

Memorandum of Understanding

THIS MEMORANDUM OF UNDERSTANDING made the _____ day of, 20 ____ .

B E T W E E N:

HALDIMAND COUNTY

("the Municipality")

OF THE FIRST PART

- and -

GRAND RIVER CONSERVATION AUTHORITY

("the GRCA")

OF THE SECOND PART

WHEREAS the GRCA is a conservation authority established under the Conservation Authorities Act R.S.O 1990, c.C27 ("Act") and is governed by its members appointed by participating municipalities in accordance with the Act;

AND WHEREAS a participating municipality is located wholly or in part within the area under the jurisdiction of the GRCA as shown in Schedule "A";

AND WHEREAS the Act permits the GRCA to provide non-mandatory programs and services under a memorandum of understanding or such other agreement as may be entered into with the Municipality;

AND WHEREAS a Municipality is requesting the GRCA to deliver programs and services within the GRCA's areas of expertise and jurisdiction as identified in Schedule "B";

AND WHEREAS the Municipality is authorized to enter into this Memorandum of Understanding with the GRCA for the delivery of programs and services;

AND WHEREAS the Municipality and the GRCA wish to enter into this Memorandum of Understanding to document the terms and conditions for the programs and services to be performed by the GRCA on behalf of the Municipality;

AND WHEREAS it is mutually desirable to further specify the details of programs or services if applicable, such details shall be set out in one or more separate Letter Agreements to be signed by authorized staff of each Party, from time to time, in the form as attached hereto as Schedule "C";

NOW THEREFORE the Parties hereto agree and covenant with one another as follows:

PART I – INTERPRETATION

Definitions

1. For the purposes of this Memorandum of Understanding including the preceding recitals:
 - a) "**Letter Agreement**" means a separate agreement made pursuant to this Memorandum of Understanding to be entered into by the GRCA and the Municipality in relation to certain Programs and Services setting out further details and specific requirements, including roles and responsibilities, workplans, payment amounts and terms, and timelines for deliverables;
 - b) "**Programs and Services**" means work to be provided by the GRCA on behalf of the Municipality, and "**Program**" and "**Service**" has a corresponding meaning;
 - c) "**Responsible Municipal Official**" means the Municipality's Senior Manager or Manager

responsible for a particular Program and Service and includes his or her designate or successor;

2. (1) In this Memorandum of Understanding:

- a) grammatical variations of any terms defined herein have similar meanings to such defined terms;
- b) words in the singular include the plural and vice-versa; and every use of the words “including” or “includes” in this Memorandum of Understanding is to be construed as including, “without limitations”: or includes “without limitations”
- c) the insertion of headings are for convenience of reference only and shall not affect the construction or interpretation of this Memorandum of Understanding or be used to explain or clarify the sections, clauses or paragraphs below which they appear.

3. The attached Schedules form part of this Memorandum of Understanding.

4. In the event of any inconsistency between any of the provisions of the main terms and conditions of this Memorandum of Understanding and any Letter Agreement or Schedules, the inconsistency will be resolved by reference to the following descending order of priority: (i) Memorandum of Understanding; (ii) the Schedule(s) to this Memorandum of Understanding; and (iii) unless otherwise expressly agreed upon in a Letter of Agreement, the applicable Letter of Agreement

PART II – GENERAL TERMS

Entire Agreement

5. This Memorandum of Understanding, including any Letter Agreements made pursuant hereto from time to time, embodies and constitutes the sole and entire agreement between the Parties, with respect to the subject matter dealt with herein and supersedes all prior agreements, understandings, and arrangements, negotiations, representations and proposals, written and oral, relating to matters dealt with herein, excepting any and all prior agreements between the parties for the provision of certain Programs and Services to the extent that such agreements do not conflict with the terms or scope of this Memorandum of Understanding.

Scope and Use

6. (1) The parties hereto agree that all Programs and Services identified in Schedule “B” are to be delivered by the GRCA to the Municipality pursuant to and in accordance with this Memorandum of Understanding and any and all Letter Agreements.

(2) Notwithstanding the foregoing, the Municipality acknowledges and agrees that all Programs and Services identified in Schedule “B” shall also be included in a Watershed-based Resource Management Strategy that the GRCA is required to develop and implement under the *Conservation Authorities Act*.

Term of Agreement

7. (1) The term of this Memorandum of Understanding shall be for a period of five (5) years commencing on the date the agreement is made (“**Initial Term**”), unless terminated earlier pursuant to the terms and conditions of this Memorandum of Understanding.

(2) Unless this Memorandum of Understanding has been terminated early in accordance with the terms or conditions of this Memorandum of Understanding, the Memorandum of Understanding shall be automatically renewed for a further five (5) year terms (“**Extension Term**”), on the same terms and conditions contained herein.

(3) Notwithstanding the foregoing, in the event that one or more Letter Agreements is ongoing at the time of termination or expiration, then the rights, obligations, liabilities and remedies of the Parties with respect to such Letter Agreement shall continue to be governed by the terms and conditions of this Memorandum of Understanding until the date of expiration of the Letter Agreement.

Review of Memorandum of Understanding at Regular Intervals

8. (1) This Memorandum of Understanding and Letter Agreement shall be reviewed by the Parties on an annual basis.

(2) It shall be the GRCA's responsibility to initiate the annual review with the Municipality.

Memorandum of Understanding Available to the Public

9. This Memorandum of Understanding shall be published on the GRCA's website as required under *Ontario Regulation 400/22*.

Communications Protocol

10. As applicable, the Parties shall establish a communications protocol in respect of the Programs and Services governed by this Memorandum of Understanding.

Service Delivery Standards

11. Each Letter Agreement will set out service delivery standards that the GRCA is required to meet.

Municipality Responsibility to Consult on Budget Changes

12. The Municipality shall consult with the GRCA 180 days, or as soon as reasonably possible, in advance of a proposed change to approved budgets related to this Memorandum of Understanding.

GRCA to Notify Municipality on Terminations

13. The GRCA shall notify the Municipality within 30 days, or as soon as reasonably possible, in the event of the expiry or earlier termination of this same Memorandum of Understanding with any other municipality or municipalities.

Records

14. (1) The GRCA shall prepare and maintain, in accordance with accepted accounting practices, proper and accurate books, records, and documents respecting Programs and Services provided under this Memorandum of Understanding and any Letter Agreement.

(2) The GRCA shall make such books, records, and documents available for inspection by the Municipality at all reasonable times.

Fees and Payment

15. (1) The amount of total annual fees effective January 1, 2024, is as set out in the Letter Agreement.

(2) An increase will be applied to the total fees effective January 1 each calendar year and will be the same percentage as the GRCA's overall combined Category 1 and General operating expenses and capital costs increase, net of any applicable funding reductions.

(3) The fees apportioned to the Municipality will be calculated annually using the Modified Current Value Assessment (MCVA) apportionment method, which shall be based on the ratio that the Municipality's MCVA bears to the total MCVA for all municipalities which have also entered into Letters of Understanding for programs and services listed in Schedule "B". MCVA information is provided to the GRCA annually by the provincial ministry that administers the Conservation Authorities Act. The amount of the fees apportioned to the Municipality shall be provided annually at least 30 days before the General Membership meeting at which the apportionment is approved in accordance with *O.Reg.402/22 Budget and Apportionment*.

(4) In addition to the foregoing cost structure for Programs and Services provided in the Letter Agreement, the GRCA may charge a user fee to third parties in the delivery of any Programs and Services listed, as appropriate and upon prior notification to the Municipality.

(5) The GRCA will seek additional funding opportunities, where feasible and applicable, to reduce the total annual fees for Programs and Services, which may reduce the amount apportioned to participating municipalities.

Insurance

16. (1) The GRCA shall obtain, maintain, and provide to the Municipality, Certificates of Insurance of the following insurance policies issued by an insurance company licensed to write in the Province of Ontario, and shall ensure that the following insurance policies are maintained and kept in force at all times during the term of this Memorandum of Understanding, unless otherwise set out in the Letter Agreement:

(a) Commercial General Liability Insurance as follows:

- (i) is in the amount of not less than Five Million Dollars (\$5,000,000.00) per occurrence;
- (ii) adds the Municipality, its boards, agencies, commissions, and subsidiary operations, as applicable, as additional insured(s) but only with respect to liability arising out of the operations of the GRCA in the provision of Programs and Services under this Memorandum of Understanding;
- (iii) has provisions for cross-liability and severability of interests, blanket form contractual liability, owners' and contractors' protective liability, broad form property damage, products and completed operations, non-owned automobile liability, and any other provision relevant as detailed in the Letter Agreement or this Memorandum of Understanding.

(2) All policies of insurance required to be provided pursuant to this section shall contain or be subject to the following terms and conditions:

- (a) each Certificate shall contain a provision requiring the insurers to notify the Municipality in writing at least thirty (30) days before any cancellation of the insurance required under this clause;
- (b) the parties agree that insurance policies may be subject to deductible amounts, which deductible amounts shall be borne by the GRCA;
- (c) before the expiry of the policies of insurance, original signed certificates evidencing renewal will be provided to the Municipality upon request.

Notice

17. Any notice in respect of this Memorandum of Understanding or any Letter Agreement shall be in writing and shall be sufficiently given or made if made in writing and either delivered in person during normal business hours of the recipient on a business day to the party for whom it is intended to the address as set out below, or sent by registered mail or by email addressed to such party as follows:

(1) in the case of the Municipality, to:

Haldimand County
53 Thorburn Street South
Cayuga ON N0A 1E0

Attention:
Email:

(2) in the case of the GRCA, to:

Grand River Conservation Authority
400 Clyde Road, PO Box 729
Cambridge ON N1R 5W6

Attention: Samantha Lawson, Chief Administrative Officer
Email. slawson@grandriver.ca

or to such other addresses as the parties may from time to time notify in writing, and any notice so made or given shall be deemed to have been duly and properly made or given and received on the day on which it shall have been so delivered if the notice is delivered personally or by prepaid registered mail or email; or, if mailed, then, in the absence of any interruption of postal service affecting the delivery or handling thereof, on the third business day after the date of mailing.

Force Majeure

18. Neither party shall be in default with respect to the performance or nonperformance of the terms of the Letter Agreement or this Memorandum of Understanding resulting directly or indirectly from causes beyond its reasonable control (other than for financial inability) that could not reasonably have been foreseen, including, without limitation, any delay caused by war, invasion, riots, acts of terrorism or sabotage, acts of government authority (other than by the Municipality), plague, epidemic, pandemic, natural disaster, strike, lock-out, inability to procure material, acts, laws or regulations of government authority or other cause beyond the reasonable control of such party and not caused by the act or omission of such party, and the performance of such term or terms shall be extended for a period equivalent to the period of such delay. This provision should not relieve the Municipality of its obligation to pay fees and costs when due.

Governing Law

19. This Memorandum of Understanding and any Letter Agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein, and shall be treated in all respects as an Ontario contract.

Approvals in Writing

20. Any approval or consent required of the Municipality under a Letter Agreement may be given by the Responsible Municipal Official or any person specifically authorized by them in writing to do so.

No Agency

21. Nothing herein contained shall make, or be construed to make the Municipality or the GRCA a partner of one another nor shall this Memorandum of Understanding or a Letter Agreement be construed to create a partnership, joint venture, principal-agent relationship or employment relationship in any way or for any purpose whatsoever between the Municipality or the GRCA or between the Municipality, the GRCA and a third party. Nothing in this Memorandum of Understanding or any Letter Agreement is to be construed as authorizing one of the GRCA or the Municipality to contract for or to incur any obligation on behalf of the other of them or to act as agent for the other of them. Any reference herein this section to Municipality shall include its boards, agencies, commissions, and subsidiary operations.

Invalidity of any Provision

22. If any provision of this Memorandum of Understanding, or any Letter Agreement is invalid, unenforceable or unlawful, such provision shall be deemed to be deleted from this Memorandum of Understanding and all other provisions of this Memorandum of Understanding shall remain in full force and effect and shall be binding in all respects between the parties hereto.

Dispute Resolution

23. In the event of any dispute that arises in respect of the implementation of this Memorandum of Understanding or any Letter Agreement, the Parties will endeavour to resolve the matter through negotiation without the use of formal mediation or adjudication.

Further Assurances

24. The Parties agree to execute and deliver to each other such further written documents and assurances from time to time as may be reasonably necessary to give full effect to the provisions of this Memorandum of Understanding.

Amendments

25. This Memorandum of Understanding cannot be altered, amended, changed, modified, or abandoned, in whole or in part, except by written agreement executed by the parties, and no subsequent oral agreement shall have any validity whatsoever.

Early Termination

26. This Memorandum of Understanding shall terminate automatically upon either party providing the other party with prior written notice of their intention to terminate this Memorandum of Understanding given no less than one-hundred and eighty (180) days and no more than three hundred (300) days prior to the end of any calendar year during the Initial Term or Extension Term. Upon such written notice of intention to terminate this Memorandum of Understanding being given in any calendar year during the Initial Term or Extension Term, the date that is the last date of such calendar year or such date as may be otherwise agreed to by all parties in writing, shall be the "Termination Date". In the event this Memorandum of Understanding is terminated, any operating expenses and costs incurred by the GRCA for providing services to the Municipality shall be paid by the Municipality up to and including the Termination Date.

Enurement

27. This Memorandum of Understanding shall enure to the benefit and be binding upon the parties hereto and their successors and assigns permitted hereunder.

Execution

28. This Memorandum of Understanding may be executed in counterparts in writing or by electronic signature and delivered by mail, facsimile or other electronic means, including in Portable Document Format (PDF), no one copy of which need be executed by all of the parties, and all such counterparts together shall constitute one agreement and shall be a valid and binding agreement among the parties hereto as of the date first above written.

29. **IN WITNESS WHEREOF** the Municipality and the GRCA have signed this Memorandum of Understanding.

MUNICIPALITY:

Name
Position

Name
Position

I / We have authority to bind the Municipality.

GRAND RIVER CONSERVATION AUTHORITY

Samantha Lawson
Chief Administrative Officer

I have authority to bind the GRCA.

LIST OF SCHEDULES

Schedule "A": Map of GRCA jurisdiction
Schedule "B": Program and Service Areas
Schedule "C"- Letter Agreement(s)

Schedule "A": Map of GRCA jurisdiction

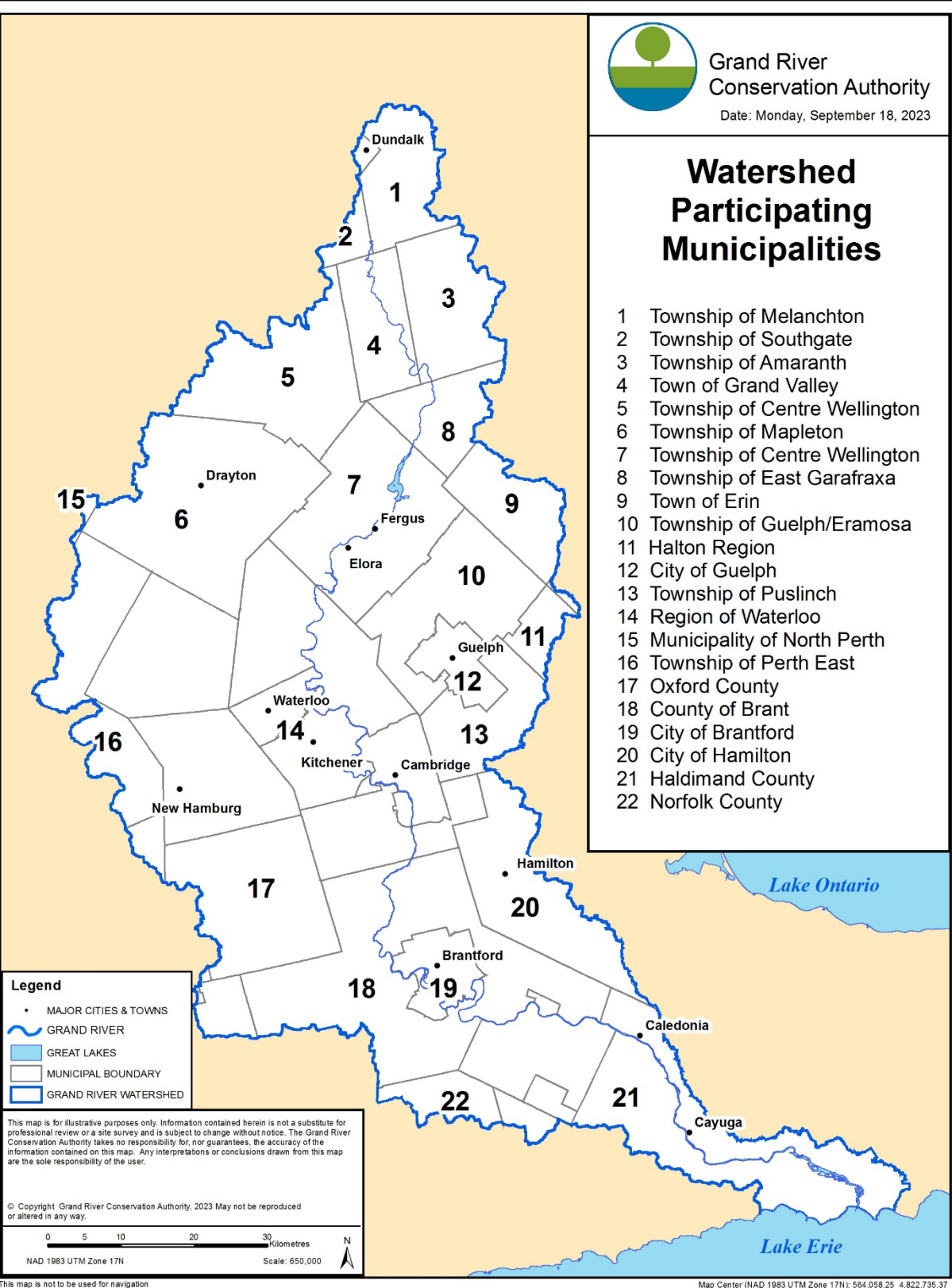


Grand River
Conservation Authority

Date: Monday, September 18, 2023

Watershed Participating Municipalities

- 1 Township of Melancton
- 2 Township of Southgate
- 3 Township of Amaranth
- 4 Town of Grand Valley
- 5 Township of Centre Wellington
- 6 Township of Mapleton
- 7 Township of Centre Wellington
- 8 Township of East Garafraxa
- 9 Town of Erin
- 10 Township of Guelph/Eramosa
- 11 Halton Region
- 12 City of Guelph
- 13 Township of Puslinch
- 14 Region of Waterloo
- 15 Municipality of North Perth
- 16 Township of Perth East
- 17 Oxford County
- 18 County of Brant
- 19 City of Brantford
- 20 City of Hamilton
- 21 Haldimand County
- 22 Norfolk County



Legend

- MAJOR CITIES & TOWNS
- GRAND RIVER
- GREAT LAKES
- MUNICIPAL BOUNDARY
- GRAND RIVER WATERSHED

This map is for illustrative purposes only. Information contained herein is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.

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0 5 10 20 30 Kilometres N

NAD 1983 UTM Zone 17N Scale: 650,000

This map is not to be used for navigation

Map Center (NAD 1983 UTM Zone 17N): 564,058.25 4,822,735.37

Schedule “B”: GRCA Programs and Services

The following provides a high-level summary for each of the Category 2 Programs and Services. Category 2 Program and Services are defined as non-mandatory programs and services under the *Conservation Authorities Act* that are provided at the request of the participating municipalities within the jurisdiction and expertise of the GRCA.

1. Sub-watershed Services

- Identify and recommend where subwatershed or watershed studies are needed
- Review and provide input to subwatershed studies or other regional-scale technical studies
- Undertake subwatershed monitoring to support municipal studies, including surface water and groundwater quality, equipment set-up and maintenance, fish and other aquatic community surveys
- Networking with conservation and environmental management agencies and organizations, and advocating on a watershed basis

2. Conservation Services

- Deliver municipal and partnership cost-share programs to support private land stewardship action
- Facilitate private land, municipal and community partner tree planting
- Coordinate education and outreach activities to promote actions to improve water quality and watershed health

3. Water Quality Programs

- Wastewater optimization
 - Support optimization of wastewater treatment plant operations through:
 - Knowledge sharing workshops
 - Hands-on training
 - Technical advice
 - Delivering a recognition program
 - Provide technical support for municipal assimilative capacity studies, EAs, master plans for water and wastewater services
 - Engage the provincial and federal governments to develop programs to reduce nutrient loads in rivers and streams, and ultimately Lake Erie
- Surface water quality monitoring, modelling, analysis and reporting
 - Operate and maintain continuous water quality stations
 - Maintain a water quality database
 - Develop and maintain a water quality model
 - Report on water quality and river health
 - Analyze and report on groundwater quality

4. Watershed Sciences & Collaborative Planning

- Watershed and landscape scale science and reporting:
 - Surface water and groundwater quality
 - Water use and supply
 - Natural heritage (terrestrial & aquatic), hydrologic functions
- Support cross-disciplinary integration and inform municipal watershed planning and water, wastewater, and stormwater master planning
- Foster cross-municipal resource management
 - Grand River Water Management Plan
 - Water Managers Working Group
- Liaise with provincial, federal agencies, NGOs

Schedule "C" Letter Agreements

LETTER AGREEMENT



Administration Centre: 400 Clyde Road, P.O. Box 729 Cambridge, ON N1R 5W6

Phone: 519-621-2761 Toll free: 1-866-900-4722 Fax: 519-621-4844 www.grandriver.ca

September 29, 2023

Haldimand County
53 Thorburn Street South
Cayuga ON N0A 1E0

BY EMAIL: Municipal Clerk, CAO/General Manager
eeichenbaum@haldimandcounty.on.ca; ccase@haldimandcounty.on.ca

RE: PROGRAMS AND SERVICES UNDER THE MEMORANDUM OF UNDERSTANDING DATED
THE _____ DAY OF _____, 2023

WHEREAS the Municipality and the GRCA entered into a memorandum of understanding on the ____ day of _____, 2023 (the "**Memorandum of Understanding**"), in regard to the provision of non-mandatory Programs and Services by the GRCA to the Municipality within the GRCA jurisdiction described in such Memorandum of Understanding;

AND WHEREAS the Memorandum of Understanding contemplates that a separate "Letter Agreement" or Letter Agreements are to be entered into by the Municipality and the GRCA under the Memorandum of Understanding in relation to certain Programs and Services as defined in the Memorandum of Understanding, setting out further details and specific requirements thereof;

NOW THEREFORE this letter sets out further details and specific requirements of certain Programs and Services to be provided under the Memorandum of Understanding by the GRCA to the Municipality, and shall be determined to be a "Letter Agreement" under the Memorandum of Understanding.

Programs and Services Terms and Provisions:

1.0 Term

The term of this Letter Agreement shall be for a period commencing on January 1, 2024, and terminating on the last day of the calendar year in which the Memorandum of Understanding expires or is otherwise terminated, unless otherwise agreed upon in writing by the GRCA and the Municipality.

2.0 Communication

2.1 The GRCA shall assign the Chief Administrative Officer as the primary contact for this agreement and they will have overall responsibility for the administration of the Memorandum of Understanding and Letter Agreement.

2.2 The GRCA shall assign the Manager of Water Resources as the contact for programs and services under this Agreement related to Conservation Services, Water Quality, and Watershed Sciences and Collaborating Planning, and the Manager of Engineering and Planning Services as the contact for programs and services under this Agreement related to Sub-watershed Services. The Managers shall be responsible for all day-to-day contacts; reporting, deliverables, and metrics; and to respond to any requests or inquiries about the GRCA's delivery of the programs and services under this Agreement.

3.0 Payment Amount and Terms

3.1 The fee apportioned to, and to be paid by the Municipality to the GRCA, for the calendar year 2024, in Canadian funds, is the sum of \$14,767.00. This amount is conditional on all participating municipalities in the GRCA watershed entering into a Memorandum of Understanding with the GRCA for the delivery of non-mandatory programs and services.

3.2 The fee to be apportioned to and paid by the Municipality for future calendar years may be increased in accordance with the Fees and Payment section of the Memorandum of Understanding. Such increase shall be subject to approval by the General Membership of the GRCA, and the apportionment shall be determined in part on the continued participation in future calendar years of municipalities in the GRCA watershed under a Memorandum of Understanding with the GRCA for the delivery of such non-mandatory programs and services..

3.3 An annual notice to pay shall be sent to the Municipalities following the GRCA's budget approval, and payment for the annual fees shall be made in three equal installments, due March 31, June 30, and September 30 of each calendar year.

3.4 The Category 2 Programs and Services Cost schedule based on the draft 2024 budget is as follows:

Programs & Services	Cost	Offsetting Funding	NET COST	Description of Funding
Sub-watershed Services	\$364,000	\$(130,000)	\$234,000	Municipal Funding
Conservation Services	\$1,348,000	\$(800,000)	\$548,000	Municipal Funding
Water Quality	\$157,000	\$(10,000)	\$147,000	Summer Student Grants
Water Quality - Wastewater Optimization Program	\$210,500	\$(130,000)	\$80,500	Provincial Grant
Water Quality - Groundwater Resources	\$8,500	\$-	\$8,500	
Watershed Sciences & Collaborative Planning*				
TOTAL	\$ 2,088,000	\$ (1,070,000)	\$ 1,018,000	

* Costs related to this activity integrated in the above listed programs and services.

4.0 Reporting, Deliverables, and Metrics

4.1 A schedule of metrics and deliverables for the programs and services is attached as Appendix 1 to this Letter Agreement. Beginning in 2025, where applicable, by March 15 of each year of this agreement, the GRCA shall contact the Municipality to set a meeting to conduct the annual review of the Memorandum of Understanding, this Letter Agreement, and to provide an annual report to the Municipality outlining the metrics for the previous calendar year. Where the metrics are available upon request, the GRCA will respond to the request for metrics within 30 days of the request.

General Provisions:

5.0 The provisions of the Memorandum of Understanding from Sections 14 (Records) to and including 23 (Dispute Resolution), as well as those set out in Schedule "B" thereto, shall apply, *mutatis mutandis*, to this Letter Agreement, and this Letter Agreement shall be read together with such provisions of the Memorandum of Understanding.

6.0 Any capitalized word or term not otherwise defined herein shall have the meaning given thereto in the Memorandum of Understanding.

7.0 This Letter Agreement cannot be altered, amended, changed, modified, or abandoned, in whole or in part, except by written agreement executed by the parties, and no subsequent oral agreement shall have any validity whatsoever.

8.0 This Letter Agreement and the Memorandum of Understanding, together with any other Letter Agreements made pursuant to the Memorandum of Agreement from time to time, together embody and constitute the sole and entire agreement between the parties, with respect to the subject matter dealt with herein and supersedes all prior agreements, understandings, and arrangements, negotiations, representations and proposals, written and oral, relating to matters dealt with herein, excepting any and all prior agreements between the parties for the provision of certain Programs and Services to the extent that such agreements do not conflict with the terms or scope of this Memorandum of Understanding

9.0 This Letter Agreement shall enure to the benefit and be binding upon the parties hereto and their successors and assigns permitted hereunder.

10.0 This Letter Agreement may be executed in counterparts in writing or by electronic signature and delivered by mail, facsimile or other electronic means, including in Portable Document Format (PDF), no one copy of which need be executed by all of the parties, and all such counterparts together shall constitute one agreement and shall be a valid and binding agreement among the parties hereto as of the date first above written.

GRAND RIVER CONSERVATION AUTHORITY

Per: _____
Samantha Lawson
Chief Administrative Officer

I have authority to bind the corporation.

IN WITNESS WHEREOF the Municipality consents and agrees to the foregoing.

AGREED AND ACKNOWLEDGED THIS _____ DAY OF _____, 20____.

[NAME AND ADDRESS OF MUNICIPALITY]

Per: _____
Name:
Position:

Per: _____
Name:
Position:

I/We have authority to bind the corporation.

APPENDIX 1 – Category 2 Programs and Services Deliverables and Metrics

Programs and Services Description	Deliverables	Metrics
<p>Sub-watershed Services – Deliver a subwatershed planning program and provide technical support for municipal stream monitoring and (sub)watershed planning*</p>	Identify and recommend (sub)watershed or other regional-scale technical study priorities	Provide a table of recommendations annually
	Upon request and in watershed priority sequences, provide technical advice on terms of reference, scoping, methods for (sub)watershed studies.	Identify studies where support has been provided within the watershed annually
	Seek additional partner funding to undertake subwatershed/regional studies	Identify the number of applications, specifics, success and financial information annually.
	Review and provide input to watershed, regional and local scale subwatershed studies. <ul style="list-style-type: none"> • Participate on steering committees, working groups • Scope of technical review in compliance with O.Reg 596/22 - Prescribed Acts 	Number of requests and reviews undertaken
	Provide technical support and advice on municipal stream monitoring.	Number of plans reviewed and location within watershed.
	Serve as digital custodian for previously completed subwatershed studies (listed on GRCA website) Respond to requests for digital copies of previously completed subwatershed studies from consultants and the public.	Upon request
<p>* Undertake subwatershed monitoring for watershed and regional scale subwatershed studies where services are cost-shared between the municipalities and the GRCA under separate agreements. May undertake monitoring for local scale subwatershed studies where 100% funding provided by municipality under separate agreement.</p>		
<p>Conservation Services - Deliver municipal and partnership cost-share programs to support private land stewardship action to improve and protect water quality and watershed health</p>	Provide information and resources to landowners related to stewardship action including agricultural best practices, private water well maintenance, tree planting and naturalization projects.	Number of program participants, number of landowner inquiries
	Engage watershed residents in stewardship action through promotion of cost-share opportunities	Number of residents engaged through program promotion
	Conduct site visits to assist landowners with planning stewardship projects and submitting applications to GRCA delivered cost-share programs	Number of site visits

Programs and Services Description	Deliverables	Metrics
	Administer and deliver municipally funded rural water quality programs (RWQP) as requested by watershed municipalities	Projects completed (number, type) Project investment by funding source Total grant, kg Phosphorus retained - reported by program and by municipality
	<p>Seek additional partner funding to enhance cost share programs GRCA offers to watershed landowners (ie. offering funds in municipalities without a RWQP or enhancing cost-share funding opportunities in areas where municipal RWQPs exist).</p> <p>Examples of non-municipal grant funds delivered in 2023 to support private land stewardship in all watershed municipalities:</p> <ul style="list-style-type: none"> • Habitat Stewardship Program for Aquatic SAR • ECCC Nature Smart Climate Solutions • OMAFRA profit mapping • Forests Ontario 50 Million Tree Program 	Projects completed (number, type) project investment by funding source, total grant, kg Phosphorus retained.
Conservation Services – Facilitate private land, municipal and community partner tree planting	Conduct field surveys and site assessments to develop tree planting plans for rural landowners and community groups (for projects that meet minimum property and project size requirements)	Number of landowners engaged, number of planting plans developed, number of projects completed, number of trees planted, planting area, km of windbreak, km of riparian buffer
	Provide technical assistance to tree planting clients to ensure successful completion of projects.	Number of landowners, projects and trees planted by landowners (plant your own projects) with Forestry Specialist support
	Support rural landowners to develop suitable applications to cost share programs	Summary of project investment by funding source
	Secure tree stock and manage contracted planting services for landowners	Number of trees, projects, grant and investment in projects planted through GRCA planting program
	Serve as technical resource to landowners and community tree planting organizations	Number of community partner organizations supported; hours contributed

Programs and Services Description	Deliverables	Metrics
	Support community partner and municipality hosted outreach events as capacity permits	Number of community partners, number of residents engaged/event participants, number of events, number of trees planted, total area planted, volunteer hours contributed
Conservation Services – Coordinate education and outreach activities to promote actions to improve water quality and watershed health	Engage watershed residents through development and delivery of outreach events (tours, workshops, webinars) and participation in partner, community, and municipal events and meetings; as capacity and opportunities exist	Number of partners, events, event participants.
	Develop promotional materials (print, website, social media) to promote stewardship action and recruit participants to GRCA Conservation Services Programs.	
Water Quality – Deliver the Watershed-wide Wastewater Optimization Program (WWOP) to support municipal wastewater management and improve and protect water quality and watershed health <ul style="list-style-type: none"> • Support optimization of wastewater treatment plant (WWTP) operations through: knowledge sharing workshops, hands-on training, technical advice, and a recognition program • Provide technical support for municipal assimilative capacity studies and master plans for water and wastewater services • Engage the provincial and federal governments to develop programs to reduce nutrient loads in rivers and streams, and ultimately Lake Erie 	Collect data from municipalities, analyze, and produce an annual report on WWTP performance across the watershed.	# of municipalities participating in annual reporting Annual report posted online
	Host annual workshop for information sharing and networking among municipal wastewater practitioners	# of participants Workshop summary
	Provide technical support and training workshops for operators, supervisors, and managers to implement optimization techniques at individual WWTPs	# of training, technical support events # of participants
	Deliver annual recognition program to acknowledge WWTPs that participate in WWOP activities and produce a very high-quality effluent	Awards presented
	Support municipal assimilative capacity studies and master plans for water and wastewater <ul style="list-style-type: none"> • Upon request, facilitate initial scoping, act as liaison with MECP, provide technical/methodological advice, provide stream data, provide watershed context, participation in steering committees (but not provide comments on EAs) 	Studies are carried out by each municipality, as needed and GRCA staff participate at the request of the municipality
Water Quality –	Operate and maintain 9 continuous water quality monitoring stations	Continued operation of 9 stations

Programs and Services Description	Deliverables	Metrics
<p>Surface water quality monitoring, modelling, analysis, and reporting</p> <ul style="list-style-type: none"> • Operate and maintain continuous water quality stations • Maintain a water quality database • Develop and maintain a water quality model • Report on water quality and river health 	<p>Maintain a water quality database for continuous water quality data and grab sample data from GRCA, municipal and provincial water quality sampling programs within the watershed</p>	<p>Continued maintenance of the database</p>
	<p>Develop and maintain the Grand River Simulation Model (GRSM) for use in municipal assimilative capacity studies or for broader watershed planning purposes</p>	<p>GRSM is available for any municipal studies, upon request and GRCA staff will provide support for model application in assimilative capacity studies</p>
	<p>Analyze and report on surface water quality</p>	<p>Reports on water quality are produced cyclically or as needed (e.g., reports to Board, watershed report cards, technical updates to Water Management Plan)</p>
<p>Water Quality – Groundwater analysis and reporting</p>	<p>Analyze and report on groundwater quality</p>	<p>Reports on water quality are produced cyclically or as needed (e.g., reports to Board, watershed report cards, technical updates to Water Management Plan)</p>
<p>Watershed Sciences and Collaborative Planning - Undertake watershed, regional, and landscape scale science and reporting:</p> <ul style="list-style-type: none"> • Inter-disciplinary analysis and reporting on watershed health (surface water, groundwater, forests, wetlands) • Collaborative work on the hydrologic functions of natural features • Other watershed-scale science (e.g., fisheries) 	<p>Analysis and reporting on watershed conditions</p>	<p>Periodic reporting via Watershed Report Cards (e.g., 2023), Water Management Plan (e.g., State of Water Resources, 2020), technical reports, and reports to Authority board</p>
	<p>Engagement of municipal, provincial, federal, non-governmental, academic and other stakeholders</p>	<p>As below for Water Managers Working Group and via other committees and meetings</p>
<p>Watershed Sciences and Collaborative Planning - Facilitating cross-municipal and inter-agency water resource management:</p> <ul style="list-style-type: none"> • Support cross-disciplinary integration and inform municipal watershed planning and water, wastewater, and 	<p>Advance implementation of the collaborative, voluntary Grand River Watershed Water Management Plan. The Plan's objectives are to:</p> <ul style="list-style-type: none"> • Ensure sustainable water supplies for communities, economies and ecosystems • Improve water quality to improve river health and reduce the river's impact on Lake Erie • Reduce flood damage potential 	<p>Implementation tracking/reporting (scope TBD)</p>

Programs and Services Description	Deliverables	Metrics
stormwater master planning • Liaise with First Nations, municipal, and provincial and federal agencies	<ul style="list-style-type: none"> Build resilience to deal with climate change 	
	Update the Water Management Plan and Integrated Action Plan as needed	Scope/timing TBD
	Chair the Water Managers Working Group with representation from watershed municipalities, First Nations, and provincial and federal agencies	Terms of Reference 2-4 meetings/workshops per year
	Provide input to municipal watershed planning – local, regional, and watershed conditions and issues identification	Upon request