Plan conditions plus registration fee	each	None	\$1,124.00 plus \$511.00	\$1,143.00 plus \$520.00	New
Where required to register a restrictive covenant on title or facilitate the merger of one or more properties plus registration fee	each	None	\$1,533.00 plus \$511.00	\$1,559.00 plus \$520.00	New
By-law 2018-043 effective March 20, 2018					
E – 2 Development Application Approval Fees					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Subdivision Approval					
Basic Fee - Percentage of constructed value of the public infrastructure created relative to the subdivision	each			3.70%	By-law 2007-132

Schedule E – Planning, Development and Engineering					
Note: Legal and other administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective March 1, 2019	Rate Effective January 1, 2020	Reference
Site Plan Approval					
Basic Fee – Percentage of constructed value of the site works created relative to the project	each			3.70%	By-law 2007-132
Condominium Approval					
Basic Fee - Percentage of the constructed value of the infrastructure	each			3.70%	By-law 2007-132
Abnormally complex proposals or where additional submissions or inspections required	each			Actual Costs	By-law 2007-132
E – 3 Permits					
Service Description	Unit	Additional Fees	Rate Effective March 1, 2019	Rate Effective January 1, 2020	Reference
Pool Permits	each		\$108.00	\$110.00	By-law 2005-314
Accessory Dwelling Units	each		\$140.00	\$142.00	By-law 2014-305
Patio Permits	each		\$281.00	\$286.00	By-law 2014-305
2018-043 deletion and Addition Effective March 20, 2018					

Schedule F – Waste Management							
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.							
Service Description	Unit	Additional Fees	Rate as of December 31, 2018	Rate Effective January 1, 2019	Rate Effective April 1, 2019	Rate Effective January 1, 2020	Reference
F – 1 Waste Management Fees							
Solid Waste Tipping Fees shall always be based on weight when a weight fee is listed for that item. Volume based fees will apply if there is a failure of the scale system							
Residential Recyclable Materials (Blue/Comingle & Green/ Paper Box Recycling)	each		Free	Free	Free	Free	By-law 2016-144
Residential Household Hazardous Waste (at designated landfill sites only)	each		Free	Free	Free	Free	By-law 2016-144
Residential Waste Electronic & Electrical Equipment	each		Free	Free	Free	Free	By-law 2016-144
Scrap Metal (including appliances without Freon)	each		Free	Free	Free	Free	By-law 2016-144
Tires (with or without rims)	each		Free	Free	Free	Free	By-law 2016-144
Ashes (must be cold to be accepted)	each		Free	Free	Free	Free	By-law 2016-144
Curbside Bag Tags	each		\$3.00	\$3.00	\$3.00	\$3.00	By-law 2016-144
Mattresses and Box Springs	each		\$15.00	\$15.00	\$15.00	\$15.00	By-law 2016-144
Appliances Containing Freon (refrigerators, air conditions, dehumidifiers, freezers,	item		\$20.00	\$20.00	\$20.00	\$20.00	By-law 2016-144
Residential/ Commercial Containers							
Standard 16 gallon blue	each		\$7.00	\$7.00	\$7.00	\$7.00	
Extra large 22 gallon blue boxes (for containers only)	each		\$9.00	\$9.00	\$9.00	\$9.00	
Commercial Recycling Carts (not available for residential collection)							
65 gallon blue and green carts	each		\$80.00	\$85.00	\$85.00	\$90.00	
95 gallon blue carts (for container recycling only)	each		\$95.00	\$100.00	\$100.00	\$105.00	
Rain Barrels							
Rain Barrel	each		\$75.00	\$75.00	\$75.00	\$75.00	
Composters							
Backyard composters (80 gallons)	each		\$45.00	\$45.00	\$45.00	\$45.00	
Kitchen compost pails (2 gallons)	each		\$3.00	\$3.00	\$3.00	\$3.00	
Digesters	each		\$70.00	\$70.00	\$70.00	\$70.00	
Weight Based Tipping Fees							
Minimum charge Sorted Material (Waste)	Visit		\$5.00	\$5.00	\$5.00	\$5.00	By-law2016-144
Minimum charge Mixed Load (Waste and Leaf & Yard Materials)	Visit		\$7.00	\$7.00	\$7.00	\$7.00	By-law2016-144
Sorted Waste over \$5 by weight	Tonne		\$105.00	\$110.00	\$110.00	\$120.00	By-law2016-144/CR2019-641
Sorted Leaf & Yard Material over 250kg	Tonne		\$105.00	\$110.00	\$110.00	\$120.00	By-law2016-144/CR2019-641
Mixed Loads (more than 20% by volume of recyclable materials and/or opaque bags)	tonne		\$205.00	\$210.00	\$210.00	\$220.00	By-law2016-144/CR2019-641
Contaminated Soil (suitable for daily cover)	tonne		\$50.00	\$50.00	\$50.00	\$50.00	By-law 2016-144
Contaminated Soil (not suitable for daily cover)	tonne		\$105.00	\$110.00	\$110.00	\$120.00	By-law2016-144/CR2019-641
Boat and Bale Wrap	tonne		\$105.00	\$110.00	\$110.00	\$120.00	By-law2016-144/CR2019-641
Asbestos	tonne		\$250.00	\$250.00	\$250.00	\$250.00	By-law 2016-144
Construction and Demolition Waste	tonne		\$105.00	\$110.00	\$110.00	\$120.00	By-law2016-144/CR2019-641
Residential, Industrial, Commercial and Institutional Waste	tonne		\$105.00	\$110.00	\$110.00	\$120.00	By-law2016-144/CR2019-641
Fees When Scales are inoperative or for Freon Removal							
Minimum charge Sorted Material (Waste)	Visit		\$5.00	\$5.00	\$5.00	\$5.00	By-law 2016-144
Minimum Charge Mixed Load (Waste and Leaf & Yard Material)	Visit		\$7.00	\$7.00	\$7.00	\$7.00	By-law 2016-144
Sorted Waste Material over \$5.00 by cubic yard	Cubic yard		\$15.00	\$17.50	\$17.50	\$22.50	By-law 2016-144
Sorted Leaf & Yard Material over 1.75 cubic yard	Cubic yard		\$15.00	\$17.50	\$17.50	\$22.50	By-law 2016-144
Mixed Loads (more than 20% by volume of recyclable materials and/or opaque bags)	cubic yard		\$30.00	\$35.00	\$35.00	\$45.00	By-law 2016-144
Asbestos per cubic yard	Cubic yard		\$125.00	\$125.00	\$125.00	\$125.00	
RV Disposal per visit at Lindsay Ops Only	per visit		\$5.00	\$5.00	\$5.00	\$5.00	
Vac Trucks	per load		\$200.00	\$200.00	\$200.00	\$200.00	

Schedule F – Waste Management							
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.							
Service Description	Unit	Additional Fees	Rate as of December 31, 2018	Rate Effective January 1, 2019	Rate Effective April 1, 2019	Rate Effective January 1, 2020	Reference
Boats	per foot		\$3.00	\$3.00	\$3.00	\$3.00	By-law 2016-144
Residential, Industrial, Commercial and Institutional Waste	cubic yard		\$15.00	\$17.50	\$17.50	\$22.50	By-law 2016-144
Boat and Bale Wrap	cubic yard		\$15.00	\$17.50	\$17.50	\$22.50	By-law 2016-144
Construction and Demolition Waste	cubic yard		\$50.00	\$55.00	\$55.00	\$65.00	By-law 2016-144
Contaminated Soil (suitable for cover material)	cubic yard		\$30.00	\$25.00	\$25.00	\$25.00	By-law 2016-144
Contaminated Soil (not suitable for cover material)	cubic yard		\$55.00	\$60.00	\$60.00	\$70.00	By-law 2016-144

Schedule G – Public Works					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
G – 1 Oversize and Overweight Loads					
Single Move Permit	each		\$55.00	\$55.00	By-law 2010-064
Annual Permit	each		\$220.00	\$220.00	By-law 2010-064
G – 2 Reduced Load Permit					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Permit for moving of heavy Vehicles, loads, objects or structures in excess of the load restrictions	each		\$55.00	\$55.00	By-law 2005-077
G – 3 Entrance Permit					
Service Description	Unit	Additional Fees	Rate Effective March 1, 2019	Rate Effective January 1, 2020	Reference
Consent Application Review	each		\$102.00	\$104.00	
Entrance Permit Application Fee (valid for one year)	each		\$111.00	\$113.00	
Installation of Access / Entrance Way					
City Hired Contractor (per 3.04 a, b and 3.06 b)		Full quoted cost plus actual administration costs			By-Law 2017-151
Application Hired Contractor					
Residential, filed, agricultural, temporary or utility entrance (per 3.04 and 3.06a)		\$ 2,000 deposit required. Actual cost including administration to be paid by applicant.			By-Law 2017-151

Schedule G – Public Works					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Commercial, Industrial, Institutional, emergency or public entrance (per 3.04 and 3.06a)		Deposit amount to be set by the Director. Actual costs including administration to be paid by applicant.			By-Law 2017-151
Failure to Comply with By-Law					
Contravention of By-Law (Per 7.02 a)		Fine as outlined in the Provincial Offences Act			By-Law 2017-151
Per 7.02 b - First offence		\$ 1,000 plus remedy and administration costs			By-Law 2017-151
Per 7.02 b - Second and succeeding offences		\$ 2,000 plus remedy and administration costs			By-Law 2017-151
G– 4 Installation of Banners over City Roads					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
Not for Profit, Charitable, Community Based Organization	location/year				Policy 140 EPW 012
Second and Subsequent Signs	week		\$110.00	\$110.00	Policy 140 EPW 012

Schedule H – Transit					
Note: Administration charges outlined in Schedule A may apply to transactions contained in this schedule. See Schedule A for details.					
Service Description	Unit	Additional Fees	Rate Effective January 1, 2019	Rate Effective January 1, 2020	Reference
H – 1 Transit Fees					
Per Trip					
Adults	trip		\$2.25	\$2.50	CR2017-632/By-law 2010-117
Students	trip		\$1.75	\$2.00	CR2017-632/By-law 2010-117
Children 8-14	trip		\$1.25	\$1.50	CR2017-632/By-law 2010-117
Children Under 8	trip		no charge	no charge	CR2017-632/By-law 2010-117
Tokens	6 tokens		\$10.00	\$10.00	CR2017-632/By-law 2010-117
	12 tokens		\$20.00	\$20.00	CR2017-632/By-law 2010-117
Monthly Pass					
Adults	pass		\$60.00	\$65.00	CR2017-632/By-law 2010-117
Seniors/Students	pass		\$50.00	\$55.00	CR2017-632/By-law 2010-117
Transit Charters					
For Profit Organizations (minimum 4 hours)	per hour		\$75.00	\$85.00	CR2017-632/By-law 2010-117
Not For Profit Organizations (minimum 4 hours)	per hour		\$37.50	\$42.50	CR2017-632/By-law 2010-117
2017-215 Effective October 24, 2017					

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Stop Up and Close Part of the Road Allowance Legally Described as Part of the Road Allowance between Concession 3 and Concession 4, in the Geographic Township of Verulam, City of Kawartha as Parts 1-10 on Plan 57R10775 Being Part of PIN:63123-0413 (LT)

Recitals

1. Pursuant to the Municipal Act, 2001, Council is empowered to stop up, close and to sell any part of a highway under its jurisdiction;
2. The land described in Schedule "A" attached forms part of the road allowance legally described as Part of Road Allowance between Concession 3 and Concession 4, in the Geographic Township of Verulam, City of Kawartha Lakes and has been declared to be surplus to municipal needs.
3. It is desirable to stop up and close that part of the road allowance described in Schedule "A" attached to this by-law and to authorize the sale of the land to the abutting owners.
4. Notice of the intention of City Council to pass this by-law was given by ad notice duly published in the Kawartha Lakes This Week newspaper on the 27th day of December, 2018 and the 3rd, and 10th days of January 2019, in accordance with the provisions of the Municipal Act, 2001 and City of Kawartha Lakes By-Law 2018-020, as amended.
5. The proposed by-law came before Council for consideration at its regular meeting on the 19th day of November, 2019 at 1:00 p.m. and at that time no person objected to the proposed by-law nor claimed that his land would be prejudicially affected.
6. This matter was approved by City Council on the 19th day of March, 2019 by the adoption of Report RS2019-002 by CR2019-098.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Definitions and Interpretation

- 1.01 **Definitions:** In this by-law,

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

"City Clerk" means the person appointed by Council to carry out the duties of the clerk described in section 228 of the Municipal Act, 2001;

"Council" or "City Council" means the municipal council for the City;

1.02 Interpretation Rules:

- (a) The Schedules attached to this by-law form part of the by-law, and are enforceable as such.
- (b) The words "include" and "including" are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

1.03 Statutes: References to laws in this by-law are meant to refer to the statutes, as amended from time to time, that are applicable within the Province of Ontario.

1.04 Severability: If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

Section 2.00: Road Closure and Sale

2.01 Closure and Sale: That part of the road allowance described in Schedule "A" attached has been declared to be surplus to municipal needs and is hereby stopped up, closed and authorized to be sold to the abutting landowners for nominal consideration, plus HST, if applicable, plus the cost of the reference plan, advertising, registrations, City staff time expense, legal fees and disbursement and any other costs incurred by the City in connection to this transaction.

Section 3.00: Effective Date

3.01 Effective Date: This By-law shall come into force on the date it is finally passed by Council and has been deposited on title in the Registry Office for the Registry Division of Victoria (No. 57).

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

**Schedule "A" To City Of Kawartha Lakes
By-Law Number 2019-
Passed This 19th Day Of November, 2019**

**Description Of Land To Be Stopped Up, Closed
And Conveyed To The Abutting Owners**

Part of the Road Allowance between Concession 3 and Concession 4, in the Geographic Township of Verulam, City of Kawartha as Parts 1-10 on Plan 57R10775 Being Part of PIN:63123-0413 (LT)

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Repeal By-law 2019-086, being A By-law to Appoint a Municipal Law Enforcement Officer for Limited By-law Enforcement Purposes

Recitals

1. Council adopted By-law 2019-086 on May 21, 2019 to appoint David Edward Surowiec as a Municipal Law Enforcement Officer for limited by-law enforcement purposes.
2. Council deems it appropriate to repeal By-law 2019-086 due to changes in staffing.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

“Council” or “City Council” means the municipal council for the City.

1.02 Interpretation Rules:

- (a) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

Section 2.00: Repeals

2.01 Repeal: By-law 2019-086 is repealed.

Section 3.00: Administration and Effective Date

3.01 Administration of this By-law: The Manager of Municipal Law Enforcement and Licensing is responsible for the administration of this By-law.

3.02 **Effective Date:** This By-law shall come into force on the date it is finally passed.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Repeal By-law 2017-192, being A By-law to Appoint a Municipal Law Enforcement Officer for the City of Kawartha Lakes

Recitals

1. Council adopted By-law 2017-192 on September 26, 2017 to appoint Christopher Tassone as a Municipal Law Enforcement Officer for the City of Kawartha Lakes.
2. Council deems it appropriate to repeal By-law 2017-192 due to changes in staffing.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

“Council” or “City Council” means the municipal council for the City.

1.02 Interpretation Rules:

- (a) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

Section 2.00: Repeals

2.01 Repeal: By-law 2017-192 is repealed.

Section 3.00: Administration and Effective Date

3.01 Administration of this By-law: The Manager of Municipal Law Enforcement and Licensing is responsible for the administration of this By-law.

3.02 **Effective Date:** This By-law shall come into force on the date it is finally passed.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Repeal By-law 2017-193, being A By-law to Appoint a Weed Inspector for the City of Kawartha Lakes

Recitals

1. Council adopted By-law 2017-193 on September 26, 2017 to appoint Christopher Tassone as a Weed Inspector for the City of Kawartha Lakes.
2. Council deems it appropriate to repeal By-law 2017-193 due to changes in staffing.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

“Council” or “City Council” means the municipal council for the City.

1.02 Interpretation Rules:

- (a) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

Section 2.00: Repeals

2.01 Repeal: By-law 2017-193 is repealed.

Section 3.00: Administration and Effective Date

3.01 Administration of this By-law: The Manager of Municipal Law Enforcement and Licensing is responsible for the administration of this By-law.

3.02 **Effective Date:** This By-law shall come into force on the date it is finally passed.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Repeal By-law 2013-182, being A By-law to Appoint a Municipal Law Enforcement Officer for the Purpose of Enforcing Licensing By-laws

Recitals

1. Council adopted By-law 2013-182 on October 8, 2013 to appoint a Municipal Law Enforcement Officer for the purpose of enforcing licensing by-laws.
2. Council deems it appropriate to repeal By-law 2013-182 due to changes in staffing.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“**City**”, “**City of Kawartha Lakes**” or “**Kawartha Lakes**” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

“**Council**” or “**City Council**” means the municipal council for the City.

1.02 Interpretation Rules:

- (a) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

Section 2.00: Repeals

2.01 Repeal: By-law 2013-182 is repealed.

Section 3.00: Effective Date

3.01 Effective Date: This By-law shall come into force on the date it is finally passed.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Appoint a Licensing Enforcement Officer as a Municipal Law Enforcement Officer for the City of Kawartha Lakes for the Purpose of Enforcing Licensing By-laws

Recitals

1. Section 15 of the Police Services Act R.S.O. 1990, c.P.15 authorizes municipal councils to appoint municipal law enforcement officers, who are peace officers for the purpose of enforcing their by-laws.
2. Council considers it advisable to appoint a Licensing Enforcement Officer as a Municipal Law Enforcement Officer for the purpose of enforcing licensing by-laws.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

“Council” or “City Council” means the municipal council for the City;

“Licensing Enforcement Officer” means the Municipal Licensing Enforcement Officer employed by the City responsible for issuing, administration and approval of licenses in accordance with provincial legislation and City policies and procedures.

“Manager of Municipal Law Enforcement and Licensing” means the person who holds that position and his or her delegate(s) or, in the event of organizational changes, another person designated by Council.

1.02 Interpretation Rules:

(a) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

1.03 Statutes: References to laws in this by-law are meant to refer to the statutes, as amended from time to time, that are applicable within the Province of Ontario.

1.04 Severability: If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-

law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

Section 2.00: Appointments

- 2.01 **Licensing Enforcement Officer:** Travis Montgomery is appointed as a Licensing Enforcement officer for the City of Kawartha Lakes.
- 2.02 **Municipal Law Enforcement Officer:** Travis Montgomery is appointed as a Municipal Law Enforcement Officer for the purpose of enforcement of applicable City of Kawartha Lakes licensing by-laws and regulations in accordance with section 15 of the Police Services Act R.S.O. 1990, c.P.15
- 2.02 **Reporting Relationship:** Licensing Enforcement Officer Travis Montgomery shall report to and be under the direction of the Manager of Municipal Law Enforcement and Licensing.

Section 3.00: Administration and Effective Date

- 3.01 **Administration of the By-law:** The Manager of Municipal Law Enforcement and Licensing is responsible for the administration of this by-law.
- 3.02 **Effective Date:** This By-law shall come into force on the date it is finally passed.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Amend By-law 2014-255, being Mandatory Connection By-Law

The full title of the By-Law being amended is A By-Law to Require Owners of Buildings to Connect Such Building to Drinking Water Systems and/or Wastewater Collection Systems in the City of Kawartha Lakes, referred to as the “Mandatory Connection By-Law”.

Recitals

1. Council adopted Resolution CR2019-541 on September 24, 2019 directing amendments to By-Law 2014-255.
2. An amendment is required to remove the requirement to pay the Fixed Rates, and add the requirement to pay a Mandatory Connect Fee – Water/Sewer.
3. These changes require an amendment to the original by-law.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Definitions and Interpretation

1.01 Definitions:

All defined terms in the amending By-law take their meaning from By-law 2014-255 of the City of Kawartha Lakes.

1.02 Interpretation Rules:

- (a) The Schedules attached to this by-law form part of the by-law, and are enforceable as such.
- (b) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

Section 2.00: Amendment Details

- 2.01 Amendment:** Section 2.05 to By-law 2014-255 is deleted in its entirety and replaced with the following:

Section 2.05: Any appeals or requests for exemptions from section 2.01, 2.02, and 2.03 of this By-law shall be forwarded to Council for consideration.

- 2.02 Amendment:** Section 2.06 to By-law 2014-255 is deleted in its entirety and replaced with the following:

Section 2.06: Subject to section 2.01, 2.02 or 2.03 of this by-law any Owner of a building on land that meet the requirements to connect to the municipal water and/or wastewater services shall be billed the Mandatory Connect Fee – Water and/or Mandatory Connect Fee – Sewer as per the provisions of the By-law to Regulate Water and Wastewater Services in the City of Kawartha Lakes (By-law 2018-039, as amended) and the consolidated fees By-law 2018-234, as amended commencing January 1, 2020.

Section 3.00: Administration and Effective Date

- 3.01 **Administration of the By-law:** The Director is responsible for the administration of this by-law.
- 3.02 **Effective Date:** This By-law shall come into force on the date it is finally passed.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Amend By-law 2018-039, being Water and Wastewater Services By-Law

The full title of the By-Law being amended is A By-Law to Regulate Water and Wastewater Services in the City of Kawartha Lakes.

Recitals

1. On September 24, 2019, Council adopted the following Resolutions:
 - CR2019-541 directing amendments to By-Law 2018-039, and
 - CW2019-169 directing amendments to the High Water Bill Adjustment Policy.
2. Amendments are required to reflect changes relating to the newly imposed Mandatory Connect Fee – Water/Sewer, removing requirement for mandatory connect properties to pay Fixed Rate and the changes to the High Water Bill Adjustment Policy.
3. These changes require amendments to the original by-law.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Definitions and Interpretation

1.01 Definitions:

All defined terms in the amending By-law take their meaning from By-law 2018-039 of the City of Kawartha Lakes.

1.02 Interpretation Rules:

- (a) The Schedules attached to this by-law form part of the by-law, and are enforceable as such.
- (b) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

Section 2.00: Amendment Details

2.01 Amendments:

Section 23.05(s) to By-law 2018-039 is deleted in its entirety and replaced with the following:

Section 23.05(s): The owner or occupier of each separately assessed parcel of land that fronts a watermain and is subject to the requirements of By-Law 2014-255 “Mandatory Connection By-Law” shall pay a Mandatory Connect Fee – Water as set forth in Schedule “A” of this By-Law, commencing January 1, 2020.

- 2.02 **Amendment:** Section 23.05(v) to By-law 2018-039 is deleted in its entirety and replaced with the following:

Section 23.05(v): The owner or occupier of each separately assessed parcel of land that fronts a sanitary sewer main and is subject to the requirements of By-Law 2014-255 “Mandatory Connection By-Law” shall pay a Mandatory Connect Fee – Sewer as set forth in Schedule “A” of this By-Law, commencing January 1, 2020.

- 2.03 **Amendment:** Section 24.00 High Water Bill Adjustment and Mandatory Service Connection Appeals Committee is deleted in its entirety

- 2.04 **Amendment:** Schedule A to By-law 2018-039 is deleted in its entirety and replaced with Schedule A, attached to this by-law.

Section 3.00: Administration and Effective Date

- 3.01 **Administration of the By-law:** The Director of Public Works and the Treasurer is responsible for the administration of this by-law.

- 3.02 **Effective Date:** This By-law shall come into force on the date it is finally passed.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk



Schedule A - 2019
Water and Wastewa

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-Law to Amend the Town of Lindsay Official Plan to Re-designate Land within the City of Kawartha Lakes

[File D01-2019-001, Report PLAN2019-067, respecting Part of Lot 24, Concession 5, geographic Township of Ops and Part of Lot 3 and Block X, Plan 1, former Town of Lindsay, being vacant land on Lindsay Street North – 2573532 Ontario Inc.]

Recitals:

1. Sections 17 and 22 of the Planning Act, R.S.O. 1990, c. P.13, authorize Council to consider the adoption of an amendment to an Official Plan.
2. Council has received an application to amend the Town of Lindsay Official Plan to amend Schedule 'A' to facilitate the creation of one hundred and fifty-five (155) residential units by two blocks on a plan of subdivision under Section 50 of the Planning Act for the property being vacant land on Lindsay Street North.
3. A public meeting to solicit public input has been held.
4. Council deems it appropriate to adopt Official Plan Amendment Number 55.

Accordingly, the Council of the Corporation of the City of Kawartha Lakes enacts this By-law 2019-***.

Section 1:00 Official Plan Amendment Details

- 1.01 **Property Affected:** The property affected by this By-law is described as Part of Lot 24, Concession 5, geographic Township of Ops and Part of Lot 3 and Block X, Plan 1, former Town of Lindsay, being vacant land on Lindsay Street North now in the City of Kawartha Lakes.
- 1.02 **Amendment:** Amendment No. 55 to the Town of Lindsay Official Plan, attached hereto as Schedule 'A' and forming a part of this By-law is hereby adopted.

Section 2:00 Effective Date

- 2.01 **Force and Effect:** This By-law shall come into force and take effect on the date it is finally passed, subject to the approval of the City of Kawartha Lakes in accordance with the provisions of Section 17 and 22 of the Planning Act, R. S. O. 1990, c. P.13. Notwithstanding the subsequent coming into force of the Lindsay Secondary Plan, adopted by Council on June 27, 2017, this by-law continues to be in force and effect.

By-law read a first, second and third time, and finally passed, this ** day of _____, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

DRAFT

Schedule 'A' to By-law No. 2019-***

The Corporation of the City of Kawartha Lakes

Amendment No. 55 To The Official Plan – The Town of Lindsay

Part A – The Preamble

A. Purpose

The purpose of the official plan amendment is to re-designate the northern one-third of the property from the “Future Residential” designation to the “Residential” designation on Schedule “A” of the Town of Lindsay Official Plan. The land is also subject to applications for zoning by-law amendment, draft plan of subdivision and draft plan of common element condominium.

The effect of the change would permit a residential plan of subdivision on the entire property, consisting of 2 blocks for townhouse units with one block containing 55 residential units and a second block containing 100 units for a total of 155 residential units. A plan of common element condominium will create the internal road network, allow for services and utilities, visitor parking spaces, amenity space, open space for buffering and easements.

B. Location

The subject land has a lot area of approximately 5.71 hectares and is located on the west side of Lindsay Street North, north of Cottingham Crescent, in the former Town of Lindsay. The subject property is located in a residential area with single detached dwellings to the west and semi-detached dwellings to the south. The land to the east is a former Lindsay landfill site and community park. The subject property is currently vacant.

The property is legally described as Part of Lot 24, Concession 5, geographic Township of Ops and Part of Lot 3 and Block X, Plan 1, former Town of Lindsay and identified as vacant land on west side of Lindsay Street North.

C. Basis

Council has enacted this official plan amendment in response to an application submitted by GHD on behalf of 2573532 Ontario Inc. to permit the creation of a residential plan of subdivision on the entire property, consisting of 2 blocks for townhouse units with one block containing 55 residential units and a second block containing 100 units for a total of 155 residential units. The proposed development also includes a plan of common element condominium to create the internal road network, allow for services and utilities, visitor parking spaces, amenity space, open space for buffering and easements.

The land is designated “Future Residential” as shown on Schedule “A” of the Town of Lindsay Official Plan. The land is also subject to applications for zoning by-law amendment, draft plan of subdivision and draft plan of common element

condominium. The development will be subject to site plan approval and individual lot creation will be facilitated by lifting of part lot control. The development will be registered by way of parcels of tied land (POTLs).

The proposed use and amendment to the Town of Lindsay Official Plan is justified and represents good planning for the following reasons:

1. The proposed development conforms to relevant provincial policy documents being the Growth Plan for the Greater Golden Horseshoe and is consistent with the Provincial Policy Statement.
2. The proposed development conforms to the goals and objectives of the “Residential” designation as set out in the Town of Lindsay Official Plan.
3. The proposed use is compatible and integrates well with the surrounding area. The proposed lot fabric and street network in the draft plan of subdivision and draft plan of common element condominium proposes connectivity with Lindsay Street North and Alcorn Drive along with future connectivity to the west through the extension of Alcorn Drive.
4. The applicant has submitted background reports to demonstrate the appropriateness of the proposed development with respect to servicing, traffic, noise and the protection of the environment.

Part B - The Amendment

D. Introductory Statement

All of this part of the document entitled Part B – The Amendment, consisting of the following text and the attached map constitutes Amendment No. 55 to the Town of Lindsay Official Plan.

E. Details of the Amendment

1. Schedule ‘A’ of the Town of Lindsay Official Plan is hereby amended by changing the land use designation from the Future Residential designation to the Residential designation, as shown on Map ‘A’ as ‘LAND TO BE RE-DESIGNATED RESIDENTIAL’.

F. Implementation and Interpretation

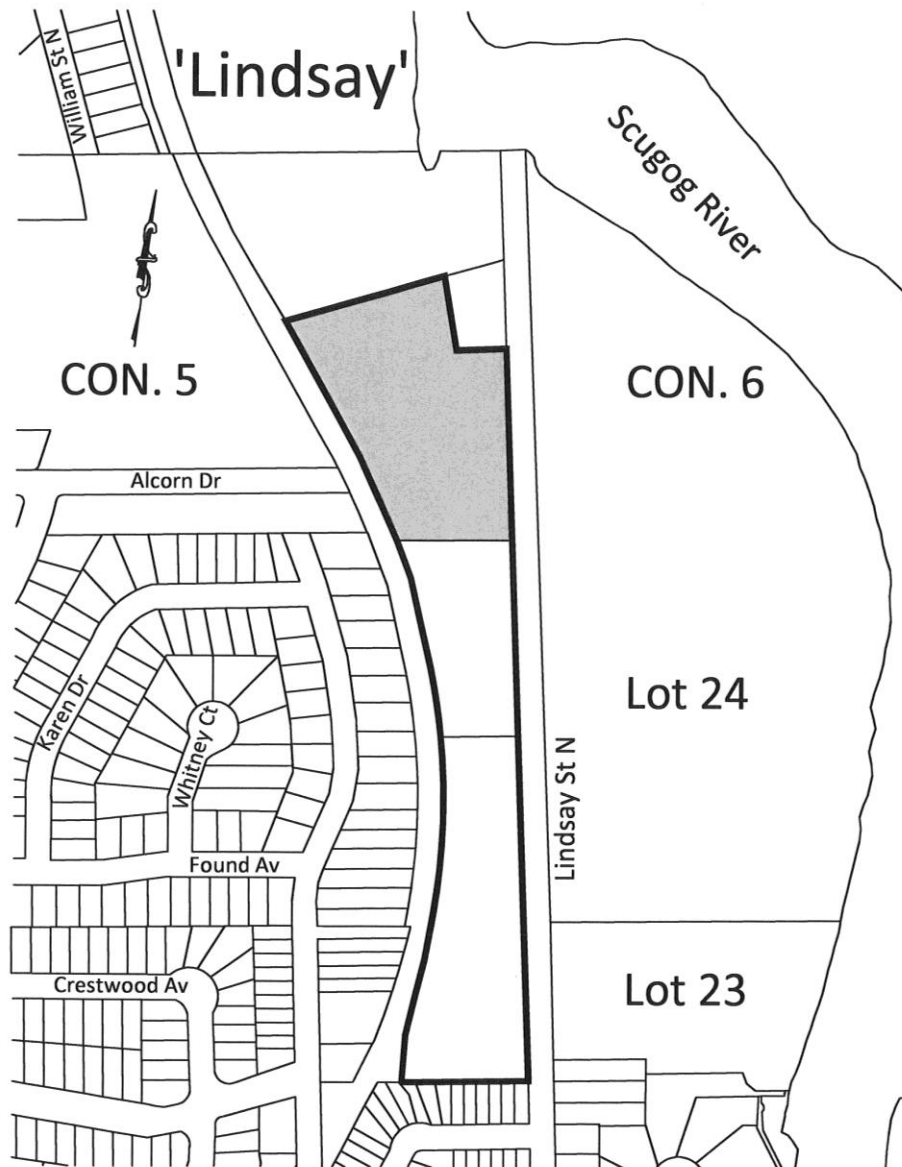
The implementation and interpretation of this amendment shall be in accordance with the relevant policies of the Official Plan.

THE CORPORATION OF THE CITY OF

KAWARTHA LAKES

Map 'A' to Amendment No. ____

to the Town of Lindsay Official Plan



■ LAND TO BE RE-DESIGNATED RESIDENTIAL

The Corporation of the City of Kawartha Lakes

By-Law 2019 -

A By-law to Amend the Town of Lindsay Zoning By-law No. 2000-75 to Rezone Land within the City Of Kawartha Lakes

[File D06-2018-026, Report PLAN2019-072, respecting a portion of Concession 4, Part of Lot 22, geographic Township of Ops; 57R-6839, Parts 1, 2 and 6 to 20, and Part of Parts 3 to 5, Former Town of Lindsay, identified as Vacant Land on Colborne Street West – Lindsay 2017 Developments Inc.]

Recitals:

1. Sections 34 and 36 of the Planning Act, R.S.O. 1990, c.P.13 authorizes Council to determine the appropriate zoning categories and provisions assigned to land.
2. Council has received an application to amend the categories and provisions relating to a specific parcel of land to permit a mixed use commercial and residential plan of subdivision consisting of three hundred ninety-four (394) residential lots for single detached dwellings; thirty-two (32) blocks for one hundred and sixty-nine (169) townhouse dwellings; and two (2) blocks for up to two hundred fifty-two (252) dwelling units on the subject land.
3. A public meeting to solicit public input has been held.
4. Council deems it appropriate to rezone the Property.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-__.

Section 1:00 Zoning Details

- 1.01 **Property Affected:** The Property affected by this by-law is described as a portion of Concession 4 Part of Lot 22 geographic Township of Ops; 57R-6839 Parts 1 2 and 6 to 20 and Part Parts 3 to 5, Former Town of Lindsay, City of Kawartha Lakes.
- 1.02 **Textual Amendment:** By-law No. 2000-75 of the Town of Lindsay is further amended to add the following section to Section 6.3:

6.3.26 R1-S21 Zone

Notwithstanding any other provisions of this by-law, Section 5.12 (j) v. shall not apply.

In addition to the permitted projections listed in Section 5.24 vi., the following projections are permitted;

- i. A box or bay window may project a distance of not more than 0.6 m into a front, rear or exterior side yard setback area,
- ii. A covered porch may project a distance of not more than 1.8 m into an exterior side yard setback

On land zoned R1-S21(H), the removal of the (H) Holding Symbol shall be considered by Council once the applicant has entered into a subdivision agreement to the City's satisfaction, servicing is available to the property, and all financial aspects have been addressed.

- 1.03 **Textual Amendment:** By-law No. 2000-75 of the Town of Lindsay is further amended to add the following sections to Section 8.3:

8.3.21 R3-S18 Zone

Notwithstanding any other provisions of this by-law, Section 5.12 (j) v. and 8.2 h. shall not apply.

Notwithstanding the zone requirements on land zoned R3, on land zoned R3-S18 the following requirements shall also apply:

- i. The minimum front yard setback shall be 4.0 m to the main front wall of a building or covered porch, and 6.0 m to a garage;
- ii. The minimum interior side yard shall be 1.2 m on one side and 0.6 m on the other side.

In addition to the permitted projections listed in Section 5.24 vi., the following projections are permitted;

- i. A box or bay window may project a distance of not more than 0.6 m into a front, rear or exterior side yard setback area,
- ii. A covered porch may project a distance of not more than 1.8 m into an exterior side yard setback

On land zoned R3-S18(H), the removal of the (H) Holding Symbol shall be considered by Council once the applicant has entered into a subdivision agreement to the City's satisfaction, servicing is available to the property, and all financial aspects have been addressed.

8.3.22 R3-S19 Zone

Notwithstanding any other provisions of this by-law, Section 8.2 h. shall not apply.

Notwithstanding the zone requirements on land zoned R3, on land zoned R3-S19 the following requirements shall also apply:

- i. The minimum front yard setback shall be 4.0 m to the main front wall of a building or covered porch, and 6.0 m to a garage;
- ii. The minimum interior side yard shall be 1.2 m on one side and 0.6 m on the other side;
- iii. The maximum lot coverage for all buildings is 55%.

In addition to the permitted projections listed in Section 5.24 vi., the following projections are permitted;

- i. A box or bay window may project a distance of not more than 0.6 m into a front, rear or exterior side yard setback area

On land zoned R3-S19(H), the removal of the (H) Holding Symbol shall be considered by Council once the applicant has entered into a subdivision agreement to the City's satisfaction, servicing is available to the property, and all financial aspects have been addressed.

8.3.23 R3-S20 Zone

Notwithstanding any other provisions of this by-law, Section 5.12 (j) v. and 8.2 h. shall not apply.

Notwithstanding the zone requirements on land zoned R3, on land zoned R3-S20 the following requirements shall also apply:

- i. The minimum front yard setback shall be 4.0 m to the main front wall of a building or covered porch, and 6.0 m to a garage;
- ii. The minimum interior side yard shall be 1.2 m on one side and 0.6 m on the other side.

In addition to the permitted projections listed in Section 5.24 vi., the following projections are permitted;

- i. A box or bay window may project a distance of not more than 0.6 m into a front, rear or exterior side yard setback area,
- ii. A covered porch may project a distance of not more than 1.8 m into an exterior side yard setback

Notwithstanding Subsection 5.3 and Subsection 8.1, land zoned R3-S20 may also permit a model home to be used as a temporary home sales office subject to the provisions of Subsection 5.12 and Subsection 8.2. The placement of the temporary home sales office and related parking lot shall be subject to site plan approval and shall not require a connection to full municipal services. The owner shall enter into a secured model home agreement with the City.

On land zoned R3-S20(H), the removal of the (H) Holding Symbol shall be considered by Council once the applicant has entered into a subdivision agreement to the City's satisfaction, servicing is available to the property, and all financial aspects have been addressed. The removal of the (H) Holding Symbol shall not be required for the use of the lands as a temporary home sales office and associated parking lot.

- 1.04 **Textual Amendment:** By-law No. 2000-75 of the Town of Lindsay is further amended to add the following section to Section 9.3:

9.3.23 RM1-S22 Zone

Notwithstanding any other provisions of this by-law, Section 5.12 (j) v. and 9.2 i. shall not apply.

Notwithstanding the zone requirements on land zoned RM1, on land zoned RM1-S22 the following requirements shall also apply:

- i. The minimum front yard setback shall be 4.0 m to the main front wall of a building or covered porch, and 6.0 m to a garage;
- ii. The minimum interior side yard setback shall be 1.2 m;
- iii. The minimum exterior side yard setback shall be 2.4 m;
- iv. The maximum lot coverage for all buildings is 55%.

In addition to the permitted projections listed in Section 5.24 vi., the following projections are permitted;

- i. A box or bay window may project a distance of not more than 0.6 m into a front, rear or exterior side yard setback area

On land zoned RM1-S22(H), the removal of the (H) Holding Symbol shall be considered by Council once the applicant has entered into a subdivision agreement to the City's satisfaction, servicing is available to the property, and all financial aspects have been addressed.

9.3.24 RM1-S23 Zone

Notwithstanding any other provisions of this by-law, Section 5.12 (j) v. and 9.2 i. shall not apply.

Notwithstanding the zone requirements on land zoned RM1, on land zoned RM1-S23 the following requirements shall also apply:

- i. The minimum front yard setback shall be 4.0 m to the main front wall of a building or covered porch, and 6.0 m to a garage;
- ii. The minimum interior side yard setback shall be 1.2 m;
- iii. The minimum exterior side yard setback shall be 2.4 m;
- iv. The maximum lot coverage for all buildings is 55%.

In addition to the permitted projections listed in Section 5.24 vi., the following projections are permitted;

- i. A box or bay window may project a distance of not more than 0.6 m into a front, rear or exterior side yard setback area

Notwithstanding Subsection 5.3 and Subsection 9.1, land zoned RM1-S23 may also permit a model home to be used as a temporary home sales office subject to the provisions of Subsection 5.12 and Subsection 9.2. The placement of the temporary home sales office and related parking lot shall be subject to site plan approval and shall not require a connection to full municipal services. The owner shall enter into a secured model home agreement with the City.

On land zoned RM1-S23(H), the removal of the (H) Holding Symbol shall be considered by Council once the applicant has entered into a subdivision

agreement to the City's satisfaction, servicing is available to the property, and all financial aspects have been addressed. The removal of the (H) Holding Symbol shall not be required for the use of the lands as a temporary home sales office and associated parking lot.

- 1.05 **Textual Amendment:** By-law No. 2000-75 of the Town of Lindsay is further amended to add the following section to Section 22.3:

22.3.8 CF-S7 Zone

Notwithstanding the permitted uses and zone requirements on land zoned CF, on land zoned CF-S7 the only permitted use shall be an elementary school and an accessory day care centre and the following requirement shall also apply:

- i. The maximum building height shall not exceed 15.0 m, or a maximum geodetic elevation of 288.0 m above sea level, whichever is lesser.

On land zoned CF-S7(H), the removal of the (H) Holding Symbol shall be considered by Council once the applicant has entered into a subdivision agreement to the City's satisfaction, servicing is available to the property, and all financial aspects have been addressed.

- 1.06 **Textual Amendment:** By-law No. 2000-75 of the Town of Lindsay is further amended to add the following section to Section 23.3:

23.3.8 OS-S7 Zone

Notwithstanding the permitted uses on land zoned OS, on land zoned OS-S7, the following shall also apply:

- i. A stormwater management facility shall be a permitted use.

23.3.9 OS-S8 Zone

Notwithstanding the permitted uses on land zoned OS, on land zoned OS-S8, the following shall also apply:

- i. The only permitted uses shall be:
 - A stormwater management facility;
 - Public Utilities, including a Pump Station.

- 1.07 **Schedule Amendment:** Schedule 'A' to By-law No. 2000-75 of the Town of Lindsay is further amended to change the zone category from the 'Residential One (R1) Zone', 'Future Community Development (FCD) Zone' and 'General Commercial Special Nine – Holding One [GC-S9(H1)] Zone' to the 'Residential One Special Twenty-One (R1-S21) Zone', Residential One Special Twenty-One – Holding [R1-S21(H)] Zone', 'Residential Three Special Eighteen (R3-S18) Zone', Residential Three Special Eighteen – Holding [R3-S18(H)] Zone', 'Residential Three Special Nineteen – Holding [R3-S19(H)] Zone', 'Residential Three Special Twenty – Holding [R3-S20(H)] Zone', 'Residential Multiple One Special Twenty-Two (RM1-S22) Zone', 'Residential Multiple One Special

Twenty-Two – Holding [RM1-S22(H)] Zone’, ‘Residential Multiple One Special Twenty-Three – Holding [RM1-S23(H)] Zone’, ‘Community Facility Special Seven – Holding [CF-S7(H)] Zone’, ‘Parks and Open Space (OS) Zone’, ‘Parks and Open Space Special Seven (OS-S7) Zone’, ‘Parks and Open Space Special Eight (OS-S8) Zone’ and ‘Future Residential (FR) Zone’ for the land referred to as ‘R1-S21’, ‘R1-S21(H)’, ‘R3-S18’, ‘R3-S18(H)’, ‘R3-S19(H)’, ‘R3-S20(H)’, ‘RM1-S22’, ‘RM1-S22(H)’, ‘RM1-S23(H)’, ‘CF-S7’, ‘OS’, ‘OS-S7’, ‘OS-S8’ and ‘FR’, as shown on Schedule ‘A’ attached to this By-law.

Section 2:00 Effective Date

- 2.01 **Effective Date:** This By-law shall come into force and take effect on the date it is finally passed, subject to the provisions of Sections 34 and 36 of the Planning Act R.S.O. 1990, c.P.13.

By-law read a first, second and third time, and finally passed, this ** day of ***, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-Law 2019 -

A By-Law to Amend the Town of Lindsay Official Plan to Re-designate Land within the City of Kawartha Lakes

[File D01-2018-005, Report PLAN2019-072, respecting a portion of Concession 4, Part of Lot 22, geographic Township of Ops; 57R-6839, Parts 1, 2 and 6 to 20, and Part of Parts 3 to 5, Former Town of Lindsay, Vacant Land on Colborne Street West – Lindsay 2017 Developments Inc.]

Recitals:

1. Sections 17 and 22 of the Planning Act, R.S.O. 1990, c. P.13, authorize Council to consider the adoption of an amendment to an Official Plan.
2. Council has received an application to amend the Town of Lindsay Official Plan to amend Schedule 'JC2' to permit a mixed use commercial and residential plan of subdivision consisting of three hundred ninety-four (394) residential lots for single detached dwellings; thirty-two (32) blocks for one hundred and sixty-nine (169) townhouse dwellings; and two (2) blocks for up to two hundred fifty-two (252) dwelling units by plan of subdivision under Section 50 of the Planning Act to the property known municipally as Vacant Land on Colborne Street West.
3. A public meeting to solicit public input has been held.
4. Council deems it appropriate to adopt Official Plan Amendment Number 54.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-***.

Section 1:00 Official Plan Amendment Details

- 1.01 **Property Affected:** The property affected by this By-law is described as a portion of Concession 4 Part of Lot 22 geographic Township of Ops; 57R-6839 Parts 1 2 and 6 to 20 and Part Parts 3 to 5, former Town of Lindsay, now in the City of Kawartha Lakes, Vacant Land on Colborne Street West.
- 1.02 **Amendment:** Amendment No. 54 to the Town of Lindsay Official Plan, attached hereto as Schedule 'A' and forming a part of this By-law is hereby adopted.

Section 2:00 Effective Date

- 2.01 **Force and Effect:** This By-law shall come into force and take effect on the date it is finally passed, subject to the approval of the City of Kawartha Lakes in accordance with the provisions of Section 17 and 22 of the Planning Act, R. S. O. 1990, c. P.13. Notwithstanding the subsequent coming into force of the Lindsay Secondary Plan, adopted by Council on June 27, 2017, this by-law continues to be in force and effect.

By-law read a first, second and third time, and finally passed, this ** day of _____,
2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

Schedule 'A' to By-law No. 2019-***

The Corporation of the City of Kawartha Lakes

Amendment No. 54 To The Official Plan – The Town of Lindsay

Part A – The Preamble

A. Purpose

The purpose of the official plan amendment is to change the land use designations on Schedule 'JC2' of the Town of Lindsay Official Plan on the property to remove the 'Local Commercial' designation, reduce the 'General Commercial' designation, and reconfigure the location of the remaining land use designations. The land is also subject to an Application for Zoning By-law Amendment and a Draft Plan of Subdivision.

The effect of the change is to permit the creation of a mixed use commercial and residential plan of subdivision consisting of 394 lots for single detached dwellings; 32 blocks for 169 townhouse dwellings; and 2 blocks for up to 252 residential dwelling units.

B. Location

The subject land has a lot area of approximately 57.67 hectares and is located on the north side of Colborne Street West, on the east side of Highway 35 in the former Town of Lindsay, now City of Kawartha Lakes. The subject property is located adjacent to a residential area with single detached dwellings. While the land to the north of the proposed development is vacant, it is located within the Urban Settlement Boundary for Lindsay and will be considered for future development. The subject property is currently vacant.

The property is legally described as a portion of Concession 4, Part of Lot 22, geographic Township of Ops; 57R-6839, Parts 1, 2 and 6 to 20, and Part of Parts 3 to 5, Former Town of Lindsay, now City of Kawartha Lakes and identified as Vacant Land on Colborne Street West.

C. Basis

Council has enacted this official plan amendment in response to an application submitted by D.G. Biddle & Associates Limited on behalf of Lindsay 2017 Developments Inc. to permit the creation of a mixed use plan of subdivision consisting of 394 lots for single detached dwellings, 32 blocks for 169 townhouse dwellings, and 2 blocks for up to 252 dwelling units on a portion of the subject land. The proposed development also includes the extension of St. Joseph Road and a new road network, and the creation of blocks for parks, stormwater facilities, a municipal pump station, an elementary school, and trails.

The land is designated 'Residential', 'Future Residential', 'General Commercial', 'Local Commercial', 'Parks and Open Spaces', and 'Institutions and Community Facilities' as shown on Schedule 'JC2' of the Town of Lindsay Official Plan. The

land is also subject to an Application for Zoning By-law Amendment and Draft Plan of Subdivision.

The proposed use and amendment to the Town of Lindsay Official Plan are justified and represent good planning for the following reasons:

1. The proposed development conforms to relevant provincial policy documents being the Growth Plan for the Greater Golden Horseshoe and is consistent with the Provincial Policy Statement.
2. The proposed development conforms to the goals and objectives of the 'Residential', 'Future Residential', 'General Commercial', 'Parks and Open Spaces', and 'Institutions and Community Facilities' designations as set out in the Town of Lindsay Official Plan.
3. The site concept is compatible and integrates well with the surrounding area.
4. The applicant has submitted the selected background reports as set out in the Town of Lindsay Official Plan to demonstrate the appropriateness of the proposed development with respect to servicing, traffic, noise, and the protection of the environment.

Part B - The Amendment

D. Introductory Statement

All of this part of the document entitled Part B – The Amendment, consisting of the following text and the attached map constitutes Amendment No. 54 to the Town of Lindsay Official Plan.

E. Details of the Amendment

1. Schedule 'JC2' of the Town of Lindsay Official Plan is hereby amended by changing the land use designation from the 'Residential', 'Future Residential', 'Institutions and Community Facility', and 'General Commercial' designations to the 'Parks and Open Space' designation as shown on Map 'A' as 'Land to be Redesignated Parks and Open Space'; from the 'Institutions and Community Facility', 'Parks and Open Space', and 'Local Commercial' designations to the 'Residential' designation as shown on Map 'A' as 'Land to be Redesignated Residential'; from the 'Future Residential' designation to the 'Institutions and Community Facility' designation as shown on Map 'A' as 'Land to be Redesignated Institutions and Community Facility'; and from the 'General Commercial' designation to the 'Future Residential' designation as shown on Map 'A' as 'Land to be Redesignated Future Residential'.

F. Implementation and Interpretation

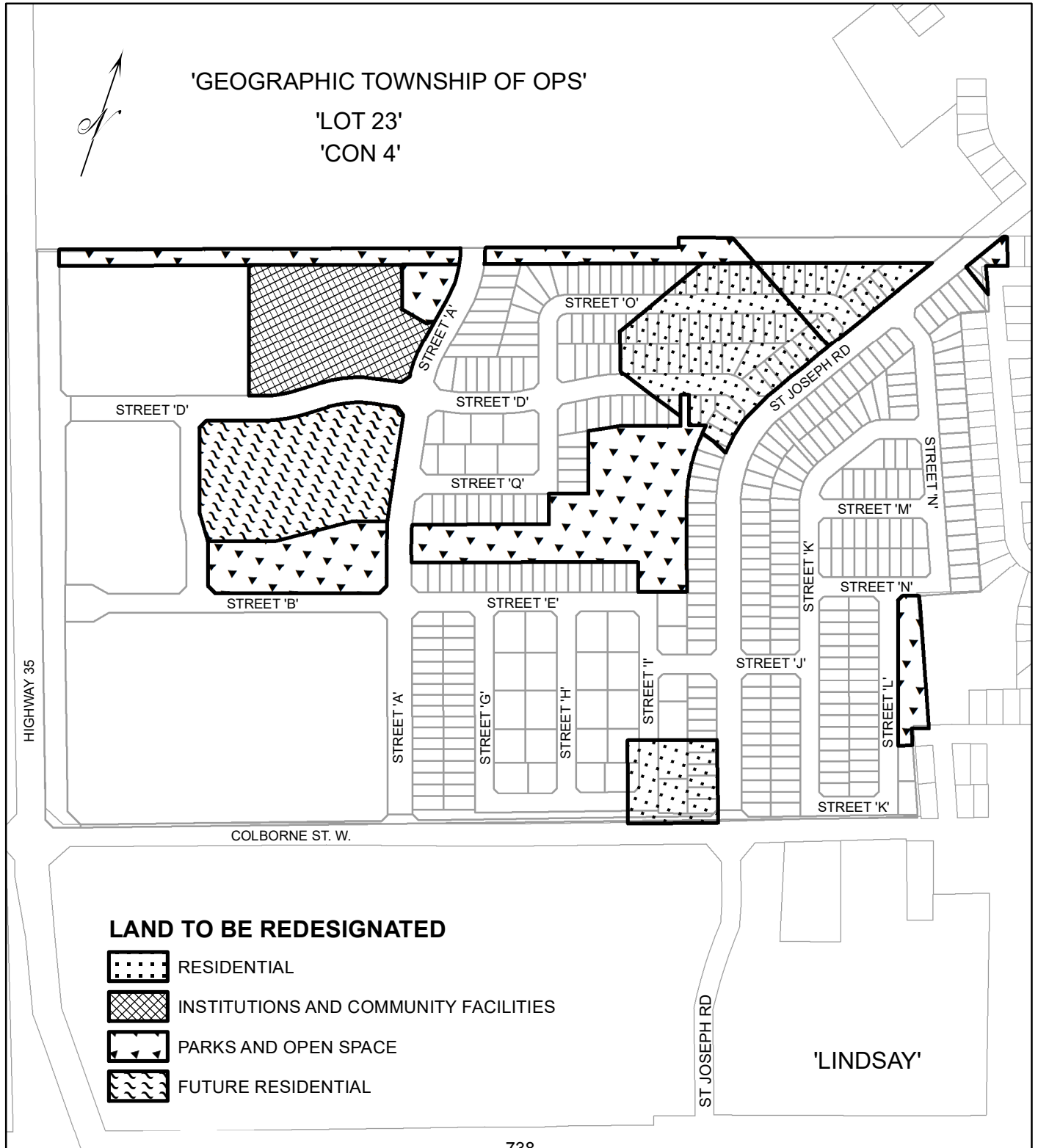
The implementation and interpretation of this amendment shall be in accordance with the relevant policies of the Official Plan.

THE CORPORATION OF THE CITY OF

KAWARTHA LAKES

Map 'A' to Amendment No. 54

To the Town of Lindsay Official Plan



The Corporation of the City of Kawartha Lakes

By-Law 2019 -

A By-Law To Amend The Township of Somerville Zoning By-Law No. 78-45 To Rezone Land Within The City Of Kawartha Lakes

File D06-2019-036, Report PLAN2019-066, respecting Part Lot 7 and 8, Concession 9, Part 1 on RP57R2522, geographic Township of Somerville, now City of Kawartha Lakes, identified as 466 Pinery Road - Alex Christianopoulos.

Recitals:

1. Section 34 of the Planning Act, R.S.O. 1990, c.P.13 authorizes Council to determine the appropriate zoning categories and provisions assigned to land.
2. Council has received an application to amend the category and provisions relating to a specific parcel of land for the Environmental Protection Exception Ten (EP-10) Zone to regulate the development on the land;
4. A public meeting to solicit public input has been held.
5. Council deems it appropriate to rezone the Property.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-__.

Section 1:00 Zoning Details

- 1.01 **Property Affected:** The Property affected by this by-law is described as Part Lot 7 and 8, Concession 9, Part 1 on RP57R2522, geographic Township of Somerville, now City of Kawartha Lakes.
- 1.02 **Schedule Amendment:** Schedule A to By-law No. 78-45 of the Township of Somerville is further amended to change the zone category from the Environmental Protection (EP) Zone to Environmental Protection Exception Ten (EP-10) Zone as shown on Schedule A attached to this By-law.
- 1.03 **Textual Amendment:** By-law No. 78-45 of the Township of Somerville is further amended to add the following to Section 7.3:
 - “10. Notwithstanding Subsection 7.1, on lands zoned EP-10 the following requirements shall apply:
 - a. the only permitted uses shall include:
 - i. one single detached dwelling,
 - ii. one storage building, and
 - iii. one dock
 - b. For the purposes of the EP-10 Zone, a storage building shall mean a private boat house.

Section 2:00 General Terms

- 2.01 **Effective Date:** This By-law shall come into force and take effect on the date it is finally passed, subject to the provisions of Section 34 of the Planning Act R.S.O. 1990, c.P.13.

By-law read a first, second and third time, and finally passed, this ** day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

THE CORPORATION OF THE CITY OF

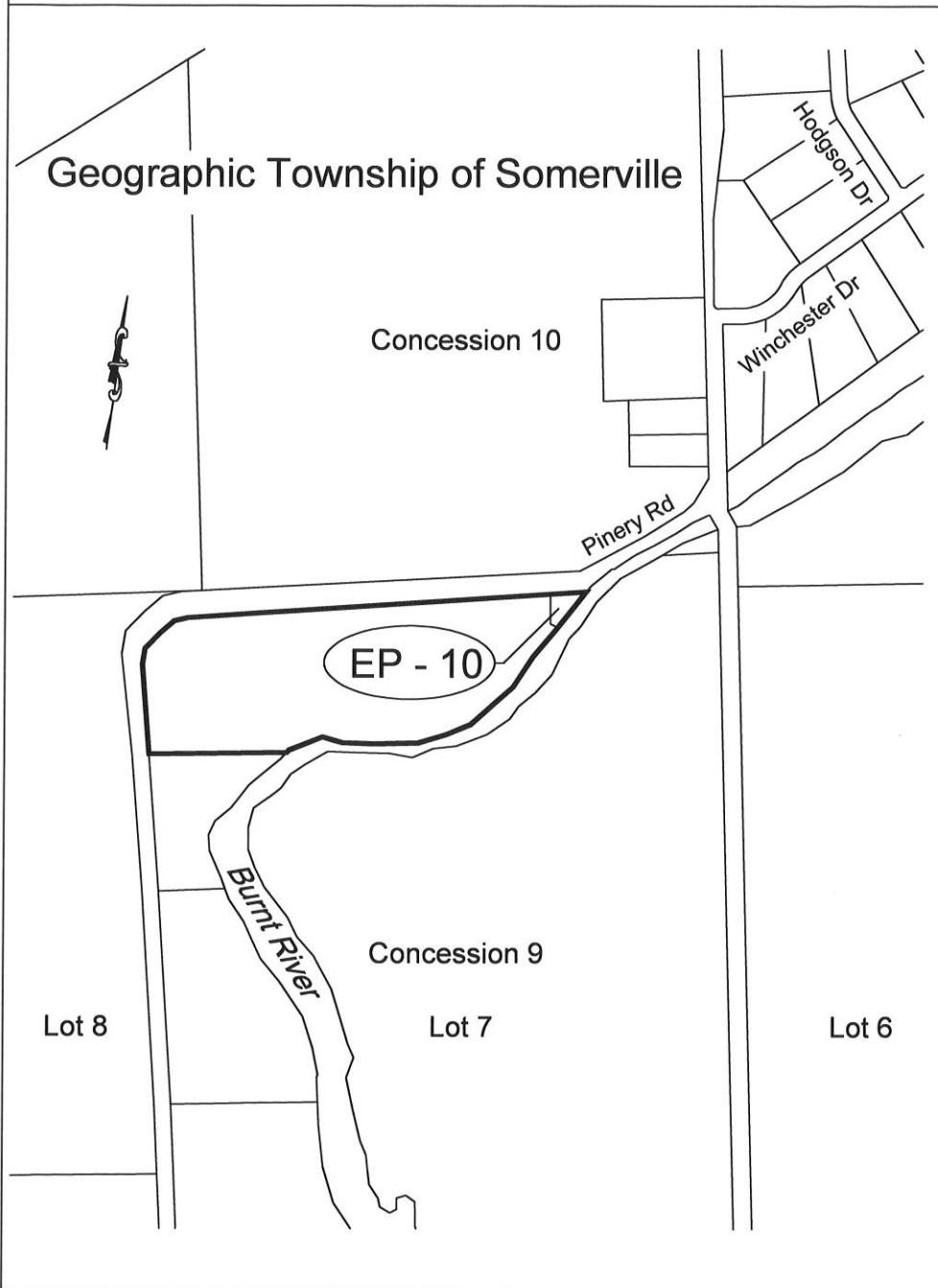
KAWARTHA LAKES

THIS IS SCHEDULE 'A' TO BY-LAW _____ PASSED

THIS _____ DAY OF _____ 2019.

MAYOR _____

CITY CLERK _____



The Corporation of the City of Kawartha Lakes

By-Law 2019 -

A By-Law To Amend The Village of Fenelon Falls Zoning By-Law No. 89-25 To Rezone Land Within The City Of Kawartha Lakes

[File D06-2019-032, Report PLAN2019-069, respecting Plan 100, Lots 124 to 126, former Village of Fenelon Falls, City of Kawartha Lakes, identified as 106 Murray Street – Kawartha Lakes Haliburton Housing Corporation]

Recitals:

1. Section 34 of the Planning Act, R.S.O. 1990, c.P.13 authorizes Council to determine the appropriate zoning categories and provisions assigned to land.
2. Section 36 of the Planning Act, R.S.O. 1990, c.P.13 authorizes Council to place a (H) Holding provision on any zoning category assigned to property. The purpose of the (H) Holding provision is to restrict the use of the property until conditions imposed by Council have been met.
3. The former Corporation of the Village of Fenelon Falls enacted By-law No. 94-15, which contained a (H) Holding provision relating to the use of the property.
3. Council has received an application to amend the categories and provisions relating to a specific parcel of land to revise an existing permitted use from a senior citizens apartment dwelling house to allow an apartment dwelling house and to remove the (H) Holding provision.
4. The conditions imposed by Council and shown in By-law No. 94-15 have been met.
5. A public meeting to solicit public input has been held.
6. Council deems it appropriate to rezone and to remove the (H) Holding provisions on the Property.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-__.

Section 1:00 Zoning Details

- 1.01 **Property Affected:** The Property affected by this by-law is described as Plan 100, Lots 124 to 126, former Village of Fenelon Falls, City of Kawartha Lakes.
- 1.02 **Textual Amendment:** By-law No. 89-25 of the Village of Fenelon Falls is further amended by revising Section 4.7.4.8 i. with the following:

4.7.4.8 R5-8 Zone

Notwithstanding any other provision of this By-law to the contrary, within the Residential Type Five Exception Eight (R5-8) Zone, as delineated on the Zone Map attached hereto as Schedule “A” and forming part of this By-law, no person shall use any land or erect, alter or use any building or structure except as specified hereunder, namely:

i. Permitted Uses

an apartment dwelling house containing a maximum of 30 apartment dwelling units together with such other accessory uses as normally considered incidental and subordinate thereto.

1.03 **Textual Amendment**: By-law No. 89-25 of the Village of Fenelon Falls is further amended by deleting Section 4.7.4.8 iv.

iv. Minimum Gross Floor Area Per Dwelling Unit

one bedroom apartment dwelling unit	48.5 square metres
two bedroom apartment dwelling unit	70 square metres

1.04 **Schedule Amendment**: Schedule ‘A’ to By-law No. 89-25 of the Village of Fenelon Falls is further amended to change the zone category from the Residential Type Five Exception Eight [R5-8 (H)] Holding Zone to the Residential Type Five Exception Eight (R5-8) Zone for the land referred to as ‘R5-8’, as shown on Schedule ‘A’ attached to this By-law.

Section 2:00 Effective Date

2.01 **Effective Date**: This By-law shall come into force and take effect on the date it is finally passed, subject to the provisions of Section 34 and Section 36 of the Planning Act R.S.O. 1990, c.P.13.

By-law read a first, second and third time, and finally passed, this ** day of ***, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

THE CORPORATION OF THE CITY OF

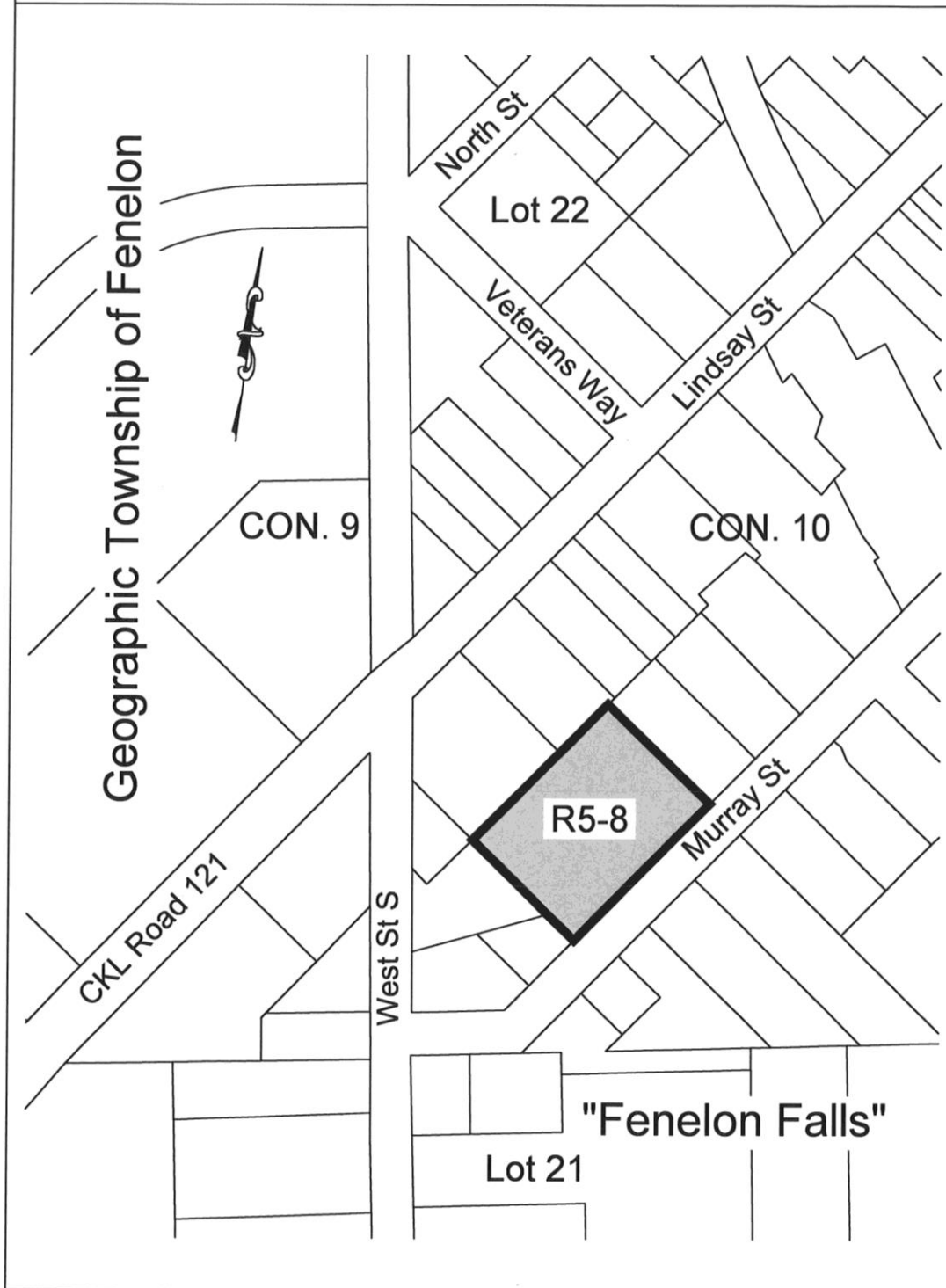
KAWARTHA LAKES

THIS IS SCHEDULE 'A' TO BY-LAW _____ PASSED

THIS _____ DAY OF _____ 2019.

MAYOR _____

CITY CLERK _____



The Corporation of the City of Kawartha Lakes

By-Law 2019 -

A By-Law To Amend The Township of Ops Zoning By-Law No. 93-30 To Rezone Land Within The City Of Kawartha Lakes

File D06-2019-023, Report PLAN2019-070, respecting Part Lot 22, Concession 7, Parts 1-3, 57R-10704, geographic Township of Ops, identified as 396 Highway 36 – Mike Redmond Septic Service Ltd.

Recitals:

1. Section 34 of the Planning Act, R.S.O. 1990, c.P.13 authorizes Council to determine the appropriate zoning categories and provisions assigned to land.
2. Council has received an application to amend the categories and provisions relating to a specific parcel of land to add a self-storage facility use to the list of permitted uses on the subject land.
3. A public meeting to solicit public input has been held.
4. Council deems it appropriate to rezone the Property.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-__.

Section 1:00 Zoning Details

1.01 **Property Affected:** The Property affected by this by-law is described as Part Lot 22, Concession 7, Parts 1-3, 57R-10704, geographic Township of Ops, City of Kawartha Lakes.

1.02 **Textual Amendment:** By-law No. 93-30 of the Township of Ops is further amended to add the following section to Section 10.3:

“10.3.17 Highway Commercial Exception Sixteen (CH-16) Zone

In addition to the permitted non-residential uses listed in Section 10.1.2, a mini-storage establishment is also a permitted use.”

1.03 **Textual Amendment:** By-law No. 93-30 of the Township of Ops is further amended to add the following definition to Section 19:

“Mini-Storage Establishment

A building containing separate, individual self-storage units divided from the floor to the ceiling by a wall with an independent entrance from the exterior of the building or from a common hallway, designed to be rented or leased on a

short-term basis to the general public for private storage of personal goods, materials and equipment.”

- 1.03 **Schedule Amendment:** Schedule ‘A’ to By-law No. 93-30 of the Township of Ops is further amended to change the zone category from Highway Commercial (CH) Zone to Highway Commercial Exception Sixteen (CH-16) Zone for the land referred to as ‘CH-16’, as shown on Schedule ‘A’ attached to this By-law.

Section 2:00 Effective Date

- 2.01 **Effective Date:** This By-law shall come into force and take effect on the date it is finally passed, subject to the provisions of Section 34 of the Planning Act R.S.O. 1990, c.P.13.

By-law read a first, second and third time, and finally passed, this ** day of ***, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

THE CORPORATION OF THE CITY OF

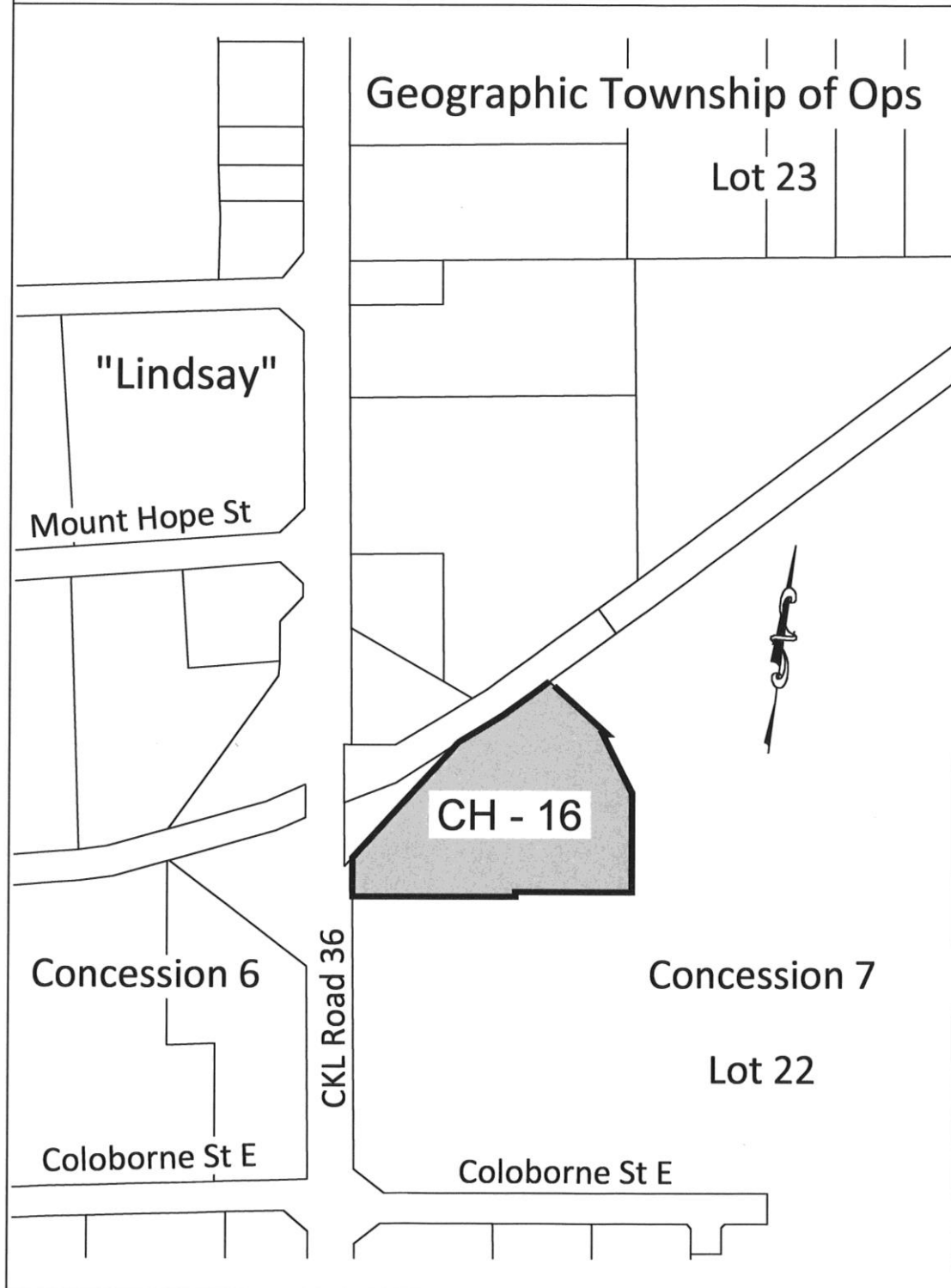
KAWARTHA LAKES

THIS IS SCHEDULE 'A' TO BY-LAW _____ PASSED

THIS _____ DAY OF _____ 2019.

MAYOR _____

CITY CLERK _____



The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-Law to Amend the City of Kawartha Lakes Official Plan to Re-designate Land within the City of Kawartha Lakes

File D01-2019-002, Report PLAN2019-070, respecting Part Lot 22, Concession 7, Parts 1-3, 57R-10704, geographic Township of Ops, identified as 396 Highway 36 - Mike Redmond Septic Service Ltd.

Recitals:

1. Sections 17 and 22 of the Planning Act, R.S.O. 1990, c. P.13, authorize Council to consider the adoption of an amendment to an Official Plan.
2. Council has received an application to amend the City of Kawartha Lakes Official Plan to add a special provision to the Highway Commercial designation to permit a self-storage facility use in addition to the other uses permitted within the Highway Commercial designation.
3. A public meeting to solicit public input has been held.
4. Council deems it appropriate to adopt Official Plan Amendment Number 33.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2018-***.

Section 1:00 Official Plan Amendment Details

- 1.01 **Property Affected:** The property affected by this By-law is described as Part Lot 22, Concession 7, Parts 1-3, 57R-10704, geographic Township of Ops, now in the City of Kawartha Lakes, identified as 396 Highway 36.
- 1.02 **Amendment:** Amendment No. 33 to the City of Kawartha Lakes Official Plan, attached hereto as Schedule 'A' and forming a part of this By-law is hereby adopted.

Section 2:00 Effective Date

- 2.01 **Force and Effect:** This By-law shall come into force and take effect on the date it is finally passed, subject to the approval of the City of Kawartha Lakes in accordance with the provisions of Section 17 and 22 of the Planning Act, R. S. O. 1990, c. P.13.

By-law read a first, second and third time, and finally passed, this ** day of _____,
2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

Schedule 'A' to By-law No. 2019-***

The Corporation of the City of Kawartha Lakes

Amendment No. 33 To The Official Plan – The City of Kawartha Lakes

Part A – The Preamble

A. Purpose

The purpose of the Official Plan Amendment is to create a special policy which would permit a self-storage facility use within the Highway Commercial designation in addition to the other permitted Highway Commercial uses. The land is also subject to an application for zoning by-law amendment.

The effect of the change would permit the operation of a self-storage facility use on the property in conjunction with other highway commercial uses.

B. Location

The subject land has a lot area of approximately 17,500 square metres and is known legally as Part Lot 22, Concession 7, Parts 1-3, 57R-10704, geographic Township of Ops, now City of Kawartha Lakes and identified as identified as 396 Highway 36.

C. Basis

Council has enacted this Official Plan Amendment in response to an application submitted by Clark Consulting Services on behalf of the owner, Mike Redmond Septic Service Ltd. to add a self-storage facility use to the permitted list of uses. It is intended that a special policy be incorporated into the City of Kawartha Lakes Official Plan to facilitate the addition of this permitted use.

The land is designated Highway Commercial and Environmental Protection as shown on Schedule A-3, of the City of Kawartha Lakes Official Plan. The land is also subject to an application for zoning by-law amendment.

The proposed use and amendment to the City of Kawartha Lakes Official Plan are justified and represent good planning for the following reasons:

1. The proposed use conforms to relevant provincial policy documents being the Growth Plan for the Greater Golden Horseshoe and is consistent with the Provincial Policy Statement.
2. The proposed use conforms to the goals and objectives of the Highway Commercial designation as set out in the City of Kawartha Lakes Official Plan.
3. The proposed use is compatible and integrates well with the surrounding area.

4. The applicant has submitted background reports and documentation to demonstrate the appropriateness of the proposed use with respect to site servicing and the protection of the environment and the Kawartha Region Conservation Authority is satisfied with the proposal.

Part B - The Amendment

D. Introductory Statement

All of this part of the document entitled Part B – The Amendment, consisting of the following text and the attached Map ‘A’ constitutes Amendment No. 33 to the City of Kawartha Lakes Official Plan.

E. Details of the Amendment

The Official Plan for the City of Kawartha Lakes is hereby amended as follows:

1. **21.3 Special Provisions:**
 - “21.3.3. On land designated Highway Commercial on Part of Lot 22, Concession 7, Parts 1-3, 57R-10704, in the geographic Township of Ops, a self-storage establishment is a permitted use in addition to the uses listed in Section 21.2.1.”
2. Schedule ‘A-3’ of the City of Kawartha Lakes Official Plan is hereby amended by inserting a note that the lot is subject to Special Policy 21.3.3 of the Official Plan, as shown on Map ‘A’ as ‘Subject to Special Provision 21.3.3’.

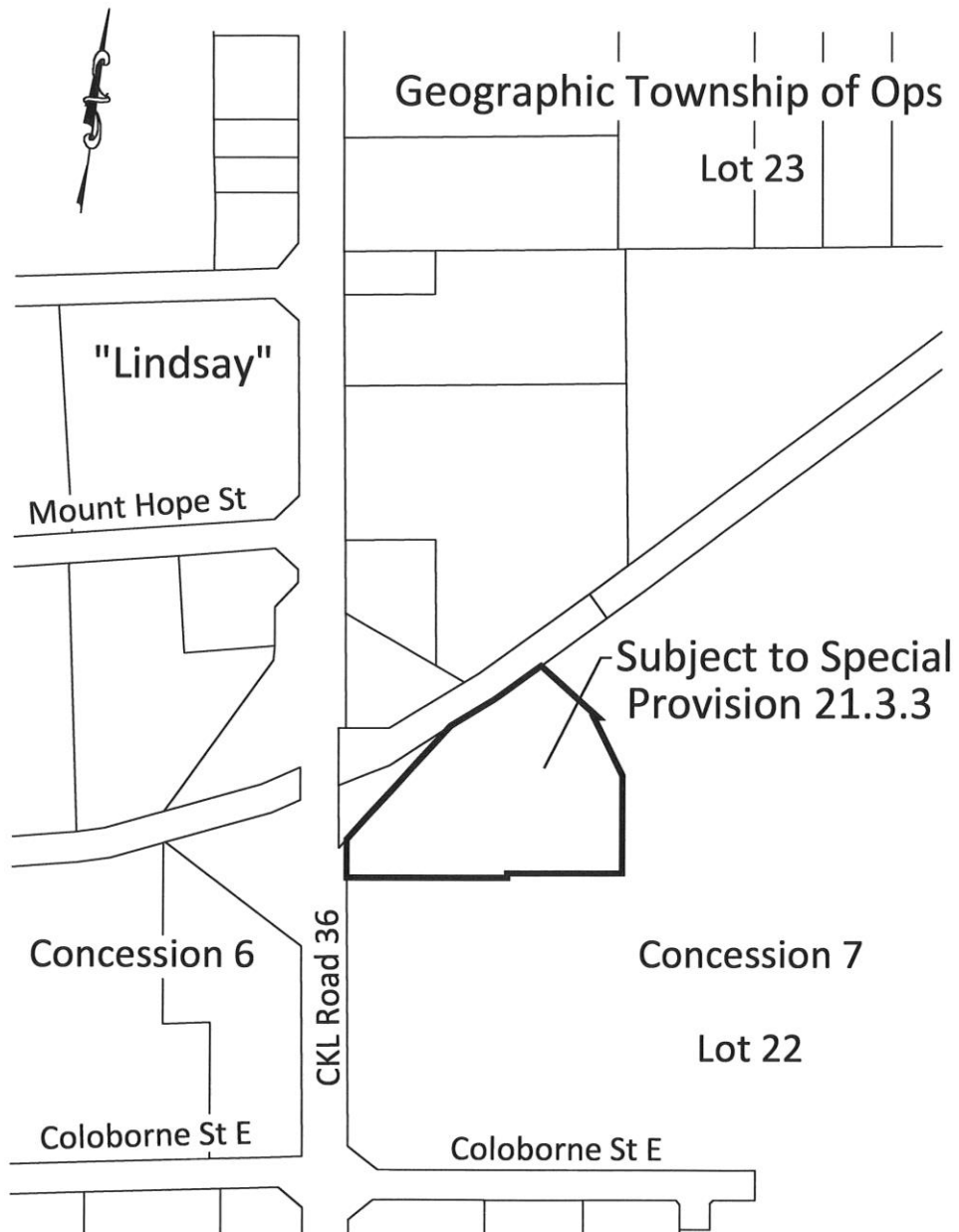
F. Implementation and Interpretation

The implementation and interpretation of this amendment shall be in accordance with the relevant policies of the Official Plan.

THE CORPORATION OF THE CITY OF

KAWARTHA LAKES

Map 'A' to Amendment No. 33
to the City of Kawartha Lakes Official Plan



The Corporation of the City of Kawartha Lakes

By-Law 2019 -

A By-Law To Amend The Township of Verulam Zoning By-Law Number 6-87 To Rezone Land Within The City Of Kawartha Lakes

File D06-2019-033, Report PLAN2019-071, respecting Part Lot 10, Concession 3, Behind Plan 145, Lots 7 and 8, geographic Township of Verulam, City of Kawartha Lakes, identified as land behind 19 and 21 Kenhill Beach Road - Lamanna and Hartley

Recitals:

1. Section 34 of the Planning Act, R.S.O. 1990, c.P.13 authorizes Council to determine the appropriate zoning categories and provisions assigned to land.
2. Council has received an application to amend the categories and provisions relating to a specific parcel of land to (1) permit it to be subdivided into two parcels that can be individually owned by 19 and 21 Kenhill Beach Road, (2) allow the two parcels to be used accessory to the dwellings across the road at 19 and 21 Kenhill Beach Road and (3) establish applicable development standards on the two parcels for the residential accessory uses.
3. A public meeting to solicit public input has been held.
4. Council deems it appropriate to rezone the Property.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-__.

Section 1:00 Zoning Details

1.01 **Property Affected:** The Property affected by this by-law is described as Part Lot 10, Concession 3, Behind Plan 145, Lots 7 and 8, geographic Township of Verulam, City of Kawartha Lakes.

1.02 **Textual Amendment:** By-law Number 6-87 of the Township of Verulam is further amended to add the following section to Section 8.3:

8.3.27 Residential Type One (R1-27) Zone

Notwithstanding the definition of Accessory, General Provisions Sections 5.1.2, 5.1.3, 5.1.4, and R1 Zone Sections 8.1 and 8.2, the following definitions, uses and provisions apply:

8.3.27.1 R1-27 DEFINITIONS

“Accessory”, when used to describe a use, building or structure, means a use, a building or a structure that is incidental subordinate and exclusively devoted to a main use,

building or structure located on an adjacent developed residential lot with water frontage.

8.3.27.2 R1-27 USES PERMITTED

- a. Accessory uses
- b. Neighbourhood park or parkette

8.3.27.3 R1-27 PROVISIONS

- a. Minimum Lot Area 700 square metres
- b. Minimum Lot Frontage 22 metres
- c. Minimum Front Yard Depth 12 metres
- d. Minimum Interior Side Yard Depth 1.2 metres
- e. Minimum Rear Yard Depth 1.2 metres
- f. Minimum Landscaped Open Space 30%
- g. Maximum Lot Coverage 22.5 %
- h. Maximum Number of Accessory Buildings 2
- i. Minimum Spatial Separation Between Accessory Buildings 1.2 metres

- 1.03 **Schedule Amendment:** Schedule 'A' to By-law Number 6-87 of the Township of Verulam is further amended to change the zone category from Residential Type One (R1) Zone to Residential Type One Exception Twenty-Seven (R1-27) Zone for the land referred to as 'R1-27', as shown on Schedule 'A' attached to this By-law.

Section 2:00 Effective Date

- 2.01 **Effective Date:** This By-law shall come into force and take effect on the date it is finally passed, subject to the provisions of Section 34 of the Planning Act R.S.O. 1990, c.P.13.

By-law read a first, second and third time, and finally passed, this ** day of ***, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

THE CORPORATION OF THE CITY OF

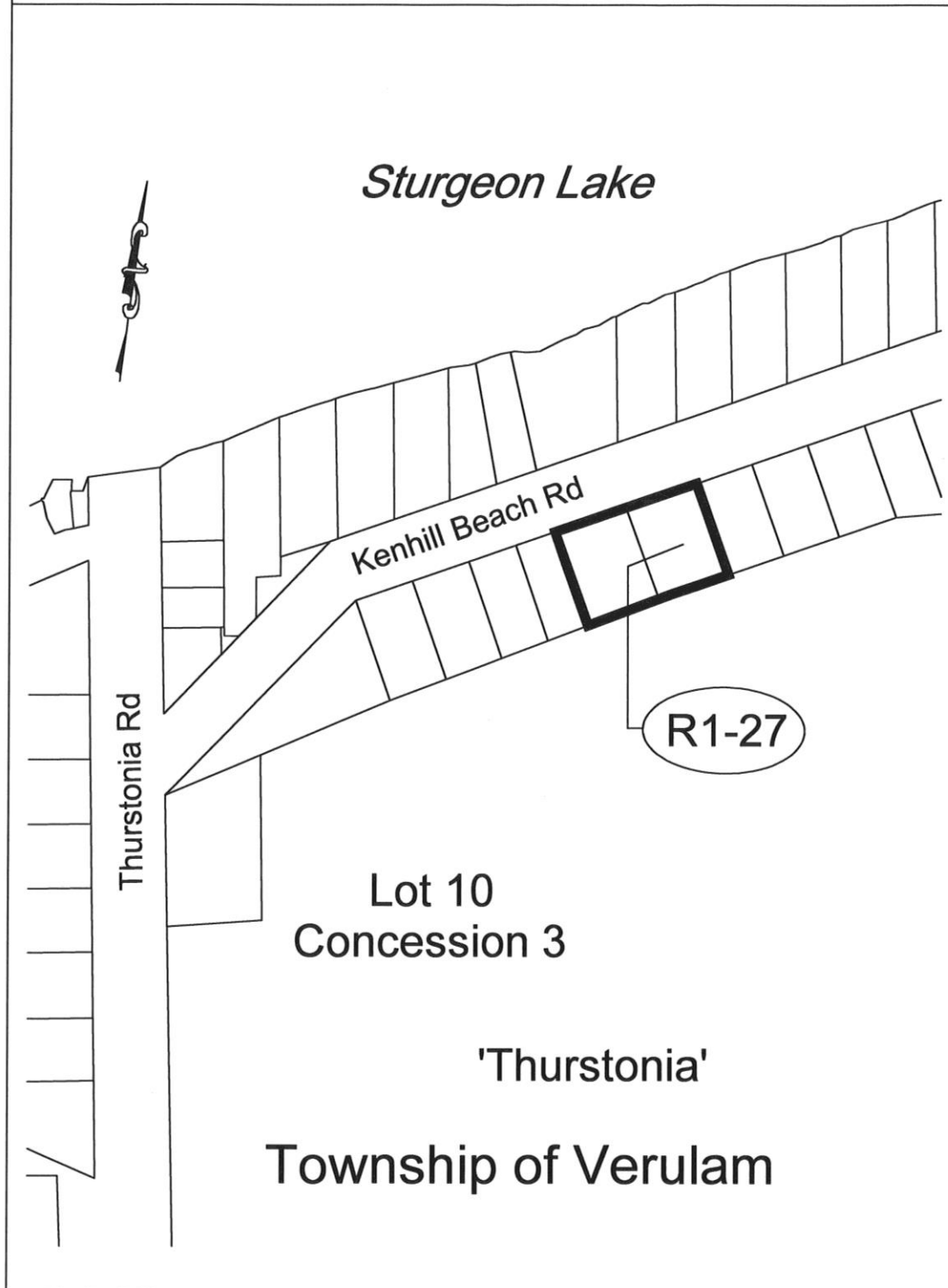
KAWARTHA LAKES

THIS IS SCHEDULE 'A' TO BY-LAW _____ PASSED

THIS _____ DAY OF _____ 2019.

MAYOR _____

CITY CLERK _____



The Corporation of the City of Kawartha Lakes

By-Law 2019 -

A By-Law To Amend The Township of Fenelon Zoning By-Law No. 12-95 To Rezone Land Within The City Of Kawartha Lakes

File D06-2019-034, Report PLAN2019-074, respecting Part Lot 31, Concession 11, geographic Township of Fenelon, identified as 467 Northline Road – Hughes

Recitals:

1. Section 34 of the Planning Act, R.S.O. 1990, c.P.13 authorizes Council to determine the appropriate zoning categories and provisions assigned to land.
2. Council has received an application to amend the categories and provisions relating to a specific parcel of land to permit the use of the land for a second dwelling unit within the existing dwelling to be used as an accessory dwelling unit.
3. A public meeting to solicit public input has been held.
4. Council deems it appropriate to rezone the Property.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-__.

Section 1:00 Zoning Details

- 1.01 **Property Affected:** The Property affected by this by-law is described as Part Lot 31, Concession 11, being Part 2, Plan 57R-2347, geographic Township of Fenelon, City of Kawartha Lakes, and identified as 467 Northline Road.
- 1.02 **Textual Amendment:** By-law No. 12-95 of the Township of Fenelon is further amended to add the following section to Section 8.3:
 - “8.3.25 AGRICULTURAL EXCEPTION TWENTY-FIVE (A1-25) ZONE
 - 8.3.25.1 Notwithstanding subsection 3.18.2.1 and subsection 8.2.1.7, on lands zoned A1-25, a converted dwelling is also permitted with a maximum density of two (2) dwelling units.
 - 8.3.25.2 Notwithstanding subsection 8.2.1.7, the minimum gross floor area per dwelling unit shall be 49 sq. m.”
- 1.03 **Schedule Amendment:** Schedule ‘A’ to By-law No. 12-95 of the Township of Fenelon is further amended to change the zone category from the Agricultural (A1) Zone to the Agricultural Exception Twenty-Five (A1-25) Zone for the land referred to as ‘A1-25’, as shown on Schedule ‘A’ attached to this By-law.

Section 2:00 Effective Date

- 2.01 **Effective Date**: This By-law shall come into force and take effect on the date it is finally passed, subject to the provisions of Section 34 of the Planning Act, R.S.O. 1990, c.P.13.

By-law read a first, second and third time, and finally passed, this ** day of ***, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

THE CORPORATION OF THE CITY OF

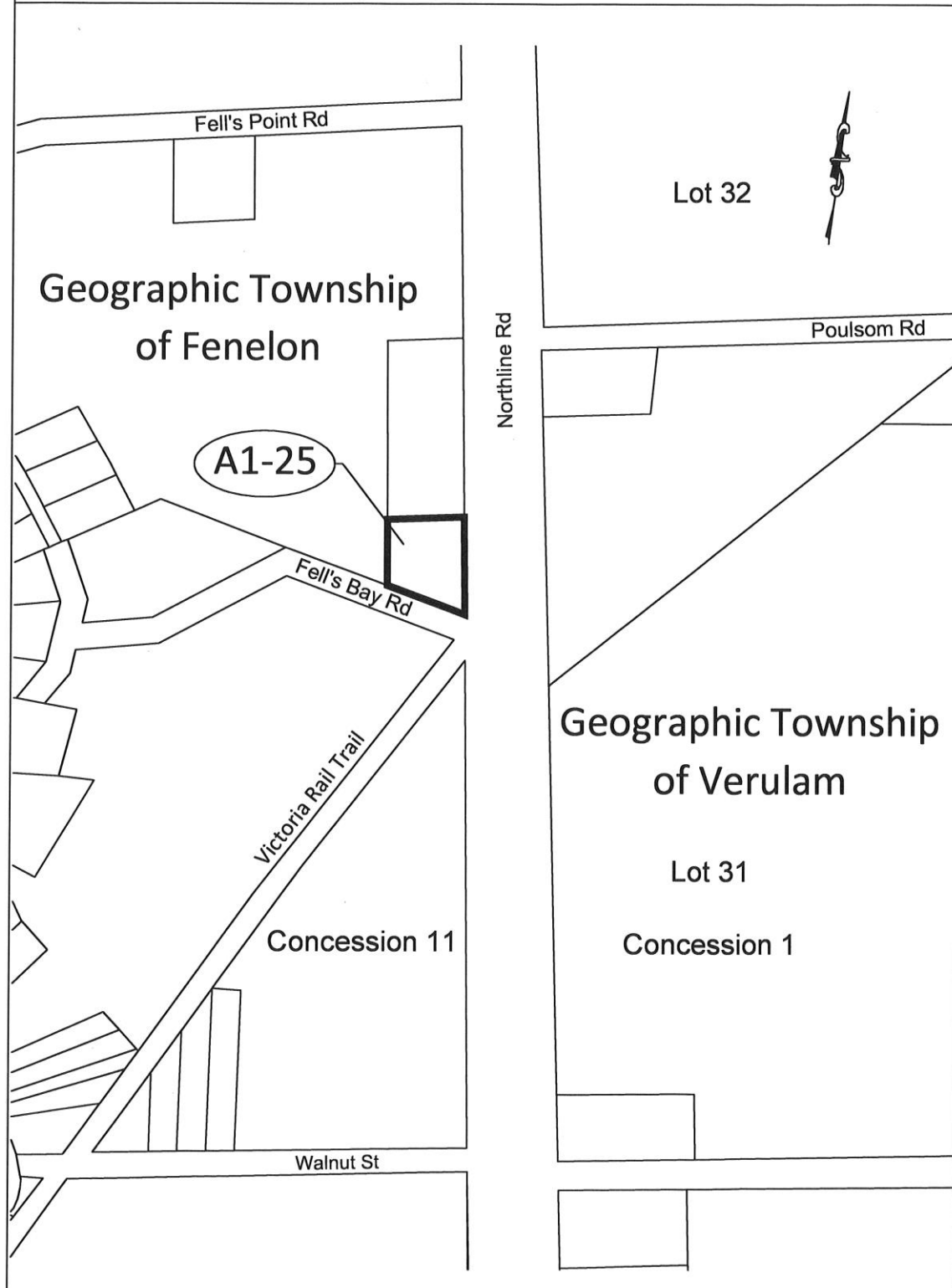
KAWARTHA LAKES

THIS IS SCHEDULE 'A' TO BY-LAW _____ PASSED

THIS _____ DAY OF _____ 2019.

MAYOR _____

CITY CLERK _____



The Corporation of the City of Kawartha Lakes

By-Law 2019 -

A By-Law To Amend The Township of Eldon Zoning By-Law No. 94-14 To Rezone Land Within The City Of Kawartha Lakes

[File D06-2019-004, Report PLAN2019-062, respecting Part Lots 30, 31, and 32, Concession 1, geographic Township of Eldon, identified as vacant land Rohallion Road – 676249 Ontario Ltd]

Recitals:

1. Section 34 of the Planning Act, R.S.O. 1990, c.P.13 authorizes Council to determine the appropriate zoning categories and provisions assigned to land.
2. Council has received an application to amend the categories and provisions relating to a specific parcel of land to permit an explosives storage facility on the subject land.
3. A public meeting to solicit public input has been held.
4. Council deems it appropriate to rezone the Property.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-__.

Section 1:00 Zoning Details

- 1.01 **Property Affected:** The Property affected by this by-law is described as Part Lots 30, 31, and 32, Concession 1, geographic Township of Eldon, City of Kawartha Lakes.
- 1.02 **Textual Amendment:** By-law No. 94-14 of the Township of Eldon is further amended to add the following section to Section 7.3:
 - “7.3.30 Agricultural Exception Thirty (A1-30) Zone
 - 7.3.30.1 In addition to the uses permitted in Section 7.1, an explosives storage facility, including associated office space, magazines and storage uses, as licensed under appropriate Federal explosives legislation and regulation shall also be permitted on lands zoned A1-30.
 - 7.3.30.2 On land zoned A1-30, the removal of the (H) Symbol shall require that the owner enter into a site plan agreement with the City for any development on land zoned A1-30.”
- 1.03 **Schedule Amendment:** Schedule ‘A’ to By-law No. 94-14 of the Township of Eldon is further amended to change the zone category from the Agricultural (A1) Zone to the Agricultural Exception Thirty - Holding [A1-30 (H)] Zone for the

land referred to as A1-30 (H), as shown on Schedule 'A' attached to this By-law.

Section 2:00 Effective Date

- 2.01 **Effective Date**: This By-law shall come into force and take effect on the date it is finally passed, subject to the provisions of Sections 34 and 36 of the Planning Act R.S.O. 1990, c.P.13.

By-law read a first, second and third time, and finally passed, this ** day of ***, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

THE CORPORATION OF THE CITY OF

KAWARTHA LAKES

THIS IS SCHEDULE 'A' TO BY-LAW _____ PASSED

THIS _____ DAY OF _____ 2019.

MAYOR _____

CITY CLERK _____

Township of Ramara

Mara-Carden Boundary Rd

Geographic Township of Carden

Concession 1

Cranberry Lake Rd

Lot 2

Concession 2

Lot 1

Rohallion Rd

Lot 32

A1 - 30 (H)

Bolsover Rd

Lot 31

Lot 30

Lot 29

Geographic Township of Eldon

The Corporation of the City of Kawartha Lakes

By-law 2019-XXX

A By-law to Assume Liam Street, Plan 383, (PIN:63205-0528) and Newton Avenue, Plan 383, (PIN: 63205-0536), previously dedicated and conveyed to the municipality upon the registration of Plan 383, and to Dedicate and Assume Maloney Street, Plan 383, (PINs: 63205-0855, 63205-0857, and 63205-0859) and associated 0.3 metre reserve (PIN: 63205-0856), and more specifically described as Parts 28, 31, 32, and 33, Plan 57R-9054, and Road Widenings as part of Liam Street, Plan 383, (PINs: 63205-0841, 63205-0843, 63205-0845, 63205-0847, 63205-0849, 63205-0851, and 63205-0853), more specifically described as Parts 1 to 12, inclusive, Plan 57R-9889, Plan 383, and Road Widenings as part of Angeline Street, (PINs: 63205-0861 and 63205-0864), more specifically described as Blocks A and B, respectively, Plan 383, and the associated 0.3 metre reserves, (PINs: 63250-0492 and 63205-0830), Plan 383, Geographic Township of Ops, The Corporation of the City of Kawartha Lakes

Recitals

1. Subsection 31(4) of the *Municipal Act, 2001* authorizes Council to assume unopened road allowances or road allowances shown on registered plans of subdivision for public use, by by-law.
2. Council now deems it desirable to assume Liam Street, Newton Avenue, and to dedicate and assume Maloney Street and associated 0.3 metre reserve and Liam Street widenings, and Angeline Street widenings and associated 0.3 metre reserves, Plan 383, Geographic Township of Ops, the Corporation of the City of Kawartha Lakes as public highways in the City of Kawartha Lakes.
3. Council now deems it desirable to assume the Stormwater Management Facility (Oil and Grit Separator), located on an easement at the east end of Liam Street, Plan 383, Geographic Township of Ops, in the City of Kawartha Lakes.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-XXX.

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes.

“City Clerk” means the person appointed by Council to carry out the duties of the clerk described in section 228 of the Municipal Act, 2001;

“Council” or “City Council” means the municipal council for the City.

1.02 Interpretation Rules:

(a) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

1.03 Statutes: References to laws in this by-law are meant to refer to the statutes, as amended from time to time, which are applicable within the Province of Ontario.

1.04 Severability: If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

Section 2.00: Assumption of Services

2.01 Assumption: The following highways are assumed by the City:

- a) The road known as Liam Street, Plan 383, Geographic Township of Ops, City of Kawartha Lakes
- b) The road known as Newton Avenue, Plan 383, Geographic Township of Ops, City of Kawartha Lakes

2.02 Assumption: The following facility is assumed by the City:

- a) The stormwater management facility – oil and grit separator located in the registered easement at the east end of Liam Street, Plan 383, Geographic Township of Ops, City of Kawartha Lakes

Section 3.00: Highway Dedication and Assumption

3.01 Dedication and Assumption: The following lands are to be dedicated as highway and assumed by the City:

- a) The road known as Maloney Street, Plan 383, Geographic Township of Ops, City of Kawartha Lakes
- b) The 0.3 metre reserve associated with Maloney Street, Plan 383, Geographic Township of Ops, City of Kawartha Lakes
- c) The road widenings known as Liam Street, Plan 383, Geographic Township of Ops, City of Kawartha Lakes
- d) The road widenings known as Angeline Street, Plan 383, Geographic Township of Ops, City of Kawartha Lakes
- e) The 0.3 metre reserves associated with the Angeline Street road widenings, Plan 383, Geographic Township of Ops, City of Kawartha Lakes

Section 4.00: Effective Date

4.01 **Effective Date**: This By-law shall come into force on the date it is finally passed.

By-law read a first, second and third time, and finally passed, this XX day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-Law 2019-XXX

A By-Law to Impose Development Charges in the City of Kawartha Lakes

Recitals:

1. The City of Kawartha Lakes will experience growth through development requiring the provision of infrastructure and other capital-related services by the City, and intends to recover from development the costs of such services to the extent permitted by law or as otherwise considered advisable by Council.
2. Subsection 2(1) of the Development Charges Act, S.O. 1997 Chap. 27 (hereinafter, the "Act") provides that the council of a municipality may by by-law impose development charges against land to pay for increased capital costs required because of increased needs for services arising from the development of the area to which the by-law applies.
3. A draft of the report entitled "2019 Development Charges Background Study" (hereinafter, the "study") prepared by Watson and Associates Economists Limited (hereinafter, "Watson") and a draft proposed development charges by-law (hereinafter, the "proposed by-law") prepared by the Manager of Corporate Assets, were both dated and made publicly available on October 7, 2019.
4. Council held a public meeting regarding the study and proposed by-law on November 5, 2019, and sufficient public notice of the meeting was given by the City.
5. On November 29, 2019, Watson issued an addendum to the study and the Manager of Corporate Assets revised the proposed by-law, and the resulting amended study and revised proposed by-law were made publicly available on December 4, 2019.
6. Having reviewed the amended study and revised proposed by-law, Council has adopted the amended study and has determined that no further public meetings are required on these documents.
7. Having adopted the amended study, including the growth-related capital needs referred to therein, Council has thereby indicated its intention to ensure the increase in need for services attributable to anticipated development is met, and has further indicated its intention to recover the costs of the committed and future excess capacity identified in the study through development charges or other similar charges.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-Law 2019-XXX.

1 Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“accessory use” means a use of land, a building or a structure which is naturally and normally incidental and subordinate in purpose and or floor area, and exclusively devoted to, the principal use of such land, building or structure;

“Act” means the Development Charges Act, S.O. 1997, Chap. 27, as amended, or any successor thereof;

“agricultural” means non-residential lands, buildings or structures or any part thereof used, designed or intended solely for farming, apiaries, fish farming, animal husbandry or the cultivation of trees, shrubs, flowers, grains, sod, fruits, vegetables and other crops or ornamental plants, or similar agrarian activity, on land of at least three (3) hectares in area, and includes barns, implement sheds, seasonal roadside stands and silos but does not include processing or year-round wholesale or retail facilities;

“agricultural development charges” means development charges pertaining to agricultural development as determined in the Development Charges Background Study but subject to the same indexation to which development charges set out in Schedules 1 and 2 to this by-law are subject pursuant to this by-law;

“apartment dwelling unit” means a stacked dwelling unit or any dwelling unit within a dwelling:

- (a) containing three (3) or more dwelling units whereby access to each dwelling unit is obtained through one or more common entrances from the outside and the dwelling units are connected by one or more interior corridors; or
- (b) attached to a non-residential building or structure whereby the dwelling unit is not a single-detached, semi-detached or row dwelling unit and would otherwise constitute a multiple dwelling unit;

“Assessment Act” means the Assessment Act, R.S.O. 1990, Chap. A.31, as amended, or any successor thereof;

“bedroom” means, within a dwelling unit, a habitable room of less than seven (7) square metres of floor area, including a den, study or other similar area, but does not include a bathroom, living room, dining room or kitchen;

“benefiting area” means an area defined by map, geography, plan or legal description in a front-ending agreement or as established by Council through resolution or by by-law as an area in which development receives or will receive a benefit from the emplacement of municipal capital infrastructure;

“board of education” has the same meaning as set out in the Education Act, R.S.O. 1990, Chap. E.2, as amended, or any successor thereof;

“Building Code Act” means the Building Code Act, S.O. 1992, Chap. 23, as amended, or any successor thereof;

“building permit” or **“permit”** means a permission or authorization given in writing by the Chief Building Official for the construction or demolition of a building or structure, or part thereof, as defined in subsection 1(1) of the Building Code Act;

“capital charge” means a charge, fee or similar levy or cost recovery mechanism imposed on owners by the City pursuant to sections 390-400, inclusive, of the Municipal Act;

“capital cost” means capital costs as defined in subsection 5(3) of the Act incurred or proposed to be incurred by the City, or a local board thereof, directly or by others on behalf of and as authorized by the City or local board;

“Chief Building Official” means the person appointed by Council to discharge the duties of the chief building official pursuant to the Building Code Act;

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

“City Treasurer” means the person appointed by Council to discharge the duties of the treasurer described in section 286 of the Municipal Act;

“commercial” means non-residential lands, buildings or structures or any part thereof used, designed or intended to facilitate the buying or selling of commodities or services, including those related to self-service and other storage facilities, hotels, inns, motels and boarding, lodging, rooming houses and recreational lodging and all those that are non-residential in nature but excluded from all other types of non-residential land, structures and buildings otherwise defined in this by-law;

“Condominium Act” means the Condominium Act, S.O. 1998, Chap.19, as amended, or any successor thereof;

“construction” means the erection, installation, extension or material alteration or repair of a building or structure and includes the installation of a building unit, such as a repurposed shipping container, that is relocated or fabricated;

“Council” or “City Council” means the municipal council for the City;

“demolition” means the deconstruction or removal of a building or structure or any material part thereof;

“development” means the construction, erection or placing of one or more buildings or structures on land or the making of an addition or alteration to a building or structure that has the effect of increasing the size or usability thereof, and includes redevelopment which in turn includes demolition and or conversion of use;

“development charge” means a charge imposed pursuant to this by-law, or a predecessor thereof as context requires;

“Development Charges Background Study” means the most recent study, or successor thereof, as approved by or otherwise prepared for Council, undertaken by or on behalf of the City that satisfies or is intended to satisfy section 10 of the Act;

“development charge reserve fund” means a fund of the City established pursuant to section 33 of the Act;

“dwelling” means a residential building or structure, or part thereof, occupied or capable of being occupied as a home, residence or domestic establishment or habitat of some kind, but does not include motels, hotels, tents, truck campers, tourist trailers, mobile camper trailers or boarding, lodging or rooming houses of any kind;

“dwelling unit” means any part, which may include the entirety of, a dwelling used, designed or intended to be used exclusively by one person or two or more cohabitating persons;

“electricity generation” means non-residential lands, buildings or structures that are not of an accessory use and that:

- (a) form, support or accommodate a system or utility used, designed or intended to convert wind, solar, biomass, coal, natural gas, waste, water flow or other form of energy into electricity and feed it into the general electricity grid, and includes such systems or utilities that participate or are intended to participate in the Independent Electricity System Operator’s Feed-In Tariff Program, or successor thereof, or similar program; and
- (b) constitute development whereby gross floor area is inapplicable, indeterminate or otherwise unrepresentative of the scale of the development, as determined by the Chief Building Official;

“existing development” means development that exists as of the time this by-law comes into force;

“existing industrial building” has the same meaning as that set out in the Act;

“general service area” means all land within the corporate boundaries of the City of Kawartha Lakes;

“gross floor area”, as determined by the Chief Building Official, means:

- (a) in the case of a residential building or structure, the total area of all building floors above grade of a dwelling unit measured between the outside surfaces of exterior walls or between the outside surfaces of exterior walls and the centre line of party walls dividing the dwelling unit from any other dwelling unit or other portion of a building; and
- (b) in the case of a non-residential building or structure, or in the case of a mixed-use building or structure in respect of the non-residential portion thereof, the total area of all building floors above or below grade measured between the outside surfaces of the exterior walls, or between the outside surfaces of exterior walls and the centre line of party walls dividing a non-residential use and a residential use;

“industrial” means non-residential lands, buildings or structures or any part thereof used, designed or intended for manufacturing, processing, fabricating, electricity generation, assembly of raw goods, warehousing or bulk storage of goods, and accessory uses thereof, but does not include buildings or structures used for selling commodities to the general public through a warehouse club;

“institutional” means non-residential lands, buildings or structures or any part thereof used, designed or intended for any non-profit organization, group or association for the promotion of charitable, educational or benevolent objectives, and includes post-secondary institutions, nursing homes and non-profit clubs;

“local board” means a school board, public utility, commission, public library board, board of park management, local board of health, board of commissioners of police, planning board, or any other board, commission, committee, body or local authority established or exercising any power or authority under any legislation with respect to any of the affairs or purposes, including school purposes, of the City of Kawartha Lakes;

“local services” means those services, facilities or things that are:

- (a) under the jurisdiction of the City and related to a plan of subdivision, or within the area to which the plan relates, to which sections 41, 51 or 53 of the Planning Act pertain; and
- (b) those services to which section 59 of the Act pertains;

“Manager of Corporate Assets” means the person who holds that position and his or her delegate(s) or, in the event of organizational changes, another person designated by Council;

“multiple dwelling unit” means any dwelling unit, other than single-detached, semi-detached, row and apartment dwelling units, within a dwelling, and includes any dwelling unit not otherwise defined herein;

“Municipal Act” means the Municipal Act, 2001, S.O. 2001, Chap. 25, as amended, or any successor thereof;

“municipal housing dwelling unit” means a dwelling unit that is part of or intended to be part of a municipal housing project facility as defined in City of Kawartha Lakes By-Law 2006-262 (Consolidated Municipal Housing Facilities By-Law), as amended, or any successor thereof;

“municipal service” means a municipal service provided by or on behalf of the City and designated in subsection 2.01 of this by-law;

“nameplate generating capacity”, “nameplate capacity” or “plated capacity” means, in respect of electricity generation development, the maximum rated continuous load-carrying capability to generate electricity, expressed in kilowatts (KW), as verified, if applicable, by the Electrical Safety Authority or any successor thereof or similar regulating authority;

“non-residential” means lands, buildings or structures or any part thereof used, designed or intended for a use that is not a residential use;

“Northwest Lindsay Development Area” means the benefitting area in respect of the Northwest Sanitary Sewer Works Capital Charge, as indicated in Schedule 3 to this by-law;

“Northwest Sanitary Sewer Works Capital Charge” means the capital charge imposed pursuant to City of Kawartha Lakes By-Law 2015-151 (Northwest Sanitary Sewer Capital Charge), as amended, or any successor thereof;

“owner” means the owner of land, or successor thereof, or a person who has made application for an approval for the development of land upon which development charges are or are to be imposed;

“park model trailer” means a CAN/CSA-Z241 Series-03 (R2013) recreational trailer as defined by the Standards Council of Canada, or successor thereof, that is constructed and certified in accordance with this standard and that is built on a single chassis, designed to be relocated from time to time and designed exclusively for seasonal residential use;

“Planning Act” means the Planning Act, R.S.O. 1990, Chap.13, as amended, or any successor thereof;

“police service area” means the area serviced by the City of Kawartha Lakes Police Service, or any successor thereof, that being:

- (a) the union of all land within the former Township of Ops and the former Town of Lindsay, and all land that has been or may be appended thereto by the City to accommodate development, or in the alternative;
- (b) all land deemed to receive service by the City of Kawartha Lakes Police Service, or any successor thereof, as otherwise established by Council subsequent to the enactment of this by-law;

“residential” means lands, buildings or structures or any part thereof used, designed or intended to provide accommodation or quarters for living, sleeping, sanitary and culinary purposes, or otherwise to serve as a domestic residence;

“row dwelling unit” means a dwelling unit in a dwelling containing three (3) or more attached dwelling units in a single row whereby each dwelling unit has an exclusive entrance from the outside and is vertically separated from any abutting dwelling unit;

“rural-Ops service area” means all land within the police service area that does not form part of either the water or wastewater service areas;

“rural-other service area” means all land within the general service area that does not form part of the urban-Lindsay, urban-NWT, urban-other or rural-Ops service areas;

“semi-detached dwelling unit” means a dwelling unit in a dwelling consisting of exactly two (2) attached dwelling units whereby each dwelling unit has an exclusive entrance from the outside and is vertically separated from the abutting dwelling unit;

“service area” means a benefitting area in respect of a municipal service or set of municipal services, and includes the police, transit, water, wastewater, wastewater-NWT, general, urban-Lindsay, urban-NWT, urban-other, rural-Ops and rural-other service areas;

“single-detached dwelling unit” means a dwelling unit in a dwelling consisting of exactly one (1) dwelling unit that is not attached to another dwelling unit;

“stacked dwelling unit” means a dwelling unit, other than a row dwelling unit, within a dwelling containing at least three (3) dwelling units whereby each dwelling unit is separated from the others vertically and or horizontally and has an exclusive entrance from the outside;

“temporary building or structure” means a former building or structure that, as determined by the Chief Building Official, was created with the express intention of being used for a continuous period not to six (6) months and existed or substantially existed for a continuous period not exceeding six (6) months;

“transit service area” means the area serviced by the City’s public transit service, that being:

- (a) all land within the former Town of Lindsay, and all land that has been or may be appended thereto by the City to accommodate development, or in the alternative;
- (b) all land deemed to receive the City’s public transit service as otherwise established by Council subsequent to the enactment of this by-law;

“urban-Lindsay service area” means the intersection of all land within the transit, police, water and wastewater service areas outside the wastewater-NWT service area;

“urban-NWT service area” means the intersection of all land within the transit, police, water and wastewater-NWT service areas;

“urban-other service area” means the intersection of all land within the water and wastewater service areas outside the urban-Lindsay and urban-NWT service areas;

“wastewater-NWT service area” means the intersection of all land within the Northwest Lindsay Development Area and the wastewater service area;

“wastewater service area” means the union of all land serviced by a City wastewater system, that being all land on which development is, as determined by the Chief Building Official, required, planned or expected to connect, or is capable of being connected in future, to a City wastewater system intended to service the development;

“water service area” means the union of all land serviced by a City water system, that being all land on which development is, as determined by the Chief Building Official, required, planned or expected to connect, or is capable of being connected in future, to a City water system intended to service the development; and

“zoning by-law” means the zoning by-law, or set of zoning by-laws, of the City enacted pursuant to section 34 of the Planning Act.

- 1.02 **Interpretation Rules:** All word variations and derivatives of the terms defined in subsection 1.01 shall carry a corresponding meaning, and the words “include”, “includes”, “inclusive” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.
- 1.03 **Statutes:** References to laws in this by-law are meant to refer to the statutes, as amended from time to time, including the regulations made pursuant thereto, that are applicable within the Province of Ontario.
- 1.04 **Severability:** If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

2 Section 2.00: Development Charges Respecting Municipal Services

- 2.01 **Designation of Municipal Services:** Development charges shall be imposed in respect of the following municipal services to pay for the increased capital-related costs required in respect of the increased needs for services arising from development:

- (a) Health and Social;
- (b) Airport;
- (c) By-Law Enforcement;
- (d) Parking;
- (e) Parks and Recreation;
- (f) Library;
- (g) Administration Studies;
- (h) Fire;
- (i) Paramedic;
- (j) Police;
- (k) Transit;
- (l) Waste Diversion;
- (m) Roads and Related;
- (n) Water Treatment;
- (o) Water Distribution;
- (p) Wastewater Treatment; and
- (q) Wastewater Collection.

2.02 **Geographic Application of Development Charges:** Respecting the municipal services designated in subsection 2.01, development charges shall be imposed in the general service area, except that:

- (a) police development charges shall be imposed in the police service area only;
- (b) transit development charges shall be imposed in the transit service area only;
- (c) water treatment and water distribution development charges shall be imposed in the water service area only;
- (d) wastewater treatment development charges shall be imposed in the wastewater service area only; and

- (e) wastewater collection development charges shall be imposed in the wastewater service area only, exclusive of the wastewater-NWT service area.

- 2.03 **Development Charges Independent of Specific Need or Benefit:** Development charges shall be determined and imposed pursuant to this by-law without regard to the specific increase in need for municipal services that may be required by, or the specific municipal service benefits that may be conferred to, any individual or particular development.

3 Section 3.00: Approvals for Development

- 3.01 **Development Charges Triggered by Development Approvals:** Development charges shall be imposed against all lands, buildings or structures within the area to which this by-law applies if the development of such lands, buildings or structures requires any of the following approvals or actions:
 - (a) the passing of a zoning by-law or an amendment thereto under section 34 of the Planning Act;
 - (b) the approval of a minor variance under section 45 of the Planning Act;
 - (c) a conveyance of land to which a by-law passed under subsection 50(7) of the Planning Act applies;
 - (d) the approval of a plan of subdivision under section 51 of the Planning Act;
 - (e) a consent under section 53 of the Planning Act;
 - (f) the approval of a description under section 9 of the Condominium Act; or
 - (g) the issuing of a permit under the Building Code Act in relation to a building or structure.
- 3.02 **Multiple Development Approvals:** No more than one development charge for each municipal service designated in subsection 2.01 shall be imposed upon any lands, buildings or structures to which this by-law applies, in respect of a development, even though two or more of the approvals and actions described in subsection 3.01 may be required before the lands, buildings or structure can be developed.
- 3.03 **Subsequent Development Approvals:** Notwithstanding subsection 3.02, if two or more of the approvals and actions described in subsection 3.01 occur at different times for a development, additional development charges shall be imposed in respect of any increased or additional development arising directly from such approvals or actions.
- 3.04 **After Building Permit Issuance:** Where a development requires an approval or action described in subsection 3.01 after the issuance of a

building permit in respect thereof, if the related development charges remain unpaid in whole or in part, the unpaid portion of development charges shall then be paid prior to the granting of the approval or the execution of the action that is required.

- 3.05 **Building Permit Not Required:** If a development does not require a building permit but does require one or more of the approvals or actions described in subsection 3.01, the related development charges shall then nonetheless be payable in respect of any increased or additional development arising directly from such approval or action.
- 3.06 **Withholding of Building Permit Issuance:** As permitted by section 28 of the Act, the Chief Building Official shall withhold issuance of a building permit for a development for which any development charges remain unpaid, provided the development is not subject to an agreement pursuant to subsection 4.06 or 4.07 providing for the development charges to be paid at a time other than building permit issuance.
- 3.07 **Local Services and Other Conditions of Development:** Nothing in this by-law prevents the City from requiring as a condition of development, whether or not through a development agreement, that the owner, at his or her own expense, install local services, as the City may require, or that the owner pay for local infrastructure connections or upgrades, administrative, processing, permit, inspection or other fees or capital, community benefits or other charges as may be required by the City.

4 Section 4.00: Calculation and Payment of Development Charges

- 4.01 **General Basis of Calculation:** Development charges with respect to the use of any land, buildings or structures shall be calculated:
- (a) in the case of residential development, or the residential portion of a mixed-use development, based upon the number and type of dwelling units; and
 - (b) in the case of non-residential development, or the non-residential portion of a mixed-use development, based upon the type of non-residential development and gross floor area or nameplate generating capacity of such development, whichever unit of measure is applicable.
- 4.02 **Residential Calculation:** The residential development charges per dwelling unit set out in Schedule 1 to this by-law shall be imposed on residential uses of lands, buildings or structures, including a dwelling unit accessory to a non-residential use, and, in the case of a mixed use building or structure, on the residential component thereof, and calculated with respect to each of the applicable municipal services according to the type of dwelling unit.
- 4.03 **Non-Residential Calculation:** The non-residential development charges per unit of gross floor area set out in Schedule 2 to this by-law shall be imposed on non-residential uses of lands, buildings or structures, and, in

the case of a mixed use building or structure, on the non-residential component thereof, and calculated with respect to each of the applicable municipal services according to the type of non-residential use.

- 4.04 **Modification for Electricity Generation Calculation:** Notwithstanding subsection 4.03, the non-residential development charges per 500 kilowatts of nameplate generating capacity set out in Schedule 2 to this by-law shall be imposed on electricity generation uses of lands, buildings or structures, and, in the case of a mixed use building or structure, on the electricity generation component thereof, and calculated with respect to each of the applicable municipal services according to each increment of 500 kilowatts of nameplate generating capacity.
- 4.05 **Timing of Calculation and Payment of Development Charges:** Development charges pertaining to a development shall be calculated as of, and shall be payable on, the date the building permit is issued for the development or, if no such permit is or is to be issued, the date the first approval or action described in subsection 3.01 is granted or executed for the development.
- 4.06 **Override with Section 26 the Act:** Notwithstanding subsection 4.05, for a development that requires approval of a plan of subdivision under section 51 of the Planning Act or a consent under section 53 of the Planning Act, and for which a subdivision agreement or consent agreement is or is to be entered into, the City may, in accordance with Council policy, require that the roads and related, water treatment, water distribution, wastewater treatment and or wastewater collection development charges be calculated and made payable immediately upon execution of such an agreement.
- 4.07 **Override with Section 27 of the Act:** Notwithstanding subsection 4.05, the dates on which development charges pertaining to a development are to be calculated and made payable may, in accordance with Council policy, be determined by an agreement between the City and the owner required to pay the development charges.

5 Section 5.00 Development Charges Exemptions, Refunds and Credits

- 5.01 **Legislated General Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed on land owned by and used for the purposes of a municipality, a local board of a municipality or a board of education.
- 5.02 **Legislated Residential Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed with respect to approvals or actions outlined in subsection 3.01 related to residential development to which subsection 2(3) of the Act applies.
- 5.03 **Legislated Industrial Exemption:** Notwithstanding any other provision of this by-law, if a development includes the enlargement of the gross floor area of an existing industrial building, the development charges payable in

respect of the enlargement shall be determined in accordance with section 4 of the Act if subsection 5.04 does not apply to the enlargement.

- 5.04 **Discretionary Exemptions:** Notwithstanding any other provision of this by-law, development charges shall not be imposed respecting the development of:
- (a) a place of worship, non-profit hospice, public hospital, cemetery, burial site or crematorium as defined in the Assessment Act;
 - (b) an industrial building or structure that is not electricity generation development;
 - (c) the first 2,500 square metres of gross floor area of any single commercial building or structure;
 - (d) an agricultural building or structure;
 - (e) a park model trailer; or
 - (f) a municipal housing dwelling unit.
- 5.05 **Refund for Temporary Buildings or Structures:** Notwithstanding any other provision of this by-law, a temporary building or structure shall, on a retroactive basis, not be considered development, and, therefore, an owner who paid development charges for a temporary building or structure shall be entitled to a refund of the development charges, without interest, if the owner demonstrates to the satisfaction of the Chief Building Official that the building or structure was indeed temporary.
- 5.06 **Redevelopment Credit:** Subject to subsections 5.07 and 5.08, but notwithstanding any other provision of this by-law, in respect of the redevelopment of land, where a building or structure on the same land was demolished or is to be demolished or converted from one principal use to another principal use, in whole or in part, in order to facilitate the redevelopment, the development charges otherwise pertaining to such a redevelopment shall, as determined by the Chief Building Official based on information he or she considers verifiable, be reduced by:
- (a) in the case of a residential building or structure, or in the case of a mixed-use building or structure, the residential uses thereof, an amount calculated by multiplying the applicable development charge rate by the number, according to type, of dwelling units that have been or will be demolished or converted to another principal use; and
 - (b) in the case of a non-residential building or structure or, in the case of mixed-use building or structure, the non-residential uses thereof, an amount calculated by multiplying the applicable development charge rate by the gross floor area or nameplate generating capacity, whichever unit of measure is applicable, that has been or will be demolished or converted to another principal use.

- 5.07 **Restrictions on Redevelopment Credit:** In respect of development charges pertaining to a redevelopment, a reduction in the development charges determined pursuant to subsection 5.06 shall:
- (a) be determined in accordance with development charge rates that would otherwise apply if the exemptions provided for by subsections 5.01 through 5.04 did not apply;
 - (b) notwithstanding paragraph (a) of this subsection, not exceed the amount of development charges otherwise payable pursuant to this by-law; and
 - (c) apply only if the building or structure in question was, as determined by the Chief Building Official based on information he or she considers verifiable, capable of being occupied within the three (3) year period prior to the development charges becoming payable pursuant to this by-law.
- 5.08 **Override of 3-Year Restriction on Redevelopment Credit:** Notwithstanding paragraph (c) of subsection 5.07, the period during which a redevelopment credit may be obtained by an owner pursuant to subsection 5.06 may be established by the City in accordance with Council policy, but in no case shall such a period exceed ten (10) years.
- 5.09 **Credit Related to Expiration or Revocation of Building Permit:** Where a building permit has been issued for a development on land for which development charges have been paid, in the case that the building permit expires or is revoked, the development charges shall not be refunded but instead shall be credited against any subsequent development charges that may become payable as a result of any subsequent approvals or actions described in subsection 3.01 being granted or executed in respect of the same land.
- 5.10 **Onus on Owner:** The onus is on the owner liable for development charges to produce evidence to the satisfaction of the Chief Building Official that the owner is indeed entitled to an exemption, refund or credit pursuant to this section.

6 Section 6.00: Administrative Matters

- 6.01 **Override by Prior Agreement:** The provisions of an agreement between the City and an owner setting out, based upon development charge rates in effect prior to the coming into force of this by-law, the development charges and or services in lieu of development charges to be paid for or provided by the owner shall override this by-law if the agreement was executed before the coming into force of this by-law.
- 6.02 **By-Law Administration:** The Chief Building Official and Manager of Corporate Assets are jointly responsible for the administration of this by-law, where the former position is responsible for day-to-day administration and the latter position is responsible for general administration and oversight.

- 6.03 **Interest:** The City shall pay interest on a refund issued pursuant to subsection 18(3) or 25(2) of the Act in accordance with the minimum interest rate as prescribed by the Act subject to that rate being updated by the City Treasurer on the first business day of every January, April, July and October during the term of this by-law.
- 6.04 **Restructuring of Reserve Fund:** Upon enactment of this by-law, pursuant to section 33 of the Act the City Treasurer shall restructure the development charge reserve fund as necessary into separate accounts respecting the municipal services designated in subsection 2.01.
- 6.05 **Replenishment of Reserve Fund:** To ensure transparent and timely compliance with paragraph 3 of subsection 5(6) of the Act, the City Treasurer shall ensure the development charge reserve fund is replenished annually from other City funds to correct shortfalls in the development charge reserve fund resulting from development charges exemptions or any similar cause that may arise.
- 6.06 **No Phasing in of Development Charges:** The development charges set out in Schedule 1 and Schedule 2 shall not be phased in, and, subject to indexation in accordance with subsection 6.07, shall take effect upon the coming into force of this by-law.
- 6.07 **Indexation of Development Charges:** Without amendment to this by-law:
- (a) on April 1, 2020, the Manager of Corporate Assets shall index the development charges set out in Schedule 1 and Schedule 2 in accordance with the Statistics Canada Quarterly Construction Price Statistics Index, or any successor thereof, whereupon the indexed development charges shall take effect at 12:01am on April 1, 2020; and
 - (b) starting on January 1, 2021, the Manager of Corporate Assets shall annually index the development charges set out in Schedule 1 and Schedule 2 in accordance with the Statistics Canada Quarterly Construction Price Statistics Index, or any successor thereof, whereupon the indexed development charges shall take effect at 12:01am on January 1 of the year during which they are to be in effect.
- 6.08 **Collection as Property Taxes:** In accordance with subsection 32(1) of the Act, development charges or any portion thereof that remain unpaid after they become payable by the subject owner shall be added to the tax roll and shall be collected from the owner in the same manner as property taxes.
- 6.09 **Registration on Title:** As permitted by section 42 of the Act, the City may register a certified copy of this by-law with the Land Registry Office, or any successor thereof, against title to any land to which this by-law applies.

7 Section 7.00 Other Matters

- 7.01 **Schedules:** The following schedules to this by-law form part of this by-law:
- (a) Schedule 1: Residential Development Charges;
 - (b) Schedule 2: Non-Residential Development Charges; and
 - (c) Schedule 3: Northwest Lindsay Development Area.
- 7.02 **Abbreviations in Schedules:** The following equivalences apply to abbreviations and symbols appearing in the schedules to this by-law:
- (a) “\$” stands for dollars;
 - (b) “/” stands for per;
 - (c) “m²” stands for square metre or square metres, as context requires;
 - (d) “GFA” stands for gross floor area, measured in square metres;
 - (e) “NGC” stands for nameplate generating capacity, measured in kilowatts; and
 - (f) “KW” stands for kilowatt or kilowatts, as context requires.
- 7.03 **Subsequent By-Laws:** This by-law does not preclude the enactment of subsequent by-laws imposing development charges within the City.
- 7.04 **Headings for Reference Only:** Headings herein are used for reference only and shall not affect the construction or interpretation of this by-law.
- 7.05 **Effective Date and Expiry:** This by-law shall come into force at 12:01am April 1, 2020, and shall expire at 12:01am April 1, 2025 unless it is repealed prior thereto.
- 7.06 **Repeal:** By-Law 2015-224 (A By-Law to Impose Development Charges in the City of Kawartha Lakes) is repealed upon the coming into force of this by-law.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

Schedule 1: Residential Development Charges

The residential development charges shall be the development charges in the following table, subject to indexation:

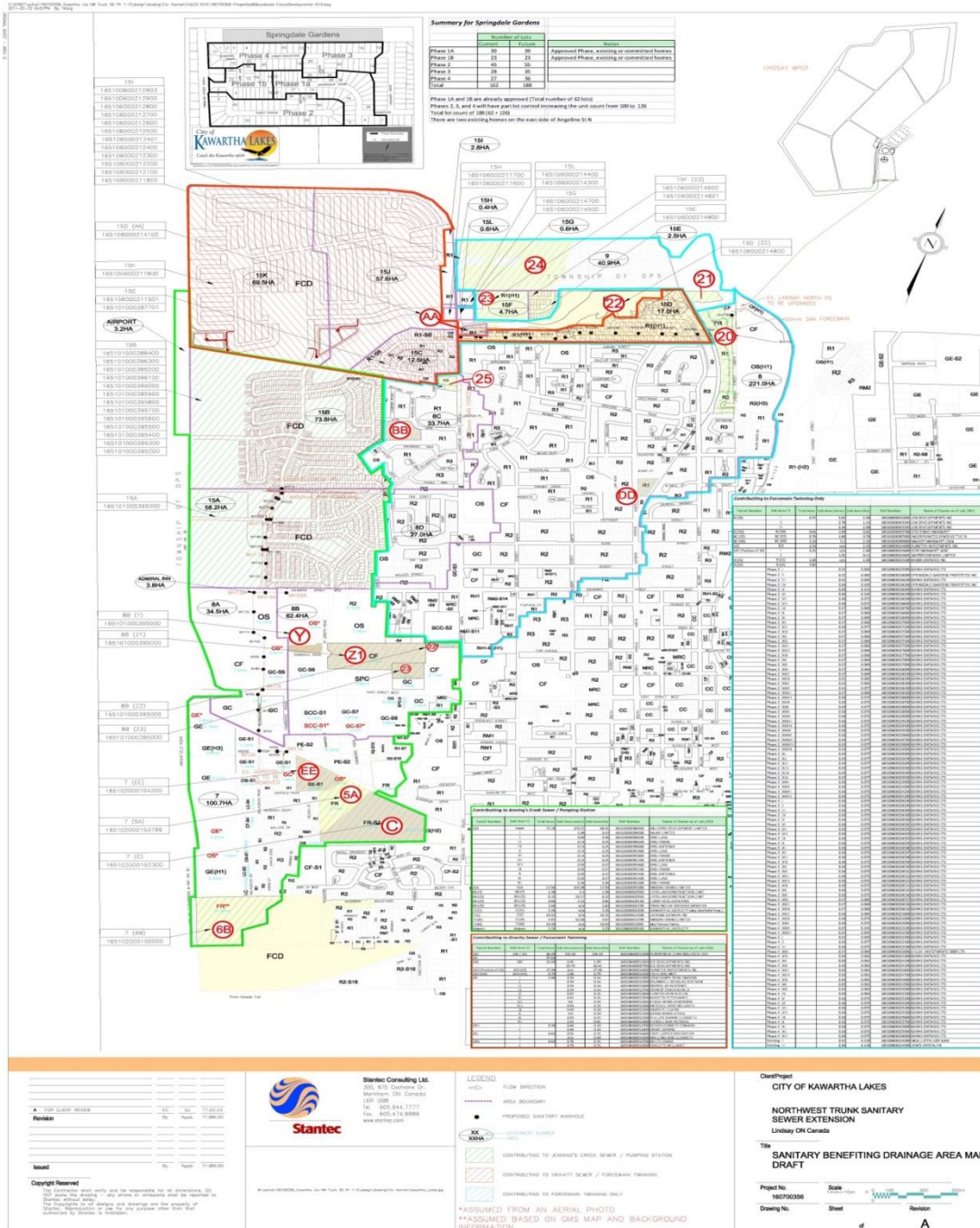
Municipal Service	(\$/Dwelling Unit)			
	Single or Semi-Detached	Row or Multiple	Apartment	
			Two or More Bedrooms	Other
Health and Social	206	183	123	93
Airport	22	20	13	10
By-Law Enforcement	14	13	9	6
Parking	111	98	66	50
Parks and Recreation	664	590	398	300
Library	340	303	204	154
Administration Studies	362	322	217	164
Fire	322	287	193	146
Paramedic	190	169	114	86
Police	393	350	236	178
Transit	240	213	144	108
Waste Diversion	33	29	20	15
Roads and Related	6,049	5,381	3,628	2,734
Water Treatment	3,181	2,829	1,908	1,438
Water Distribution	3,302	2,938	1,981	1,493
Wastewater Treatment	4,057	3,609	2,433	1,834
Wastewater Collection	5,899	5,247	3,538	2,666
Total	25,385	22,581	15,225	11,475
Municipal Service Area	(\$/Dwelling Unit)			
	Single or Semi-Detached	Row or Multiple	Apartment	
			Two or More Bedrooms	Other
Urban-Lindsay	25,385	22,581	15,225	11,475
Urban-NWT	19,486	17,334	11,687	8,809
Urban-Other	24,752	22,018	14,845	11,189
Rural-Ops	8,706	7,745	5,221	3,936
Rural-Other	8,313	7,395	4,985	3,758

Schedule 2: Non-Residential Development Charges

The non-residential development charges shall be the development charges in the following table, subject to indexation:

Municipal Service	Electricity Generation (\$/500 KW of NGC)	Other Non- Residential (\$/m² of GFA)
Health and Social		
Airport		0.18
By-Law Enforcement		0.12
Parking		0.90
Parks and Recreation		1.91
Library		0.98
Administration Studies	362	2.95
Fire	322	2.63
Paramedic	190	1.55
Police	393	2.69
Transit		1.71
Waste Diversion		0.27
Roads and Related	6,049	49.39
Water Treatment		22.39
Water Distribution		23.24
Wastewater Treatment		28.24
Wastewater Collection		51.97
Total	7,316	191.11
Municipal Service Area	Electricity Generation (\$/500 KW of NGC)	Other Non- Residential (\$/m² of GFA)
Urban-Lindsay	7,316	191.11
Urban-NWT	7,316	139.14
Urban-Other	6,923	186.71
Rural-Ops	7,316	63.56
Rural-Other	6,923	60.87

Schedule 3: Northwest Lindsay Development Area



The Corporation of the City of Kawartha Lakes

By-Law 2019-xxx

A By-law to Levy Interim Taxes for 2020 in the City of Kawartha Lakes

Recitals

1. Subsection 317 (1) of the Municipal Act, 2001, S.O. 2001, c. 25, provides that the Council may, prior to the adoption of the estimates for the year under Section 290, pass a by-law levying amounts on the assessment of property in the municipality rateable for the municipality's purposes.
2. Subsection 317 (2) provides that the by-law may be passed in November or December of the previous year if it provides that it does not come into force until a specified day in the following year.
3. Subsection 317 (3) provides that the amount levied on a property shall not exceed the prescribed percentage, or fifty per cent (50%) if no percentage is prescribed, of the total amount of taxes for municipal and school purposes levied on the property for the previous year.
4. Paragraph 317(3) 3 provides that if any taxes for municipal and school purposes were levied on a property for only part of the previous year because assessment was added to the tax roll during the year, an amount shall be added equal to the additional taxes that would have been levied on the property if the taxes for municipal and school purposes had been levied for the entire year.
5. Council requires a by-law for the interim tax levy for 2020, for the issuance of interim tax bills in January.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-xx.

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

"City", "City of Kawartha Lakes" or "Kawartha Lakes" means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

"City Clerk" means the person appointed by Council to carry out the duties of the clerk described in section 228 of the Municipal Act, 2001;

"Council" or "City Council" means the municipal council for the City;

"Manager of Revenue and Taxation" means the person who holds that position and his or her delegate(s) or, in the event of organizational

changes, another employee appointed by Council to carry out these responsibilities;

1.02 Interpretation Rules:

(a) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

1.03 Statutes: References to laws in this by-law are meant to refer to the statutes, as amended from time to time, that are applicable within the Province of Ontario.

1.04 Severability: If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

Section 2.00: Levy

2.01 Percentage: The amount to be levied on each rateable property within the City of Kawartha Lakes shall be fifty per cent (50%) of the annualized amount of taxes for municipal and school purposes in 2018.

2.02 Due Dates: Taxes levied under this By-law are payable in two installments. The first installment shall be payable on February 27, 2020, and the second installment shall be payable on April 29, 2020.

2.03 Notices: The Manager of Revenue and Taxation or delegate, is authorized and directed to cause to be mailed or delivered, the notice of taxes due under this By-law to the address of the residence or place of business of the person to whom such notice is required to be given according to the last assessment roll for the City as amended by the Municipal Property Assessment Corporation.

Section 3.00: Payments

3.01 Payments: All taxes payable pursuant to this By-law are payable to the City. All taxes, including local improvement assessments, water and wastewater rates and other rents, rates or charges payable or collected as taxes, can be paid as follows:

- (a) at City Hall, at 26 Francis Street, Lindsay;
- (b) at any City office or service center;
- (c) by mail addressed to City of Kawartha Lakes, P.O. Box 696, Lindsay, Ontario, K9V 4W9; or
- (d) provided they are paid on or before the due dates as specified in Article 2.00 of this By-law, taxes may be paid into any Chartered Bank of Canada, Trust Company, Province of Ontario Savings Office, Credit Union or Caisse Populaire Incorporated subject to *The Credit Unions and Caisses Populaires Act*, to the credit of the City.

- 3.02 **Partial Payment:** The Manager of Revenue and Taxation or delegate, is authorized and directed to accept part payment from time to time on account of any taxes due, and to give a receipt for the payment. Acceptance of any payment shall not affect the collection of any percentage charge imposed and collectable under any applicable legislation, common law or City by-law in respect of non-payment of any taxes or any class of taxes or of any installment of taxes.

Section 4.00: Administration and Effective Date

- 4.01 **Administration of the By-law:** The Manager of Revenue and Taxation or delegate, is responsible for the administration of this by-law.

- 4.02 **Effective Date:** This By-law shall come into force on January 1, 2020.

By-law read a first, second and third time, and finally passed, this [redacted] day of [redacted], 201[redacted].

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Amend By-law 2018-017, Being the City Lands Encroachment By-law for the City of Kawartha Lakes

Recitals

1. Whereas the City of Kawartha Lakes passed By-law 2018-017 on February 13, 2018, providing that persons that encroach on City property without City permission have committed an offence;
2. Whereas a series of set fines have been approved by Order of the Regional Senior Justice for prosecution of that By-law pursuant to Part 1 of the Provincial Offences Act;
3. Whereas the City may choose to prosecute pursuant to Part 3 of the Provincial Offences Act to impose higher fines; and
4. Whereas that By-law provides that, should a person fail to come into compliance with that By-law after being provided notice and an opportunity to come into compliance, the City may remove the encroachment and charge the costs on the tax roll of the encroaching property owner.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Interpretation

1.01 Interpretation Rules:

(a) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

1.02 Statutes: References to laws in this by-law are meant to refer to the statutes, as amended from time to time, that are applicable within the Province of Ontario.

1.03 Severability: If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

Section 2.00: Amendment to Section 10.00 of By-law 2018-017

2.01 By-law 2018-017 is amended by adding the following provision:

Section 10.02: Every person who is in contravention of Section 10.01 is guilty of a separate and continuing offence for each day that they contravene Section 10.01. Furthermore, every person who contravenes Section 10.01 is also liable to the maximum penalty set out in section 61 of the Provincial Offences Act for each day that the offence is committed and/or not rectified.

Section 3.00: Effective Date

3.02 **Effective Date:** This By-law shall come into force on the date it is finally passed.

By-law read a first, second and third time, and finally passed, this 10 day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-Law 2019-

A By-law to Appoint a Member of Council to the City of Kawartha Lakes Committee of Adjustment for 2020 and to Repeal By-law 2019-002

Recitals

1. The Planning Act, R.S.O. 1990 Chapter P. 13, Subsection 44(1), as amended, provides that Council may by By-law constitute and appoint a Committee of Adjustment and pursuant to Subsection 44(3) that members who are members of a municipal council shall be appointed annually.
2. City of Kawartha Lakes By-law 2015-008 constituted the City of Kawartha Lakes Committee of Adjustment and delegated responsibilities to that Committee and an appointed official.
3. Council adopted Resolution CR2019- giving direction to appoint Councillor Emmett Yeo to the Committee of Adjustment to December 31, 2020.
4. By-law 2019-002 appointed a Member of Council to the City of Kawartha Lakes Committee of Adjustment from December 11, 2018 to December 11, 2019 and may now be repealed.
5. Council considers it advisable to appoint a member of Council to the Committee of Adjustment to December 31, 2020.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019- .

Section 1.00: Definitions and Interpretation

1.01 Definitions: In this by-law,

“City”, “City of Kawartha Lakes” or “Kawartha Lakes” means The Corporation of the City of Kawartha Lakes and includes its entire geographic area;

"City Clerk" means the person appointed by Council to carry out the duties of the clerk described in section 228 of the Municipal Act, 2001;

“Council” or “City Council” means the municipal council for the City;

1.02 Interpretation Rules:

- (a) The words “include” and “including” are not to be read as limiting the meaning of a word or term to the phrases or descriptions that follow.

- 1.03 **Statutes:** References to laws in this by-law are meant to refer to the statutes, as amended from time to time, that are applicable within the Province of Ontario.
- 1.04 **Severability:** If a court or tribunal of competent jurisdiction declares any portion of this by-law to be illegal or unenforceable, that portion of this by-law shall be considered to be severed from the balance of the by-law, which shall continue to operate in full force and effect.

Section 2.00: Appointment of Committee Member

- 2.01 The following member of Council is hereby appointed to the Committee of Adjustment until December 31, 2020:

Councillor Emmett Yeo.

Section 3.00: Effective Date

- 3.01 **Effective Date:** This By-law shall come into force on the date it is finally passed.

Section 4.00: Repeals

- 4.01 **Repeal:** By-law 2019-002 is repealed.

By-law read a first, second and third time, and finally passed, this 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

The Corporation of the City of Kawartha Lakes

By-law 2019-110

A By-law to provide for Drainage Works in the City of Kawartha Lakes to be known as the Webster Municipal Drain

Recitals

1. The Council of the City of Kawartha Lakes has procured a report under section 4 of the Drainage Act for the new construction of the Webster Municipal Drain
2. The Council of the City of Kawartha Lakes received a report made by R. Dobbin Engineering Inc. dated June 3, 2019, and subsequently amended on July 5, 2019 (the "Report").
3. The engineer's report includes the deepening of an existing channel and the excavation of a new channel to be incorporated as the Webster Drain from the Part of L9, Concession 4, through the S1/2 of L10, Concession 4, through the W1/2 of L10, Concession 5 to its top end at the S Pt of L11, Concession 5 in the former township of Eldon in the City of Kawartha Lakes, providing for a legal subsurface outlet for drainage.
4. The estimated total cost of constructing the drainage works is \$271,850.00
5. \$92,502.00 is the amount to be contributed by the City of Kawartha Lakes for the drainage works.
6. At the conclusion of the Drainage Board Meeting held on July 2, 2019 to consider the Webster Municipal Drain Report, the petition for drainage works remained valid.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-110 pursuant to the Drainage Act.

Authorization

1. The report is adopted and the drainage works described in it are authorized. These works shall be completed in accordance with the Report, attached as Schedule A.

Borrowing

2. The City of Kawartha Lakes may borrow on the City's credit the amount of \$271,850.00, which is the amount necessary for the construction of the drainage works.
3. A special rate shall be levied upon lands and roads as set forth in the assessment schedules included as part of Schedule A to this By-law, less the total amount of:

- a. grants to the agricultural lands under Section 85 of the Act, where applicable; and
 - b. allowances granted under Section 29 to 33 of the Act, where applicable. The special rate shall become due and payable as a single cash payment within 30 days of the invoicing of it by the City, or if single cash payment has not been made within 30 days of the invoicing, then the amount shall be levied upon the lands and roads as set forth in Schedules A to D to this By-law and collected in the same manner and at the same time as other taxes are collected; and
 - c. If requested in writing, the Corporation of the City of Kawartha Lakes may arrange for the issue of debentures as stipulated in Council Policy CP2017-004 that is in effect at the time of the passing of the actual cost by-law.
4. For paying the amount of \$92,502.00 which is the amount assessed upon lands and roads belonging to or controlled by the municipality, a special rate sufficient to pay the amount assessed, plus interest, shall be levied upon the whole rateable property within the City of Kawartha Lakes and shall be collected as a single cash payment.
 5. This By-law shall come into force on the passing thereof and may be cited as the "Webster Municipal Drain By-law".

By-law read a first and second time on the 16th day of July, 2019 and provisionally adopted.

Andy Letham, Mayor

Cathie Ritchie, City Clerk

By-law read a third time on the 10th day of December, 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk



Schedule A to By-law
2019-110.pdf

June 3, 2019

Revised Report Accepted by the Court of Revision

The City of Kawartha Lakes
26 Francis Street
Lindsay, ON
K9V 5R8

Mayor, Council and Drainage Board:

Re: Webster Drain

In accordance with your instructions, I have undertaken an examination of Part of Lot 11, Concession 5, and Part of Lot 10, Concession 5 with regards to providing the lots with a legal outlet for subsurface water generated on the properties.

The Lake Simcoe Regional Conservation Authority has approved the May 8, 2019 design of the Webster Drain. The design presented in this report is the same design that has been approved.

Summary of Work

The work includes the following:

- Prepare an Engineers Report under the Drainage Act to address the petitions (2).
- Replace the Glenarm Road centreline culvert.
- Replace the Prospect Road centreline culvert.
- Construct an open channel across the W1/2 of Lot 10, Concession 5 and complete a ditch cleanout and deepening for 310m west of Prospect Road on the S1/2 of Lot 10, Concession 4 and Lot 9, Concession 4.
- Allowances have been made to Pt. Lot 11 and W1/2 L Lot 10, Concession 5 and to S1/2 L Lot 10 and Lot 9, Concession 4.
- The estimated costs are estimated to be \$271,850 which includes engineering, tendering and an allowance for inspection.

Authorization under the Drainage Act

The City of Kawartha Lakes received two petitions for drainage, one on September 13, 2017 from Victor Webster Farms Ltd and a second petition from Ella Wechsel on July 12, 2018. This Engineers Report has been prepared under Section 4 of the Drainage Act as per the petitions received by the City of Kawartha Lakes. Section 4 (1) of the Drainage Act states:

A petition for the drainage by means of a drainage works of an area requiring drainage as described in the petition may be filed with the Clerk of the local Municipality in which the area is situate by,

- (a) the majority in number of the Owners, as shown by the last revised assessment roll of lands in the area, including the Owners of any roads in the area;
- (b) the Owner or Owners, as shown by the last revised assessment roll, of lands in the area representing at least 60 per cent of the hectarage in the area;
- (c) where a drainage works is required for a road or part thereof, the engineer, road superintendent or person having jurisdiction over such road or part, despite subsection 61(5);
- (d) where a drainage works is required for the drainage of lands used for agricultural purposes, the Director. R.S.O. 1990, c.D.17, s.4(1).

The petitions were determined to be valid based on Section 4 (1) (b).

Existing Conditions

There exists an open channel in Lot 9, Concession 4 that extends in a north-easterly direction to the east edge of the S1/2 Lot 10, Concession 4. It then extends in a north-easterly direction 820m to its head in the W1/2 Lot 10, Concession 5.

North of the open channel exists a small surface course that crosses Glenarm Road, approximately 360m east of Prospect Road.

At the time of site visits the lands east of the low run were cleared and appeared to be cropped. The clearing extended to the west of the low run.

The Lake Simcoe Region Conservation Authority provided mapping with the following information.

- The Lands in Lot 10, Concession 5 were labelled as wetland.
- The catchment area is located within a regulated area.
- The low run from Station 0+150 to 1+302 was considered a watercourse.
- The low run from Station 0+150 to 1+302 was considered a meanderbelt (erosion limit).

On Site Meetings

An onsite meeting was held on November 1, 2017. The following is a summary of the meeting:

- The City of Kawartha Lakes received a petition for outlet of sub-surface water on L11, Concession 5.
- The petition was determined to be valid.
- R. Dobbin Engineering will need to do a detailed topographic survey for the alignment and to determine the drainage area.

A second meeting was held on June 6, 2018. The purpose of the second meeting was to update the Landowners and answer any questions with respect to the alignment, grades and the length of works required for a sufficient outlet. After some discussion, some Landowners expressed an interest in signing a petition for drainage. The following is a summary of the subsequent meeting:

- The City of Kawartha Lakes received a petition for outlet of sub-surface water on L10, Concession 5.
- The petition was determined to be valid.
- R. Dobbin Engineering will need to do a detailed topographic survey for the alignment and to determine the drainage area.
- The Landowner of Part of Lot 11, Concession 5 and the Landowner of the W1/2 of Lot 10, Concession 5 were contacted separately by telephone to discuss the petition.

Recommendations

Based on our knowledge of the drain and discussions at the November 1, 2017 and June 6, 2018, meetings it is therefore recommended that the following work be carried out:

1. A new drain called the Webster Drain will be constructed following the existing lowlands to provide an outlet for surface and subsurface water in Part of Lot 11, Concession 5.

Design

The proposed open channel drain shall be designed to accommodate a drainage coefficient of 37 mm/24 hours. This is generally acceptable for lands used for cash crops with provisions for surface water. Open channel design criteria includes an assumed minimum tile depth of 600mm plus diameter of tile and a minimum 100 mm freeboard to the design flow elevation.

Culvert design criteria includes rural road crossing be designed to accommodate the 1 in 10 year storm event and County roads be designed to accommodate the 1 in 25 year storm event.

The design has included an open channel rather than a closed tile. This will maintain the general overall drainage patterns in the area and maintain a surface flow route thorough the regulated area. The backslopes in earth cuts will be to 3H:1V to help minimize bank erosion.

The drain's alignment includes a section of land that is regulated by the Lake Simcoe Regional Conservation Authority. Prior to submitting the report a meeting was held with the Lake Simcoe Regional Conservation Authority to review the design to ensure a permit would be provided by the Lake Simcoe Regional Conservation Authority. At the request of the Lake Simcoe Regional Conservation Authority the working areas were added to the overall plan. Standard erosion and sediment control measures have been implemented into the design. The Lake Simcoe Regional Conservation Authority has confirmed a permit will be issued once the Court of Revisions appeal period has ended and if applicable, when the Tribunal appeal period has ended.

Estimate of Cost

It is recommended that the work be carried out in accordance with the accompanying Specification of Work and Profile that forms part of this Report. There has been prepared an Estimate of Cost in the amount of \$271,850, including engineering of the report, attending the Meeting to Consider the Report, attending the Court of Revision, preparing a tender document for distribution by the City of Kawartha Lakes and an allowance for inspection. Appearances before appeal bodies have not been included in this cost estimate.

A plan has been prepared showing the location of the work and the approximate drainage area. A profile is included showing the depths and grades of the proposed work.

Assessment

As per Section 21 of the Drainage Act, the Engineer in his report shall assess for benefit and outlet for each parcel of land and road liable for assessment.

Lands, roads, buildings, utilities, or other structures that are increased in value or are more easily maintained as a result of the construction, improvement, maintenance, or repair of a drainage works may be assessed for benefit. (Section 22)

Lands and roads that use a drainage works as an outlet, or for which, when the drainage works is constructed or improved, an improved outlet is provided either directly or indirectly through the medium of any other drainage works or of a swale, ravine, creek, or watercourse may be assessed for outlet. The assessment for outlet shall be based on the volume and rate of flow of the water artificially caused to flow into the drainage works from the lands and roads liable for such assessments. (Section 23)

The Engineer may assess for special benefit any lands for which special benefits have been provided by the drainage works. (Section 24)

A Schedule of Assessment for the lands and roads affected by the work and therefore liable for the cost thereof will be prepared as per the Drainage Act. Also, assessments may be made against any public utility or road authority, as per Section 26 of the Drainage Act, for any increased cost for the removal or relocation of any of its facilities and plant that may be necessitated by the construction or maintenance of the drainage works. Items to be assessed under Section 26 shall be the actual cost plus a portion of the engineering (25% of the cost).

The cost of any approvals, permits or any extra work, beyond that specified in this report that is required by any utility, conservation authority, government ministry or organization (federal or provincial), or road authority shall be assessed to that organization requiring the permit, approval, or extra work.

The estimated cost of the drainage works has been assessed in the following manner:

1. The costs of the Glenarm Road road crossing have generally been assessed with 95% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
2. The costs of the Prospect Road road crossing have generally been assessed with 73% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
3. The Landowner of the W1/2 of L10, Concession 5 has agreed to compensation in lieu of an access culvert. 50% of the estimated cost of the access culvert has been assessed as an outlet assessment on upstream lands based on equivalent hectares.
4. The remaining cost of the drainage works have been assessed with approx. 60% of the estimated cost assessed as a benefit assessment and the remainder assessed as outlet assessment to the upstream properties based on equivalent hectares.

Agricultural Grant

It is recommended that application for subsidy be made for eligible agricultural properties. Any assessments against non-agricultural properties are shown separately in the Schedule of Assessment.

Access and Working Area

Access to the worksite and the working area shall generally be from Glenarm Road, Prospect Road and along the drainage works.

The working area between station 0+150 and Prospect Road shall be from the north side of the existing channel and shall extend 20 metres from the top of bank with a 2 m wide strip on the southerly side.

The working area between Prospect Road and Glenarm Road shall be from the east side of the proposed channel and the south side of the existing and shall extend 30 metres east or south from the top of bank with a 2 m wide strip on the northerly and westerly sides.

Allowances

Under Section 29 of the Drainage Act, the Engineer in the report shall estimate and allow in money to the Owner of any land that it is necessary to use for the construction or improvement of a drainage works or for the disposal of material removed from drainage works. This shall be considered an allowance for right-of-way.

Under Section 30 of the Drainage Act, the Engineer shall determine the amount to be paid to persons entitled thereto for damage, if any, to ornamental trees, lawns, fences, land and crops occasioned by the disposal of material removed from a drainage works. This shall be considered an allowance for damages. Section 30 allowances for drain replacement will be paid at the crop rate regardless of the land use.

Under Section 33 of the Drainage Act, the Engineer can provide an allowance for loss of access to an Owner instead of providing for the construction of an access.

Allowances for right-of-way are based on a land value of \$12,350.00 per hectare. Allowances for crop loss are based on \$1,500.00 per hectare for the first year and \$750.00 for the second year (total \$2,250.00 per hectare). Allowances for loss of access are \$5,280.00 and are based on 50% of the cost of the required access.

Restrictions

No trees may be planted within the working area. If trees must be removed because they interfere with the drainage work or with access or other maintenance activities, they shall be removed at the expense of the Landowner. Permanent structures are not to be erected within 10 metres of either side of the drainage works.

Attention is also drawn to Sections 80 and 82 of the Drainage Act, which refer to the removal of obstructions in a drain and damage caused to a drain.

Existing Private Drainage

All existing subsurface drainage encountered during the construction of the proposed drains shall be reconnected to the proposed open channel.

Maintenance

Upon completion of the work, the drainage works shall be maintained as per the Schedule of Maintenance unless otherwise altered under provisions of the Drainage Act or as outlined below.

- The costs of the Glenarm Road road crossing shall be maintained with 95% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
- The costs of the Prospect Road road crossing shall be maintained with 73% of the costs assessed to the Road Authority and the remainder assessed as an outlet assessment on upstream lands based on equivalent hectares.
- The channel shall be maintained as per the specifications and to the depths and grades as shown on the drawings contained in this Engineers Report.
- If the lands ending Area Roll Number 10-204 complete tree removal of the forested area at the south portion of the property the property shall be assessed \$292. The assessment shall be retained by the City of Kawartha Lakes until maintenance is completed on the drain at which time the costs will be a credit to the maintenance cost.

All of the above is submitted for your consideration.

Yours truly,

Michael Gerrits, P. Eng.
R. Dobbin Engineering Inc.

City of Kawartha Lakes
 Webster Drain
 June 3, 2019

ALLOWANCES

Allowances have been made as per Sections 29, 30 & 33 of the Drainage Act for damages to lands and crops and loss of access.

Conc.	Lot or part	Roll No.	Owner	Section 29	Section 30	Section 33	Total
4	N 1/2 Lot 9	10-161	R. Graves	3,800	690	-	4,490
	S 1/2 Lot 10	10-162-10	C. Jackson	4,450	810	-	5,260
5	W 1/2 Lot 10	10-200	E. Wechsel	20,400	3,720	5,280	29,400
	Pt Lot 11	10-206	Victor Webster Farms Ltd.	-	200	-	200
TOTAL ALLOWANCES				\$ 28,650	\$ 5,420	\$ 5,280	\$ 39,350

Estimate of Cost

Allowances:					39,350
	<u>Quantity</u>	<u>Unit</u>	<u>Material</u>	<u>Labour</u>	
Brushing	0.11	Ha	-	1,120	1,120
Excavation of Drain	3036	cu.m	-	22,770	22,770
Levelling of Excavated Material	1120	m	-	5,600	5,600
Rock Excavation c/w Shatter & Vibration Monitoring	649	cu.m	-	63,300	63,300
Prospect Road					
Remove Existing 600ø & 900mmø CSPs	2	ea	-	960	
1600mmø CSP (Open Cut)	18	m	7,620	1,600	
Bedding Material	74	t	1,480	640	
Granular "B"	82	t	820	640	
Place Backfill	60	t	-	640	
Granular "A"	30	t	600	320	
Rip Rap Culvert Inlet and Outlet	30	sq.m	1,500	1,500	
Fence Removal and Reconstrection	40	m	200	960	
Traffic Control	1	LS	450	400	
Restoration	1	LS	600	500	
			13,270	8,160	21,430
Glenarm Road					
Remove Existing 600mmø CSP	1	ea	-	640	
1400mmø CSP (Open Cut)	26	m	9,210	2,240	
Bedding Material	100	t	2,000	960	
Granular "B"	154	t	1,540	1,280	
Place Backfill	150	t	-	640	
Granular "A"	42	t	840	480	
Rip Rap Endwall	45	sq.m	2,250	2,250	
Traffic Control	1	LS	600	1,200	
90 mm Asphalt (50mm HL8 & 40 mm HL4)	80	sq.m	2,400	720	
Fence Removal and Reconstrection	20	m	100	480	
Restoration	1	LS	600	500	
			19,540	11,390	30,930
Silt Fence	1	ea	250	-	250
Miscellaneous					13,610
Sub Total					198,360
Engineering					48,740
Tendering					2,500
Conservation Review Fee					470
Inspection Allowance (Estimate)					21,780
Total Estimate					\$271,850

SCHEDULE OF MAINTENANCE
(Accepted by the Court of Revision)

For Maintenance of the open channel portion of the drain from Station 0+150 to Station 1+302.
Road crossings will be maintained as per the Engineers Report.

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Benefit	Outlet	Total	Equivalent Ha.
Agricultural Land								
4	N 1/2 Lot 9	2.0	10-161	R. Graves	332	1	333	2.0
	S 1/2 Lot 10	5.7	10-162-10	C. Jackson	255	29	284	5.7
	Pt N 1/2 Lot 10	1.6	10-163	D. Brown	-	12	12	1.6
5	W 1/2 Lot 10	44.3	10-200	E. Wechsel	2,484	325	2,809	44.3
	Pt E 1/2 Lot 10	28.8*	10-204	T. Bottan	-	328	328	25.2
	Pt Lot 11	53.6**	10-206	Victor Webster Farms Ltd.	255	1,280	1,535	46.9
					3,326	1,975	5,301	
				Total Benefit	3,326			
				Total Outlet	1,975			
				Total - Agricultural	5,301			
Non-Agricultural Lands								
4	Pt N 1/2 Lot 10	0.4	10-163-01	J. McFeeters	-	3	3	0.4
	Pt. Lot 11	0.3	10-206-01	T. Bottan	-	17	17	0.7
					-	20	20	
				Total Benefit	-			
				Total Outlet	20			
				Total - Non-Agricultural	20			

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Benefit	Outlet	Total	Equivalent Ha.
Public Lands								
5	Pt E 1/2 Lot 10	1.2	10-204-01	City of Kawartha Lakes	-	96	96	3.6
	Prospect Road	1.8		City of Kawartha Lakes	-	15	15	5.4
	Glenarm Road	4.1		City of Kawartha Lakes	-	428	428	16.2
					-	539	539	
				Total Benefit	-			
				Total Outlet		539		
				Total - Public Lands		539		
				Total - Public Lands		539		
				Total Non-Agricultural Lands		20		
				Total Agricultural Lands		5,301		
				Total Assessment	\$	5,860		

NOTE - * Pt E1/2 Lot 10, Concession 5 (ARN 10-204) has 7.7 ha of Bush)

- ** Pt Lot 11, Concession 5 (ARN 10-206) 13.5 ha of Subsurface Water)

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Special Benefit	Benefit	Outlet	Total	Equivalent Ha.
Public Lands									
5	Pt E 1/2 Lot 10	1.2	10-204-01	City of Kawartha Lakes	-	-	2,900	2,900	3.6
	Prospect Road	1.8		City of Kawartha Lakes	28,436	-	1,128	29,564	5.4
	Glenarm Road	4.1		City of Kawartha Lakes	45,714	-	14,323	60,037	16.2
					<u>74,150</u>	-	18,352	92,502	
				Total Special Benefit	74,150				
				Total Benefit	-				
				Total Outlet	<u>18,352</u>				
				Total - Public Lands	92,502				
				Total - Public Lands	92,502				
				Total Non-Agricultural Lands	711				
				Total Agricultural Lands	<u>178,637</u>				
				Total Assessment	\$ 271,850				

NOTE - NET ASSESSMENTS = TOTAL ASSESSMENT LESS AVAILABLE GRANTS LESS ALLOWANCES

- * Pt E1/2 Lot 10, Concession 5 (ARN 10-204) has 7.7 ha of Bush)
- ** Pt Lot 11, Concession 5 (ARN 10-206) 13.5 ha of Subsurface Water)

SCHEDULE OF ASSESSMENT
(Accepted by the Court of Revision)

Conc.	Lot or Part	Affected Hect.	Roll No.	Owner	Special Benefit	Benefit	Outlet	Total	Equivalent Ha.
Agricultural Land									
4	N 1/2 Lot 9	2.0	10-161	R. Graves	-	7,590	283	7,872	2.0
	S 1/2 Lot 10	5.7	10-162-10	C. Jackson	-	5,675	1,595	7,269	5.7
	Pt N 1/2 Lot 10	1.6	10-163	D. Brown	-	-	1,014	1,014	1.6
5	W 1/2 Lot 10	44.3	10-200	E. Wechsel	-	57,314	30,906	88,220	44.3
	Pt E 1/2 Lot 10	28.8*	10-204	T. Bottan	-	-	20,455	20,455	25.2
	Pt Lot 11	53.6**	10-206	Victor Webster Farms Ltd.	-	5,675	48,133	53,807	46.9
					-	76,253	102,384	178,637	
				Total Special Benefit	-				
				Total Benefit	76,253				
				Total Outlet	102,384				
				Total - Agricultural	178,637				
Non-Agricultural Lands									
4	Pt N 1/2 Lot 10	0.4	10-163-01	J. McFeeters	-	-	250	250	0.4
	Pt. Lot 11	0.3	10-206-01	T. Bottan	-	-	461	461	0.5
					-	-	711	711	
				Total Special Benefit	-				
				Total Benefit	-				
				Total Outlet	711				
				Total - Non-Agricultural	711				

Webster Drain
City of Kawartha Lakes
June 3, 2019

SPECIFICATION OF WORK

1. Scope of Work

The work to be included in this specification includes the deepening of an existing channel and the excavation of a new channel to be incorporated as the Webster Drain from the Part of L9, Concession 4, through the S1/2 of L10, Concession 4, through the W1/2 of L10, Concession 5 to its top end at the S Pt of L11, Concession 5 in the City of Kawartha Lakes.

2. General

Each tenderer must inspect the site prior to submitting their tender and satisfy themselves by personal examination as to the local conditions that may be encountered during this project. The Contractor shall make allowance in their tender for any difficulties which he may encounter. Quantities or any information supplied by the Engineer is not guaranteed and is for reference only.

All work and materials shall be to the satisfaction of the Drainage Superintendent who may vary these specifications as to minor details but in no way decrease the proposed capacity of the drain.

The Contractor shall be responsible for the notification of all utilities prior to the start of construction.

Measurement for Payment Clauses has not been included in these specifications and will be part of the Construction document. If the Construction document has not identified Measurement for Payment Clauses, the Contractor must notify the City of Kawartha Lakes and request clarification 2 days prior to pricing the project.

3. Plans and Specifications

These specifications shall apply and be part of the Contract along with the General Specifications for Closed Drains and the General Specifications for Open Drains. This Specification of Work shall take precedence over all plans and general conditions pertaining to the Contract. The Contractor shall provide all labour, equipment, and supervision necessary to complete the work as shown in the Plans and described in these specifications.

Any work not described in these specifications shall be completed according to the Ontario Provincial Standard Specifications and Standard Drawings.

Any reference to the Owner contained in these Contract Documents shall refer to the City of Kawartha Lakes or the Engineer authorized by the City of Kawartha Lakes to act on its behalf.

4. Health and Safety

The Contractor at all times shall be responsible for health and safety on the worksite including ensuring that all employees wear suitable personal protective equipment including safety boots and hard hats.

When applicable the Contractor shall be responsible for traffic control as per the Ontario Traffic Manual Book 7 – Temporary Conditions (latest revision).

The Contractor shall be responsible to ensure that all procedures are followed under the Occupational Health and Safety Act to ensure that work sites are safe and that accidents are prevented. In the event of a serious or recurring problem, a notice of non-compliance will be issued. The Contractor will be responsible for reacting immediately to any deficiency and correcting any potential health and safety risk. Continuous disregard for any requirement of the Occupational Health and Safety Act could be cause for the issuance of a stop work order or even termination of the Contract.

The Contractor shall also ensure that only competent workers are employed onsite and that appropriate training and certification is supplied to all employees.

5. Workplace Safety and Insurance Board

The Contractor hereby certifies that all employees and officers working on the project are covered by benefits provided by the Contractor. The WSIB Clearance Certificate must be furnished prior to the execution of the Contract and updated every 90 days.

6. Benchmarks

The benchmarks are based on geodetic elevations. Elevations are available at the locations shown on the drawings. Where these elevations are on existing structures to be replaced, they shall be transferred by the Contractor prior to the removal of the culvert.

The Contractor is required to complete a benchmark loop prior to construction to verify the benchmarks. If discrepancies exist, the Contractor must notify the Drainage Superintendent and Engineer prior to completing any work.

7. Access and Working Area

Access to the worksite and the working area shall generally be from Glenarm Road, Prospect Road and along the drainage works.

The working area between station 0+150 and Prospect Road shall be from the north side of the existing channel and shall extend 20 metres from the top of bank with a 2 m wide strip on the southerly side.

The working area between Prospect Road and Glenarm Road shall be from the east side of the proposed channel and the south side of the existing and shall extend 30 metres east or south from the top of bank with a 2 m wide strip on the northerly and westerly sides.

8. Removal of Existing Culverts

The existing road culverts shall be removed in their entirety. The steel culvert shall be disposed offsite at the expense of the Contractor. Suitable backfill shall be stockpiled adjacent to the site for reuse during installation of the proposed culvert.

9. Brushing and Tree Removal

All brush, trees, woody vegetation, etc. shall be removed from the working area/allowance of the drain. Other brush and trees may be removed from the side the equipment is operating to allow access for the equipment. Trees and brush shall be removed in their entirety including stumps and piled and burnt by the Contractor. Trees and brush on the side slopes shall be close cut. A stump killer pesticide manufactured for the purpose shall be applied to stumps according to manufacturer's specifications.

Brush can be cut with a chainsaw. A mechanical tree shear mower can be used on brush smaller than 35 mm in diameter. The Contractor shall be responsible for obtaining all necessary burning permits.

Certain trees may be left in place at the direction of the Drainage Superintendent. Any trees to be salvaged by the individual landowners shall be removed by the landowners with all resulting brush and branches cleaned up prior to the start of construction. If the Contractor agrees to remove any trees and set them aside for a landowner, the landowner will be responsible for any cleanup as above.

10. Excavation of Channel

The proposed channel shall have a 1.0 m wide bottom and a minimum of 3:1 side slopes. In areas where there is exposed rock the side slopes can be increased to 1:1. The existing topsoil in the area of the excavation shall be stripped and stockpiled within the working area. The centre of the channel shall be in the same location as the existing channel.

The side slopes of the new channel shall be seeded as soon as the final grading is completed. The channel shall be excavated to the proper depth using a laser or similar approved device with a labourer onsite to ensure correctness of grade and to confirm location of tile ends.

Any spoils shall be levelled within the working area. Spoils shall be placed a minimum 1.5m back from the top of the bank. The excavated material shall be placed and levelled to a maximum depth of two hundred millimetres (200 mm) and shall not impede overland drainage or cultivation of the land using farm machinery. If the spoils have sub-soil in them, the topsoil shall be windrowed along the edge of the working corridor prior to placing the sub-soil. After the excavated material has been levelled, the topsoil shall be spread to its original depth and left in a condition suitable for cultivation.

If Landowners request the spoils be disposed of outside the working area, a sign-off from the receiving property must be obtained. Costs associated with disposing of spoils outside the working area are the responsibility of the contractor. No additional payment will be made for disposing of spoils outside the working area.

Restoration shall be in accordance with the restoration specification.

11. Rock Excavation (Provisional)

Rock excavation may be required to complete the open channel and culvert installations. If the Contractor chooses to drill and blast rock within the project limits the Contractor will be required to adhere to the monitoring and vibration control portion of this specification. **The monitoring and vibration control portion of this specification does not apply to rock excavation with a hammer or excavator.** The items described are to be carried out to the provisions of OPSS 120 – General Specification For the Use of Explosives and OPSS 206 - Construction Specification for Grading.

Excavated rock shall be used to fill in the side slopes throughout the open channel as directed by the Drainage Superintendent or otherwise disposed offsite at the Contractors expense.

A slight grade change of up to 0.15 m may be permitted if the rock grade is within the excavated area. However all grade raises must be approved in writing by the Engineer prior to any grade changes. Standing water within the channel is not permitted.

The Contractor will only be permitted to blast between 8:00 am and 6:00 pm.

The following utilities and agencies shall be notified at least 72 hours prior to blasting. Additional requirements as described in OPSS 120 shall be followed.

- City of Kawartha Lakes
- Hydro One
- Bell Canada

The Contractor, through the services of a Blasting Consultant, shall monitor the vibration levels at the closest building and/or service to the blast site during each blast. The monitoring equipment shall meet the requirements of the Pre-Condition Survey and Vibration Monitoring.

The Contract must also meet all conditions of the applicable utility companies.

The following will apply when excessive vibration readings are measured:

Should any two (2) consecutive readings fall between 50 and 80 mm/s PPV, the Blasting Contractor shall cease all further blast hole loading other than those required for a 'third' reading. Should this third reading be below 50 mm/s PPV, the loading of the blast holes may continue. Should the third reading be in excess of 50 mm/s PPV, the Blasting Contractor shall cease all blasting in the area and move to a new area and continue blasting. The Blasting Contractor shall then submit a revised loading pattern as approved by the Blasting Consultant to the Contract Administrator for the area where blasting was discontinued.

Should any one (1) reading be in excess of 80 mm/s PPV, the Blasting Contractor shall cease all further blast hole loading other than those required for one subsequent reading. Should this reading fall below 50 mm/s PPV, blasting may continue. Should this reading be in excess of 50 mm/s PPV, the Blasting Contractor shall cease all blasting in the area and move to a new area and continue blasting. The Blasting Contractor shall then submit a revised loading pattern as approved by the Blasting Consultant to the Contract Administrator for the area where blasting was discontinued.

After blasting, the Blasting Contractor must perform a site condition survey of buildings and services to determine if any damage has resulted upon completion of blasting or immediately

following the receipt of a complaint. Any damage must be reported in writing immediately to the Contract Administrator.

A blast report summarizing the results of the vibration and air blast levels shall be submitted to the Contract Administrator at the end of each work day in which blasting is carried out. Copies of the seismic records shall be made available if requested.

12. Installation of Road Crossings

The Contractor shall supply, install, and backfill aluminized corrugated steel pipe with a minimum wall thickness of 2.8 mm in all cases. All corrugation profiles shall be of helical lockseam manufacture using 68 x 13 mm corrugations for 1600 mm dia. pipe and smaller and 125 x 25 mm corrugations for 1800 mm dia. pipe and larger. Pipe with 125 x 25 mm corrugations shall be used if 68 x 13 mm corrugations are not available. Future culvert replacements shall be to the same specifications.

The proposed culverts shall be installed in the same general location as the existing culverts. The location of the culvert may be moved a short distance if approved by the Engineer or Drainage Superintendent in writing.

The bottom of the excavation for both the culvert and tile shall be excavated to the required depth with any over excavation backfilled with granular material or 19mm clear stone. When the culvert has been installed to the proper grade and depth, the excavation shall be backfilled with granular or 19mm clear stone from the bottom of the excavation to the springline of the pipe. Care shall be taken to ensure that the backfill on either side of the culvert does not differ by more than 300 mm so that the pipe is not displaced. Within the road allowance the pipe and culvert shall be backfilled from the springline to finished grade with compacted granular "B" material within 150 mm of finished grade. Granular B material shall be mechanically compacted to 98% modified standard proctor density. Outside the road allowance excavated material can be used. The top 150 mm of Granular "A" material shall be mechanically compacted to 100% modified standard proctor density. Payment for additional material shall be at the unit price specified in the Contract documents. Asphalt shall be HL4 and have a minimum thickness of 50 mm and shall match the existing road.

It is the Contractors responsibility to locate and expose any utilities prior to the installation of any culvert or tile. If there is a conflict with the tile elevation, the Contractor is required to notify the Engineer.

Rip rap ends are to be used with 1.5:1 side slopes. The rip rap shall consist of 100 mm x 250 mm quarry stone or approved equal. The area to receive the rip rap shall be graded to a depth of 400 mm below finished grade. Filter fabric (Terrafix 270R or approved equal) shall then

be placed with any joints overlapped a minimum 600 mm. The quarry stone shall then be placed with the smaller pieces placed in the gaps and voids to give it a uniform appearance.

If concrete blocks are used, the culvert shall be shortened to accommodate the difference in length. The concrete blocks shall have dimensions of approx. 600 mm x 600 mm x 1200 mm, 600 mm x 600 mm x 2400 mm or 300 mm x 600 mm x 1200 mm as required. The top of the culvert shall govern block elevation. The correct block shall be set with the top of the block equal to the top of the culvert. The blocks shall be set at each end of the culvert so that each row of blocks will be offset approx. 100 mm from the row below. The bottom row shall consist of one block placed parallel to the culvert. The blocks shall be imbedded a minimum of 300 mm into each bank and shall extend into the drain bottom to match the pipe invert or below.

The blocks shall be placed over a layer of filter fabric (Terrafix 270R or approved equal). The culvert shall be backfilled in conjunction with the placement of the blocks. The gaps between the culvert and the blocks shall be filled with concrete cinder blocks/bricks and mortar to give the endwall a finished appearance.

Restoration shall occur in accordance with Specification 16.

13. Subsurface Drainage

The landowners are responsible to mark all tile outlets entering the drain. The landowner is responsible for all costs to maintain private tile outlets. Any washouts along the channel banks caused by surface or subsurface water entering the channel through private facilities shall be repaired at the direction of the Drainage Superintendent with the costs assessed to the benefiting landowner.

Tile ends shall be repaired with equivalent sized non perforated HDPE agricultural tubing with a manufactured coupling and rodent grate. In the case of concrete or clay tile, the tile end shall be excavated into the bank a minimum of 3 metres. Any washouts from surface water or at tile ends shall be repaired with rip rap (100 mm x 250 mm quarry stone or gabion stone) and filter fabric (Terrafix 270R or approved equal).

The area to receive rip rap shall be graded to a minimum depth of 300 mm. If the washout is greater than 300 mm then excavated or fill material shall be placed to sub-grade. The filter fabric shall then be placed with any joints overlapped a minimum of 600 mm. The rip rap shall then be placed to a depth of 300 mm and from the base of the side slope to the top of the bank with the smaller pieces being placed in the gaps and voids to give it a uniform appearance. The area to receive rip rap shall be graded and the rip rap placed to allow any surface water directed to this area to be allowed to enter the channel over the rip rap. The rip

rap shall generally be keyed to a depth of 600 mm at the top of the bank. Any native material that has washed into the channel shall be removed and spread on the adjacent property.

There are no known sub-surface drains entering the channel.

14. Outlet Works

When light duty silt fencing has been specified it shall be constructed immediately downstream of any outlet works for the duration of construction.

The light duty silt fencing shall be supplied and installed in accordance with OPSS 577 and OPSD 219.110. The light duty silt fencing shall be removed once the disturbed area has been revegetated.

15. Fencing

The Contractor shall remove any cross fences necessary to carry out construction operations. Upon completion of the work, the fences shall be reconstructed using existing materials.

16. Restoration

Road restoration shall be in accordance with the following:

- Excavation in accordance with OPSS 206.
- Compaction in accordance with OPSS 501 (Prov.).
- 150 mm of Granular 'A' and 300 mm of Granular 'B'. Granular in accordance with OPSS 1010.
- Disturbed areas within the road right-of-way shall be restored in accordance with the contract drawings and include roadside ditching, 100 mm of native topsoil and seed. Topsoil in accordance with OPSS 802. Seed in accordance with OPSS 804.

Seeding Application rates are as follows:

- Primary seed (85 kg/ha.) consisting of 50% red fescue, 40% perennial ryegrass and 5% white clover.
- Nurse crop consisting of Italian (annual) ryegrass at 25% of total weight.
- Fertilizer (300 kg/ha.) consisting of 8-32-16.

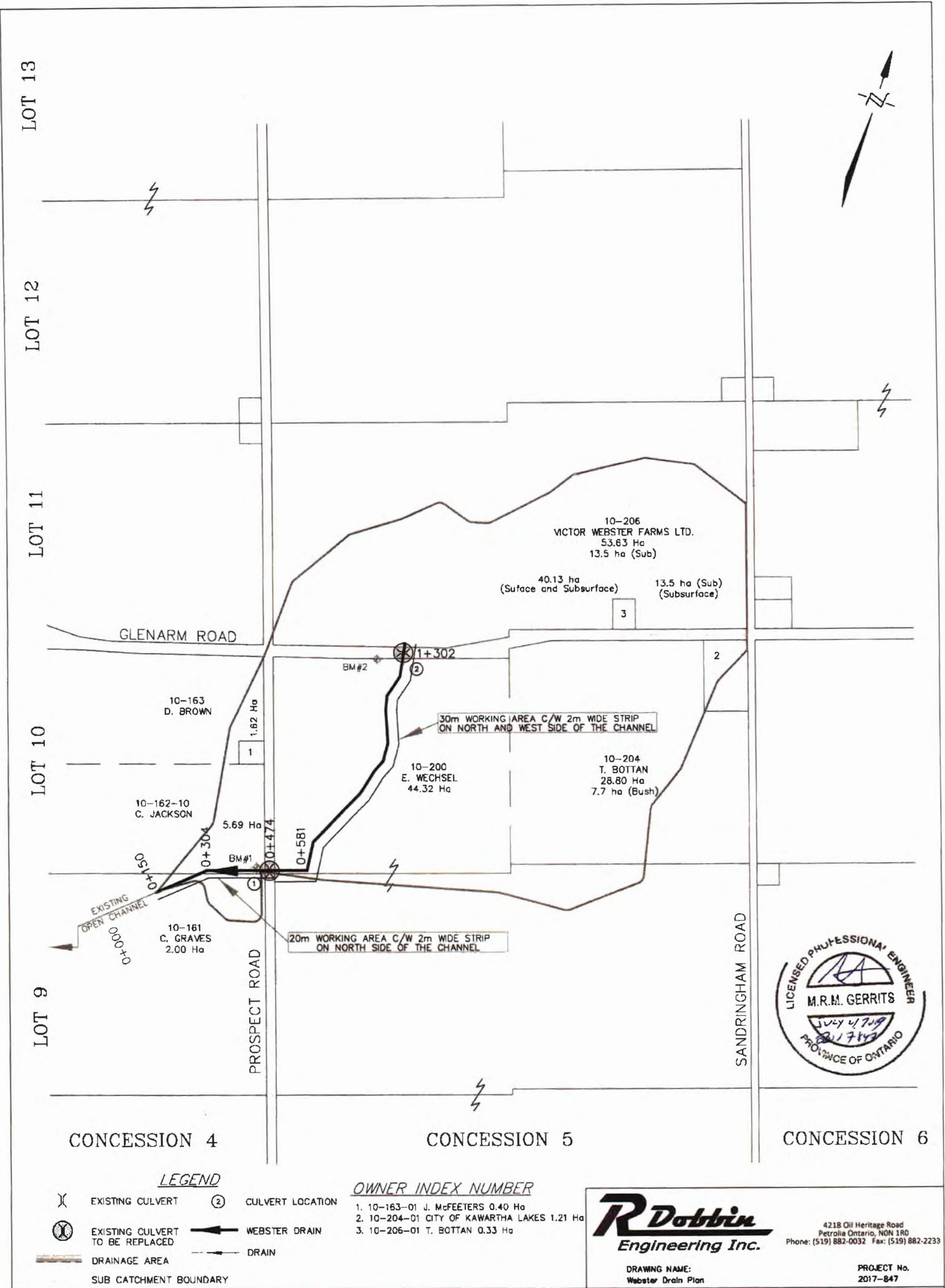
17. Environmental Considerations

The Contractor shall take care to adhere to the following considerations.

- All activities, including maintenance procedures, shall be controlled to prevent the entry of petroleum products, debris, rubble, concrete, or other deleterious substances into the water. Vehicle and equipment refuelling and maintenance shall be conducted away from the channel, any surface water runs, or open inlets. All waste materials shall be stockpiled well back from the top of the bank and all surface water runs and open inlets that enter the drain.
- The Contractor shall install a silt fence downstream of the work area. The silt fence shall consist of filter fabric or manufactured silt fence supported with posts. The silt fence shall be removed once all construction is completed.
- The Contractor shall maintain a dry working area during construction.
- All construction in the channel shall be carried out during periods of low flow.

18. Miscellaneous

When crossing utilities the Contractor is responsible to co-ordinate construction with the affected companies and complete construction in accordance with the affected company requirements.



APPROVED M. GERRITS	SCALE: 1:10,000 0 100 200 300m			
CHECKED B. VAN RUITENBERG	NO.	REVISIONS	DATE	BY
DRAWN J. WARNER	3	WATERSHED ADJ.	JULY 4, 2019	MG
	2	FINAL REPORT	JUNE 3, 2019	MG
	1	FOR CA APPROVAL	JAN. 18, 2019	JW

CITY of KAWARTHA LAKES

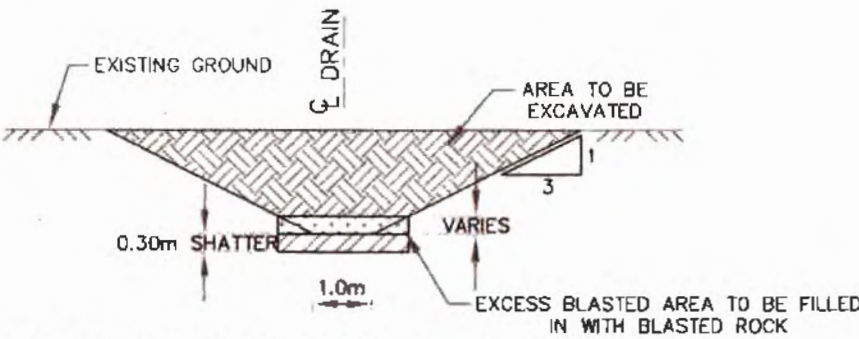
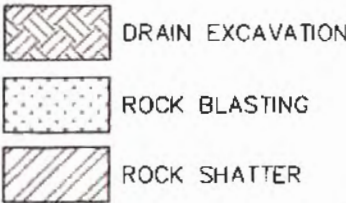
WEBSTER DRAIN
PLAN

1
OF 4

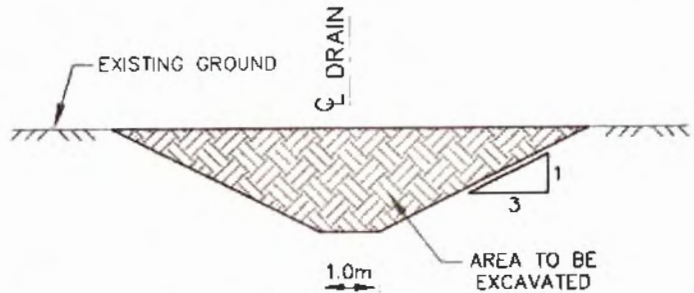
GENERAL NOTES

1. BENCHMARK No.1 ELEV. 286.07
TOP WEST END OF EXISTING 900mmØ
CSP, STATION 0+474

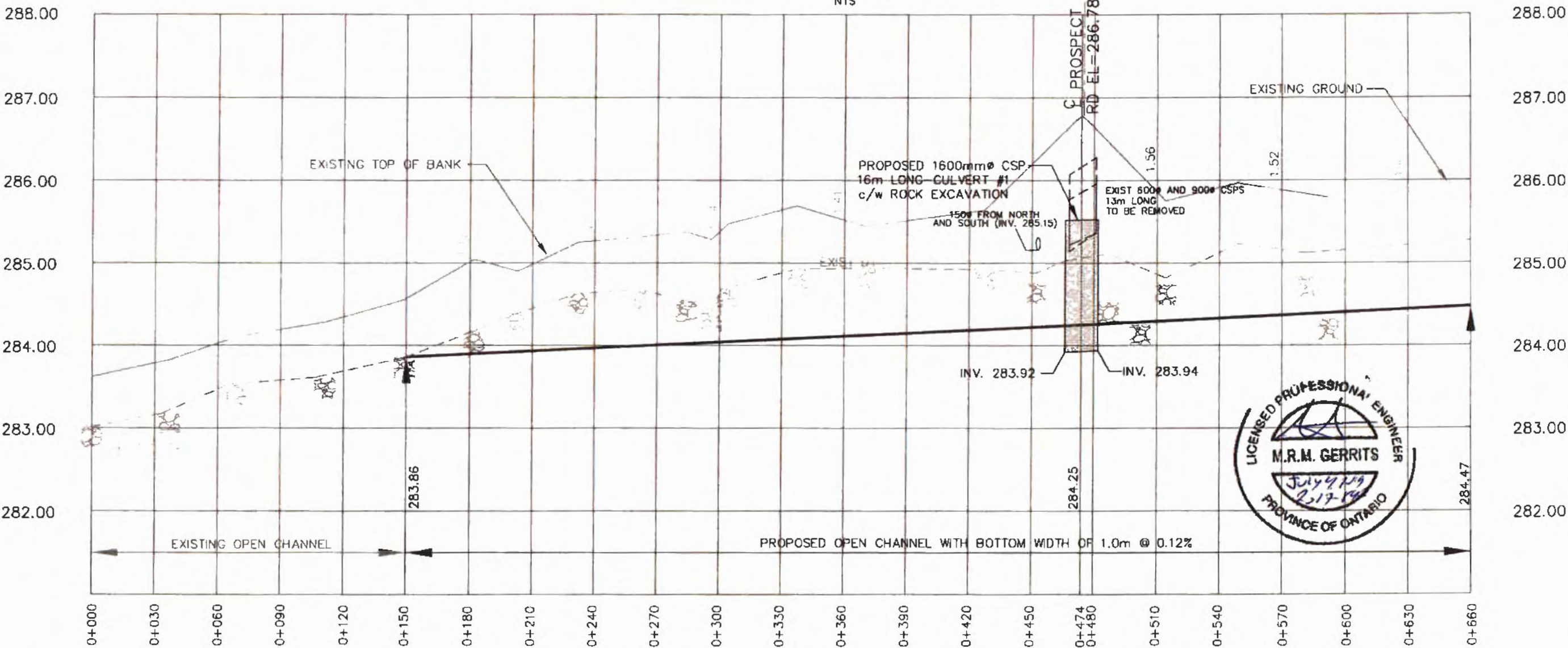
2. UPPER NUMBERS ARE DEPTH FROM GROUND/
TOP OF BANK TO BOTTOM OF NEW CHANNEL.



TYPICAL DRAIN CROSS SECTION IN EARTH AND ROCK
NTS



TYPICAL DRAIN CROSS SECTION IN EARTH
NTS



R Dobbin
Engineering Inc.

4218 Oil Heritage Road
Petroliia Ontario, N0N 1R0
Phone: (519) 882-0032 Fax: (519) 882-2233

DRAWING NAME:
Webster Drain Profile 1

PROJECT No.
2017-847

APPROVED
M. GERRITS

CHECKED
B. VAN RUITENBURG

DRAWN
J. WARNER

NO.	REVISIONS	DATE	BY
3	FINAL REPORT	JULY 4, 2019	MG
2	FINAL REPORT	JUNE 3, 2019	MG
1	FOR CA APPROVAL	JAN. 18, 2019	JW

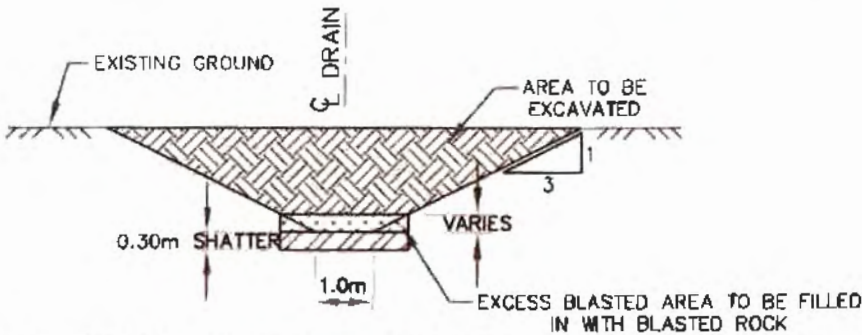
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CITY of KAWARTHA LAKES
WEBSTER DRAIN
PROFILE

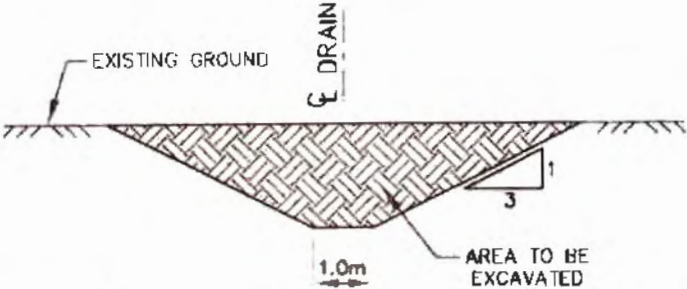
2
OF 4

GENERAL NOTES

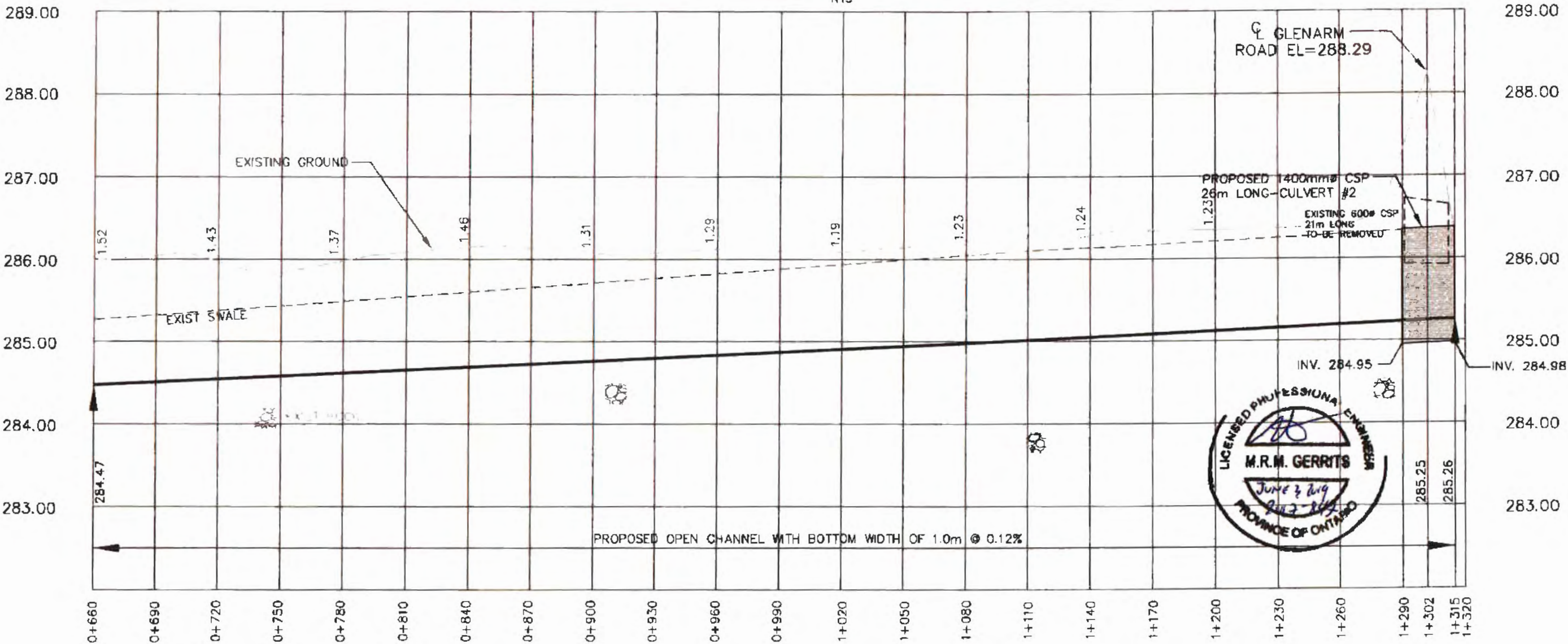
- 1. BENCHMARK No.2 ELEV. 287.57
TOP OF NAIL ON HYDRO POLE ON THE SOUTH SIDE
OF GLENARM ROAD APPROXIMATELY 75m WEST
OF PROPOSED DRAINAGE WORKS (STA. 1+291)
- 2. UPPER NUMBERS ARE DEPTH FROM
GROUND TO BOTTOM OF NEW CHANNEL



TYPICAL DRAIN CROSS SECTION IN EARTH AND ROCK
NTS



TYPICAL DRAIN CROSS SECTION IN EARTH
NTS



4218 Oil Heritage Road
Petrolia Ontario, N0N 1R0
Phone: (519) 882-0032 Fax: (519) 882-2233

DRAWING NAME:
Webster Drain Profile 2

PROJECT No.
2017-847

APPROVED
M. GERRITS

CHECKED
B. VAN RUITENBURG

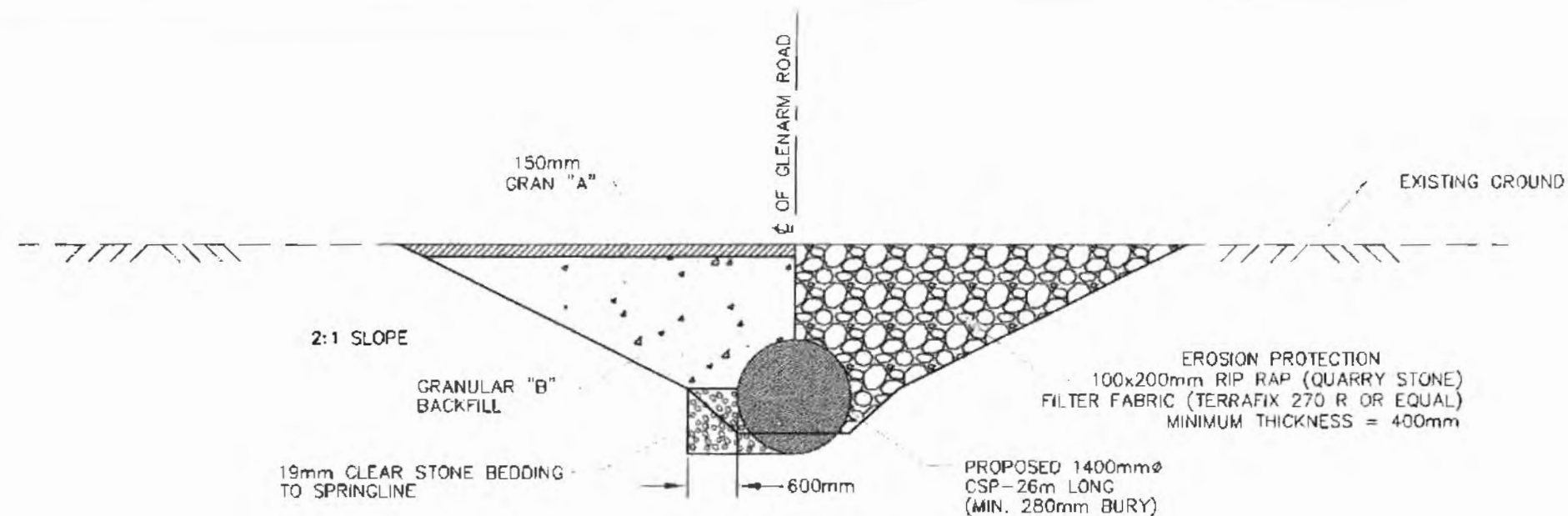
DRAWN
J. WARNER

NO.	REVISIONS	DATE	BY
2	FINAL REPORT	JUNE 3, 2019	MG
1	FOR CA APPROVAL	JAN. 18, 2019	JW

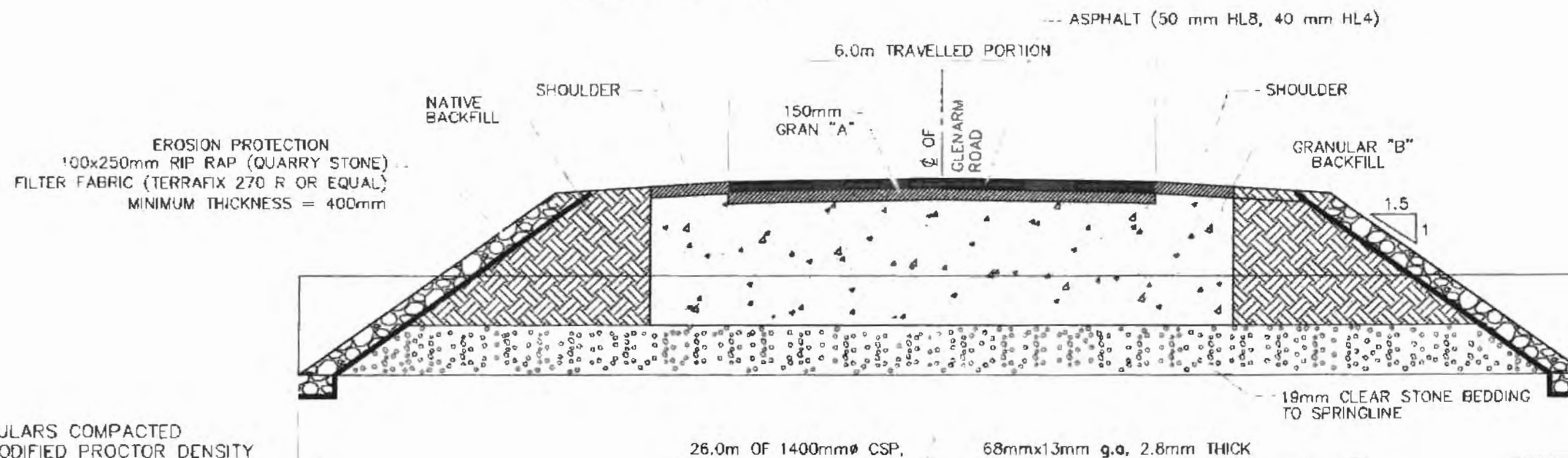
SCALE: 1:2,000
0 20 40 60m

CITY of KAWARTHA LAKES
WEBSTER DRAIN
PROFILE

3
OF 4



PROPOSED PIPE END SECTION
CULVERT #2
 (NON TRAVELLED PORTION)



NOTE:

1. ALL GRANULARS COMPACTED TO 98% MODIFIED PROCTOR DENSITY
2. INVERTS TO BE CONFIRMED AT TIME OF CONSTRUCTION
3. CULVERT #1 DOES NOT REQUIRE ASPHALT LIFT.

PROPOSED CROSS-SECTION
CULVERT #2



R Dobbin
Engineering Inc.

DRAWING NAME:
 Webster Drain Culvert Detail

4218 Oil Heritage Road
 Petrolia Ontario, N0N 1R0
 Phone: (519) 882-0032 Fax: (519) 882-2233

PROJECT No.
 2017-847

APPROVED	NO.	REVISIONS	DATE	BY
R. DOBBIN				
	2	FINAL REPORT	MAY 8, 2019	MG
CHECKED	1	FOR CA APPROVAL	JAN. 18, 2018	JW
B. VAN RUITENBURG				
DRAWN				
J. WARNER				

SCALE 1:75
 0 2m

CITY of KAWARTHA LAKES
WEBSTER DRAIN
ROAD CULVERT DETAIL

4
OF 4

The Corporation of the City of Kawartha Lakes

By-law 2019-XXX

A By-Law to Confirm the Proceedings of a Regular Meeting of Council, Tuesday, December 10, 2019

Recitals

1. The Municipal Act, 2001, S.O. 2001 c. 25 as amended, provides that the powers of a municipal corporation are exercised by its Council.
2. The Municipal Act, also provides that the Council's powers must be exercised by by-law.
3. For these reasons, the proceedings of the Council of The Corporation of the City of Kawartha Lakes at this meeting should be confirmed and adopted by by-law.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2019-XXX.

Section 1.00: Confirmation

- 1.01 The actions of the Council at the following meeting:

Tuesday, December 10, 2019, Open Session, Regular Council Meeting

and each motion, resolution and other action passed or taken by the Council at that meeting is, except where prior approval of the Ontario Municipal Board is required, adopted, ratified and confirmed as if all such proceedings had been expressly embodied in this By-law.

- 1.02 The Mayor and the proper officials of the City are authorized and directed to do all things necessary to give effect to the actions of the Council referred to in Section 1.01 of this By-law. In addition, the Clerk is authorized and directed to affix the corporate seal to any documents which require it.

Section 2.00: General

- 2.01 This By-law shall come into force on the date it is finally passed.

By-law read a first, second and third time, and finally passed, this 10th day of December 2019.

Andy Letham, Mayor

Cathie Ritchie, City Clerk