

City of Guelph

Water and Wastewater Servicing Master Plan

Appendix A – Public Consultation

March 2023



Table 1. Agency Comments

Comment Summary	Consideration in the EA
<p>Transport Canada</p> <p>Please note Transport Canada does not require receipt of all individual or Class EA related notifications. We are requesting project proponents to self-assess if their project:</p> <p>1. Will interact with a federal property and/or waterway by reviewing the Directory of Federal Real Property, available at at www.tbs-sct.gc.ca/dfrp-rbif/; and</p> <p>2. Will require approval and/or authorization under any Acts administered by Transport Canada* available at http://www.tc.gc.ca/eng/acts-regulations/menu.htm.</p> <p>Projects that will occur on federal property prior to exercising a power, performing a function or duty in relation to that project, will be subject to a determination of the likelihood of significant adverse environmental effects, per Section 82 of the <i>Impact Assessment Act, 2019</i>.</p>	<ul style="list-style-type: none"> • Noted by the project team. No further correspondence with Transport Canada is required.

Comment Summary	Consideration in the EA
<p>If the aforementioned does not apply, the Environmental Assessment program should not be included in any further correspondence and future notifications will not receive a response. If there is a role under the program, correspondence should be forwarded <i>electronically</i> to: EnviroOnt@tc.gc.ca with a brief description of Transport Canada's expected role.</p>	
<p>Infrastructure Ontario</p> <p>Our initial scan indicates that properties owned by the Minister of Government and Consumer Services identified by PINs 711990977, 712420036, 712360118, 712360104, 712360096, 712470481, 712850027, 712850025, 712860049, 712980084, 713180209, and multiple Hydro Corridor lands might be within your project's study area. However, it is the proponent's responsibility to verify if provincial government property is within the study area.</p>	<ul style="list-style-type: none"> • Noted by the project team. No further correspondence with Infrastructure Ontario is required at this time.

Comment Summary	Consideration in the EA
<p>Title documents may identify owners of provincial government property as any of the following:</p> <p>His Majesty the King Her Majesty the Queen Hydro One Hydro One Networks Inc. Management Board Secretariat (MBS) Minister of Economic Development, Employment and Infrastructure (MEDEI) Minister of Energy and Infrastructure (MEI) Minister of Government and Consumer Services (MGCS) Minister of Infrastructure (MOI) Minister of Natural Resources and Forestry (MNRF) Minister of Public Infrastructure Renewal (PIR) Minister of Public Works Minister of Transportation (MTO) Ontario Lands Corporation (OLC) Ontario Realty Corporation (ORC)</p> <p>If provincial government property in the study area is not required for the project, please continue to consult us as a directly affected stakeholder. However, if government property is</p>	

Comment Summary	Consideration in the EA
<p>required for the project, the proponent should contact us so that we can advise about requirements for obtaining government property.</p>	
<p>Ministry of Heritage, Sport, Tourism and Culture Industries</p> <p>Your Master Plan project may impact archaeological resources and you should screen the project with the screening checklists developed by MHSTCI: <i>Criteria for Evaluating Archaeological Potential</i> and <i>Criteria for Evaluating Marine Archaeological Potential</i>. At a minimum, a Stage 1 archaeological assessment will be undertaken for the entire study area during the master plan phase to determine if archaeological assessments will be needed for subsequent project-driven Municipal Class EAs. A Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment will be undertaken for the entire study area during the master plan to inform if resources can be avoided and if technical cultural heritage studies will be needed for subsequent project-driven Municipal Class EAs.</p>	<ul style="list-style-type: none"> • This study is being undertaken in accordance with Approach #1 of the Master Planning Process, as outlined in Appendix 4 of the Municipal Class Environmental Assessment (MCEA) document (October 2000, as amended in 2007, 2011 and 2015). As such, the WWSMP will generally address Phases 1 and 2 of the MCEA process and will form the basis for the recommended Schedule B and C infrastructure projects identified within the WWSMP report. As such, the WWSMP is being completed at a broad level of assessment and will form the basis for future investigations for the specific Schedule B and C projects identified within it. A cultural and built heritage and archaeology review will be completed as part of the WWSMP study and in accordance with the MCEA process. This review will include screening the study with the MHSTCI checklists for both archaeological resources and built heritage resources and cultural heritage landscapes. • Detailed investigations that address archaeological and built heritage resources and cultural heritage landscapes and technical heritage reports will be carried out as part of subsequent studies, as needed. The evaluation of water and wastewater servicing solutions being carried out as part of this WWSMP study will consider technical and environmental constraints at a high level, and will be based on a desktop review of readily available information.

Comment Summary	Consideration in the EA
<p>1. Identify existing baseline cultural heritage conditions within the study area. The report will include a historical summary of the development of the study area and will identify all known or potential built heritage resources and cultural heritage landscapes in the study area. MHSTCI has developed screening criteria that may assist with this exercise: <i>Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes</i>.</p> <p>2. Identify preliminary project-specific impacts on the known and potential built heritage resources and cultural heritage landscapes that have been identified. The report should include a description of anticipated impact to each known or potential built heritage resources or cultural heritage landscape that has been identified.</p> <p>3. Propose and recommend measures to avoid or mitigate potential negative impacts to known or potential cultural heritage resources. The proposed mitigation measures are to inform the next steps of project planning and design.</p>	

Comment Summary	Consideration in the EA
<p>Technical cultural heritage studies will be undertaken by a qualified person who has expertise, recent experience, and knowledge relevant to the type of cultural heritage resources being considered and the nature of the activity being proposed.</p> <p>The findings of the above-mentioned studies should be summarized as part of the master plan discussion of existing conditions, preliminary impact assessment and future commitments.</p> <p>All technical cultural heritage studies and their recommendations are to be addressed and incorporated into Master Plan projects. Please advise MHSTCI whether any technical heritage studies will be completed for your Master Plan project and provide them to MHSTCI before issuing a Notice of Completion.</p>	
<p>Hydro One</p> <p>In our preliminary assessment, we have confirmed that Hydro One has existing high voltage transmission facilities and corridors reserved for future use within your study area (see map attached).</p>	<ul style="list-style-type: none"> • Noted by the project team.

Comment Summary	Consideration in the EA
<p>At this point in time we do not have enough information about your project to provide you with meaningful input with respect to the impacts that your project may have on our infrastructure. As such, this response does not constitute any sort of approval for your plans and is being sent to you as a courtesy to inform you that we must be consulted on your project.</p> <p>In addition to the existing infrastructure mentioned above, the affected transmission corridor may have provisions for future lines or already contain secondary land uses (i.e. pipelines, watermains, parking, etc). Please take this into consideration in your planning.</p> <p>Also, we would like to bring to your attention that should (Guelph Water and Wastewater Servicing Master Plan) result in a Hydro One station expansion or transmission line replacement and/or relocation, an environmental assessment (EA) will be required as described under the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016). This EA process would</p>	

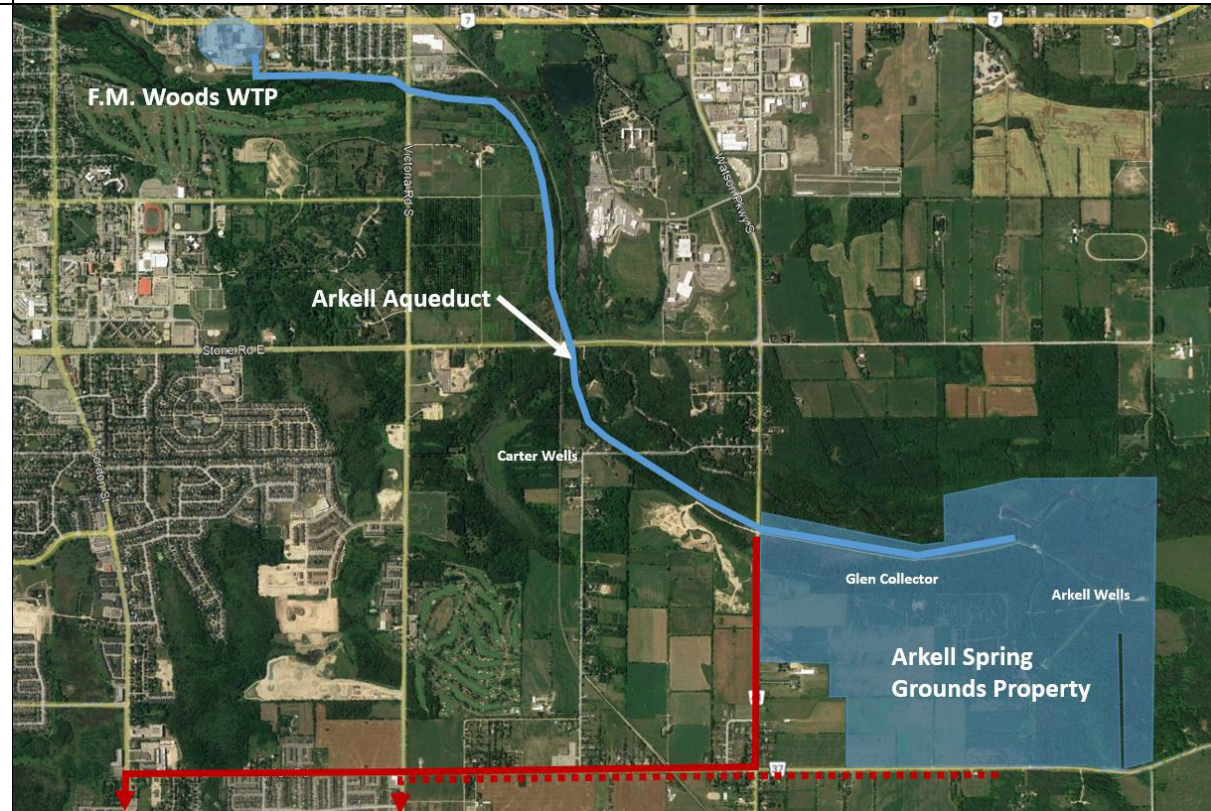
Comment Summary	Consideration in the EA
<p>require a minimum of 6 months to be completed and associated costs will be allocated and recovered in accordance with the Transmission System Code. Furthermore, to complete an EA it can take from 6 months (to complete a Class EA Screening Process) to 18 months (to complete a Full Class EA Process)</p> <p>based on the level of assessment required for the EA. In order to achieve speedy completion of the EA,</p> <p>Hydro One will need to rely on studies and/or reports completed as part of the EA for your project. Please allow the appropriate lead-time in your project schedule in the event that your proposed development impacts Hydro One infrastructure to the extent that it would require modifications to our infrastructure.</p> <p>In planning, please note that developments should not reduce line clearances or limit access to our facilities at any time in the study area of your Proposal. Any construction activities must maintain the</p>	

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<p>electrical clearance from the transmission line conductors as specified in the Ontario Health and Safety Act for the respective line voltage. Be advised that any changes to lot grading and/or drainage within or in proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor. Please note that the proponent will be held responsible for all costs associated with modification or relocation of Hydro One facilities, as well as any added costs that may be incurred due to increase efforts to maintain our facilities.</p>	
<p>Grand River Conservation Authority</p> <p>Thank-you for circulating our office the Notice of Commencement for the City of Guelph Water and Wastewater Servicing Master Plan. There are multiple areas of interest in the City of Guelph for Grand River Conservation Authority (GRCA) as such we request to maintain involvement in this study. Please add our office to the notification and</p>	<ul style="list-style-type: none"> • Noted by the project team.

Comment Summary	Consideration in the EA
circulation information as it becomes available.	
<p>Wellington County</p> <p>No concerns from the County perspective at this time with respect to the proposed route and would welcome further engagement as the study progresses.</p>	<p>As part of Guelph’s ongoing Water and Wastewater Servicing Master Plan (W/WW MP), the team is looking at bringing water from the Arkell Spring Grounds to the south end of Zone 1 (~ Arkell Road and Clair Road). Currently, the Arkell Aqueduct provides 60-80% of the City’s water demand. The single-feed nature of the current aqueduct leaves the City vulnerable and in the event of a failure, we would not be able to meet water demands. In past studies, twinning of the aqueduct has been recommended. The team carried twinning as an alternative in the current study, however the cost and constructability and environmental concerns made a new point of entry into the City the preferred alternative. This approach also removes the need for an additional north-south transmission main from the plant to the south end of Zone 1 to alleviate pressure issues. The route of the new transmission main would run along Wellington County Roads 37 and potentially 41, depending on the configuration of the works on site (see red alignments below).</p>

Comment Summary

Consideration in the EA



The W/WW MP is being undertaken as a Schedule B EA, but the additional works on the Spring Grounds will require further study outside of the scope of the current W/WW MP. During that study, the exact route leaving the site would be determined. We have met with the Townships (Puslinch, Guelph Eramosa) on this item through a regular check-point with our water services team, however Steve flagged that these are County Roads and therefore we owe you an opportunity to comment as well. At this point, and for the W/WW MP, we won't know the exact route, but will be able to provide opportunity for future engagement through the more detailed study work for this project. It is currently

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	<p>anticipated that further study will occur over 2024-2025, with detailed design phased construction commencing afterwards.</p> <p>The City would appreciate any initial feedback that the County has on this, and any future requirements for the study as it relates to doing road works on County Roads.</p> <p>Thank you,</p> <ul style="list-style-type: none"><li data-bbox="804 586 1272 617">• Noted by the project team.

Contact List

**Guelph Water and Wastewater Master Plan
External Agencies Contact List**

Organization	FirstName	LastName	Title	Phone	Fax	Email	Address	City	Prov	Postal Code
Federal and Provincial Representatives										
Fisheries and Oceans Canada			FPP Triage and Planning Office			MEANoticesEAAB@ontario.ca				
Environment Canada	Rob	Dobos	Manager			info@dfo-mpo-gc.ca	3027 Harvester Road Suite 304 P.O. Box 85060	Burlington	ON	L7R 4K3
Infrastructure Ontario	Lisa	Myslicki	Environmental Specialist, Realty Portfolio Planning, Environmental Services			rob.dobos@ec.gc.ca	867 Lakeshore Rd., P.O. Box 5050	Burlington	ON	L7R 4A6
Infrastructure Ontario	William	Plexman	Real Estate Transaction Manager, Sales, Easements and Acquisitions			lisa.myslicki@infrastructureontario.ca	1 Dundas Street West, Suite 2000	Toronto	Ontario	M5G 1Z3
Infrastructure Ontario	William	Plexman	Real Estate Transaction Manager, Sales, Easements and Acquisitions			william.plexman@infrastructureontario.ca				
Ministry of Agriculture, Food, and Rural Affairs	David	Marriott	Rural Planner, Western Ontario	519-766-8811		david.marriott@ontario.ca	1 Stone Road West	Guelph	Ontario	N1G 4Y2
Ministry of Community Safety and Correctional Services	Adriana	Ibarguchi	Director	647-921-1732		adriana.ibarguchi@ontario.ca	25 Grosvenor Street, 13th Fl., George Drew Building	Toronto	Ontario	M7A 1Y6
Ministry of Municipal Affairs and Housing - Western Municipal Services Office	Erick	Boyd	Manager (Acting), Community Planning and Development	519-873-4025		erick.boyd@ontario.ca	659 Exeter Road, 2nd Floor	London	Ontario	N6E 1L3
Ministry of Natural Resources and Forestry	Tammy	Verhaeghe	Guelph District Manager	(519) 826-4931	(519) 826-4929	tammy.verhaeghe@ontario.ca	1 Stone Road West	Guelph	Ontario	N1G 4Y2
Ministry of Natural Resources and Forestry	Jennifer	McKay	Coordinator, Water Resources (Acting)	705-875-3024		jennifer.mckay@ontario.ca	300 Water Street	Peterborough	Ontario	K9J 3C7
Ministry of the Environment, Conservation and Parks						eanotification.wcregion@ontario.ca			Ontario	
Ministry of the Environment, Conservation and Parks	Corrine	Taylor				Corinne.Taylor@ontario.ca				
Ministry of the Environment, Conservation and Parks	Cynthia	Doughty				Cynthia.Doughty@ontario.ca				
Ministry of the Environment, Conservation and Parks	Barbara	Slattery				barbara.slattery@ontario.ca				
Ministry of the Environment, Conservation and Parks	Heather	Malcolmson	Director, Environmental Assessment and Permissions Branch	416-314-0934		heather.malcolmson@ontario.ca	135 St Clair Ave W, 1st floor	Toronto	Ontario	M4V 1P5
Ministry of the Environment, Conservation and Parks	Natalie	Stacey	Supervisor (Acting) Air, Pesticides and Environmental Planning	905-521-7706		natalie.stacey@ontario.ca	119 King St. West	Hamilton	Ontario	L8P 4Y7
Ministry of the Environment, Conservation and Parks	Annamaria	Cross	Manager, Environmental Assessment Services	(416) 314-7967	(416) 314-8452	annamaria.cross@ontario.ca	135 St Clair Ave W	Toronto	Ontario	M4V 1P5
Ministry of the Environment, Conservation and Parks	Amy	Shaw	Manager, Guelph District Office	(519) 826-4258	(519) 826-4286	amy.shaw@ontario.ca	1 Stone Road W, 4th Floor	Guelph	Ontario	N1G 4Y2
Ministry of the Environment, Conservation and Parks	Ling	Mark	Director, Great Lakes and Inland Water Branch	416-314-7020		ling.mark@ontario.ca	40 St Clair Ave W	Toronto	Ontario	M4V 1M2
Ministry of Heritage, Sport, Tourism and Culture Industries	Karla	Barboza	Heritage Planning Unit	416-314 7120		karla.barboza@ontario.ca	401 Bay Street, Suite 1700	Toronto	Ontario	M7A 0A7
Ministry of Transportation	Neil	Zohorsky	Regional Director (Acting)	519-873-4333		neil.zohorsky@ontario.ca	659 Exeter Rd	London	Ontario	N6E 1L3
Transport Canada						EnviroOnt@tc.gc.ca				
Local Municipal										
Grand River Conservation Authority	Fred	Natolochny				fnatolochny@grandriver.ca	400 Clyde Road, P.O Box 729	Cambridge	Ontario	N1R 5W6
Grand River Conservation Authority	Janet	Ivey				jivey@grandriver.ca	400 Clyde Road, P.O Box 729	Cambridge	Ontario	N1R 5W6
Grand River Conservation Authority						grca@grandriver.ca	400 Clyde Road, P.O Box 729	Cambridge	Ontario	N1R 5W6
Guelph Eramosa Township	Kimberly	Wingrove	CAO	(519)856-9596 ext 105		kwingrove@get.on.ca	8348 Wellington Road 124, P.O. Box 700	Rockwood	Ontario	N0B 2K0
Guelph Eramosa Township	Saidur	Rahman	Director of Public Works			srahman@get.on.ca	8348 Wellington Road 124, P.O. Box 700	Rockwood	Ontario	N0B 2K0
Puslinch Township	Karen	Landry	CAO/Clerk-Treasurer	519-763-1226 ext 214		klandry@puslinch.ca	7404 Wellington Road 34	Guelph	Ontario	N1H 6H9
Puslinch Township	Wayne	Stokley	Councillor	519-621-9346		wstokley@puslinch.ca	7404 Wellington Road 34	Guelph	Ontario	N1H 6H9
Region of Waterloo	Eric	Hodgins								
Town of Milton	Stephanie	Jarvis		Town of Milton	(905) 878-7252 x.2567	stephanie.jarvis@milton.ca	150 Mary Street	Milton	Ontario	L9T 6Z5
Township of Centre Wellington	Collin	Baker				CBaker@centrewellington.ca	1 Macdonald Square	Elora	Ontario	N0B 1S0
Township of Centre Wellington	Kyle	Davis	Drinking Water Source Protection	519-846-9801 ext. 30		kdavis@centrewellington.ca	1 Macdonald Square	Elora	Ontario	N0B 1S0
Wellington-Dufferin-Guelph Health Unit						info@wdgpublichealth.ca	474 Wellington Road #18, Suite 100, RR#1	Fergus	Ontario	N1M 2W3
Wellington County	Don	Kudo	County Engineer			donk@wellington.ca	74 Woolwich Street	Guelph	Ontario	N1H 3T9
Wellington County	Joe	de Koning				joedk@wellington.ca	74 Woolwich Street	Guelph	Ontario	N1H 3T9
Utilities and Emergency Services										
Bell Canada - Access Network Department							575 Riverbend Drive, Floor 2	Kitchener	Ontario	N2K 3S3
Chief of Police	Bryan	Larkin	Chief	(519) 824-1212 x220		bryan.larkin@police.guelph.on.ca	15 Wyndham Street S	Guelph	Ontario	N1H 4C6
Fire Chief	Dave	Elloway		(519) 822-1260 x 2125		Dave.Elloway@guelph.ca	50 Wyndham Street South	Guelph	Ontario	N1H 4E1
Deputy Fire Chief	Steve	Goode				Steven.Goode@guelph.ca				
Guelph Hydro	Ian	Bolton		519-822-3010		ibolton@guelphhydro.com	395 Southgate Drive	Guelph	Ontario	N1G 4Y1
Guelph Hydro	Barry	Chuddy	Chief Executive Officer	(519) 822-3010	(519) 822-0960	cservice@guelphhydro.com	395 Southgate Drive	Guelph	Ontario	N1G 4Y1
Guelph Police Service	Scott	Green		519-824-1212		SGreen@guelphpolice.ca		Guelph	Ontario	
Guelph-Wellington EMS	Stephen	Dewar	Chief	(519) 822-1260 x2805		stephen.dewar@guelph.ca	160 Clair Road West	Guelph	Ontario	
Hydro One						secondarylanduse@hydroone.com			Ontario	
Hydro One	Rossella	Fazio				rossella.fazio@hydroone.com			Ontario	
Hydro One	Leslie	Koch	Sustainment Manager, Lines Information Systems and Programs	(416) 345-6275	(416) 345-5443	Leslie.koch@HydroOne.com	483 Bay Street (location TCT15)	Toronto	Ontario	M5G 2P5
Ontario Power Generation	Tammy	Wong				tammy.wong@opg.com	700 University Ave.	Toronto	Ontario	M5G 1X6
Rogers Cable				(519) 758-0833 or 1 888 ROGERS1			P.O. Box 488	Kitchener	Ontario	N2G 4A8
University of Guelph	Steve	Nyman				snymn@pr.uoguelph.ca	50 Stone Road East	Guelph	ON	N1G 2W1
University of Guelph	John	Vanos				jvanos@pr.uoguelph.ca				

**City of Guelph Water and Wastewater Servicing Masterplan
Master Stakeholder List**

Organization	First Name	Last Name	Title	Phone	Fax	Email	Address	City	Prov	Postal Code
Local Indigenous Groups										
Indigenous Healing & Wellness Program Wellington-				519-821-6638 ext. 301		ihwppw@guelphchc.ca	176 Whyndham Street North	Guelph	ON	N1H 8N9
Agricultural Groups										
Christian Farmers Federation of Ontario				519-837-1620		cffmail@christianfarmers.org	642 Woolwich Street	Guelph	ON	N1H 3Y2
Wellington Federation of Agriculture	Janet	Harrop	President	519-820-9293			RR#1 7764 Nichol Sideroad 5	Fergus	ON	N1M 2W3
Community/ Interest Groups/ Businesses										
Brant Avenue Neighbourhood Group	Lynne	Kloostra	Neighbourhood	519-821-9243	519-821-7519	brant.ave.ng@gmail.com	The Friendship Lane	Guelph	ON	N1E 3P2
Brothers Brewing Company	Asa and	Proveau	Owners/ Founders			brothersbrewingcompany@gmail.com	15 Wyndham Street North,	Guelph	ON	N1H 4E5
Chamber of Commerce	Shakiba	Shayani	President & CEO	519-822-8081 ext. 224		shakiba@guelphchamber.com	201-111 Farquhar Street	Guelph	ON	N1H 3N4
Clean Water Coalition	Mike	Pearson		519-824-2091				Guelph	ON	
Cutten Fields	Brenda	Wanzel	Administrative	519-824-2650 ext. 232	519-824-9699	info@cuttenfields.com	P.O. Box 666	Guelph	ON	N1H 6L3
Dolime Quarry									ON	
Exhibition Park Neighbourhood Group				519-767-5750		info@epng.ca	70 Division Street	Guelph	ON	N1H 4R5
Fixed Gear Brewing Co.				519-265-7025		info@fixedgearbrewing.com	20 Alma Street South	Guelph	ON	N1H 5W5
GAY LEA FOODS	Michelle	Watson		519-822-5530 ext. 6250		mwatson@gaylefoods.com	21 Speedvale Ave W	Guelph	ON	N1H 1J5
GAY LEA FOODS	Brad	Cuylar		519-822-5530		bcuylar@gaylefoods.com	21 Speedvale Ave W	Guelph	ON	N1H 1J5
GET Concerned	Susan	McSherry	Media Relations			info@getconcerned.com	8348 Wellington Road 124	Rockwood	ON	N0B 2K0
Grange Hill East Neighbourhood Group				519-836-9427		info@gheng.ca	Ken Danby Community Room	Guelph	ON	N1E 7C4
Guelph & Guelph Eramosa Township Community	Martin	Keller	Source Protection	519-620-7595		mkeller@grandriver.ca	Grand River Conservation	Cambridge	ON	N1R 5W6
Guelph & Guelph Eramosa Township Community	Illona	Feldmann	CLG Contact			ifeldmann@grandriver.ca	Grand River Conservation	Cambridge	ON	N1R 5W6
Guelph Community Foundation	Chris	Willard	Executive Director	519-821-9216		cwillard@guelphcf.ca	55 Wyndham Street North	Guelph	ON	N1H 7T8
Guelph and District Homebuilders' Association	Tom	McLaughlin	President	519-836-4332		tomm@thomasfield.com	295 Southgate Drive	Guelph	ON	N1H 6N3
Guelph Wellington Developers' Association	Melissa	Jonker					330 Trillium Drive, Unit D	Kitchener	ON	N2E 3J2
Guelph Youth Council	Adam	Rutherford	Youth Services	519-822-1260 ext. 2703	519-763-9240	adam.rutherford@guelph.ca	1 Carden Street	Guelph	ON	N1H 3A1
Hanlon Creek Neighbourhood Group						hanloncreekng@gmail.com	160 Ironwood Road	Guelph	ON	N1G 3RA
Linmar Corporation	Connor	Clements		519-837-2056		connor.clements@linamar.com	201 Woodlawn Rd W	Guelph	ON	N1H 1B8
MANDARIN RESTAURANT GUELPH	Mike	Li		519-837-9000		mikeli1147@gmail.com	565 Woodlawn Rd W	Guelph	ON	N1K 1E9
MAPLE LEAF FOODS INC				519-827-0719 (location); 905-285-5000			643 Speedvale Ave W	Guelph	ON	N1K 1E6
MCNEIL CONSUMER HEALTHCARE				519-836-2722 (location); 519-826-6230			890 Woodlawn Rd W	Guelph	ON	N1K 1A5
Nature Guelph	Brett	Forsyth	President			president@natureguelph.ca	P.O. Box 1401	Guelph	ON	N1H 6N8
Nestle Waters Canada	Andreanne	Simard	Natural Resources	(519) 767-6422		Andreanne.Simard@waters.nestle.com	101 Brock Road South	Puslinch	ON	N0B 2J0
North Riverside Neighbourhood Group	Caroline	McCullough	Neighbourhood	519-821-9677		northriversidegroup@hotmail.com	140 Waverly Drive	Guelph	ON	N1E 1H2
North Riverside Neighbourhood Group	Kennedy	Dolby	Program	519-821-9677		nrngprogrammer@outlook.com	140 Waverly Drive	Guelph	ON	N1E 1H2
Ontario Public Interest Research Group (OPIRG)				416-978-7770		opirg.toronto@gmail.com	563 Spadina Crescent	Toronto	ON	M5S 2J7
Onward Willow Neighbourhood Group	Susie	Stauffer	Neighbourhood	519-824-6892		onwardwillowsw@gmail.com	Onward Willow Centre	Guelph	ON	N1H 1V7
OUR LADY OF LOURDES SCHOOL	Betty	Farrell		519-836-2170 (location); 519-821-4600		betty.farrell@wellingtoncdsb.ca	54 Westmount Rd	Guelph	ON	N1H 5H7
Parkwood Gardens Neighbourhood Group	Sally	Belogus	Neighbourhood	519-824-6340	519-824-0456	pgng96@gmail.com	West End Community Centre	Guelph	ON	N1K 1X3
Polycon Industries				519-763-6042			65 Independence Place	Guelph	ON	N1K 1H8
Protect Our Moraine						https://www.protectourmoraine.ca/get-rrngcamps@gmail.com		Guelph	ON	
Rickson Ridge Neighbourhood Group								Guelph	ON	
Royal City Brewing Company	Russ	Bateman	Owner, Sales and	1-888-485-2739		info@royalcitybrew.ca	199 Victoria Road South	Guelph	ON	N1E 3J3
Saint George's Park Neighbourhood Group						stgpkng@mail.com		Guelph	ON	
Save our Water	Sophie	Hogan	Photographer			info@saveourwater.ca	97 Chalmers Street	Elora	ON	N0B 1S0
Sleeman Breweries Ltd.	Dave	Klassen	National Director of	519-829-4617	519-830-0383	https://sleeman.ca/en/contact-us	505 Southgate Drive	Guelph	ON	N1G 3W6
Springfield Golf & Country Club				519-821-4655		https://www.springfieldgolf.ca/contact-annemarie.mackinnon@sjhcg.ca	2054 Gordon Street	Guelph	ON	N1L 1G6
ST JOSEPH'S HEALTH CENTRE	Anne Marie	MacKinnon		519-824-6000 ext. 4254			100 Westmount Rd	Guelph	ON	N1H 5H8
The Council of Canadians	Ron	East					200-240 Bank Street	Ottawa	ON	K2P 1X4
The Guelph Country Club	Rod	Pollock	Director of	519-824-2741 Ext. 1		rod@tgcc.ca	133 Woodlawn Road East	Guelph	ON	N1E 7H9
The Junction Neighbourhood Group	Jordan	Delfs	Neighbourhood			thejunctionng@gmail.com		Guelph	ON	
Two Rivers Neighbourhood Group	Alisha	Arnold	Neighbourhood	519-837-4248		info@tworiversng.ca	Tytler Public School (Lower	Guelph	ON	N1E 3B3
Victoria Park East Golf Club	David	DeCorso	General Manager &	519-821-2211	519-821-3039	david@victoriaparkgolf.com	1096 Victoria Road South	Puslinch	ON	N0B 2J0
Wellington Brewery				519-837-2337		mail@wellingtonbrewery.ca	950 Woodlawn Road West	Guelph	ON	N1K 1G2
Wellington Water Watchers	Arlene	Slocombe	Executive Director	519-780-5030		arlene.slocombe@gmail.com	42 Carden Street	Guelph	ON	N1H 3A2

**Guelph Water and Waste Water Servicing Master Plan
Elected Officials Contact List**

Organization	First Name	Last Name	Stakeholder Title	Phone	Email	Address	City	Province	Postal Code
Elected Officials									
City of Guelph	Cam	Guthrie	Mayor	(519) 837-5643	mayor@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Dan	Gibson	Councillor- Ward 1	(519) 822-1260 x2502	dan.gibson@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Bob	Bell	Councillor -Ward 1	(519) 822-6152	bob.bell@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	James	Gordon	Councillor- Ward 2	(519) 822-1260 x2504	james.gordon@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Rodrigo	Goller	Councillor - Ward 2	(226) 821-1146	rodrigo.goller@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Phil	Allt	Councillor- Ward 3	(519) 822-1260 x2510	phil.allt@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	June	Hofland	Councillor- Ward 3	(519) 822-1260 x2505	June.hofland@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Mike	Salisbury	Councillor - Ward 4	(519) 822-1260 x2512	mike.salisbury@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Christine	Billings	Councillor - Ward 4	(519) 826-0567	christine.billings@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Cathy	Downer	Councillor - Ward 5	(519) 822-1260 x2294	cathy.downer@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Leanne	Piper	Councillor - Ward 5	(519) 822-1260 x2295	leanne.piper@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Mark	MacKinnon	Councillor - Ward 6	(519) 822-1260 x2296	mark.mackinnon@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Dominique	O'Rourke	Councillor - Ward 6	(519) 822-1260 x3577	dominique.orourke@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Township of Guelph/Eramosa	Chris	White	Mayor of G.E.T/Warden of Wellington County	(519) 856-0450	chrishwhite1@cocogco.ca	225 Mary Street, P.O. Box 656	Rockwood	Ontario	N0B 2K0
Town of Erin	Allan	Alls	Mayor	(519) 855-4407 x232	allan.alls@erin.ca	9560 Wellington Rd. 22	Erin	Ontario	N0B 1T0
Town of Minto	George	Bridge	Mayor	(519) 323-1642	gbridge@town.minto.on.ca	12 James Street. RR#4	Mount Forest	Ontario	N0G 1Z0
Township of Centre Wellington	Kelly	Linton	Mayor	(519) 846-9691 x294	mayor@centrewellington.ca	1 MacDonald Square	Elora	Ontario	N0B 1S0
Township of Mapleton	Gregg	Davidson	Mayor	(519) 638-3313 x060	gdauidson@mapleton.ca	7275 Sideroad 16, Box 160	Drayton	Ontario	N0G 1P0
Township of Puslinch	James	Seeley	Mayor	(519) 400-7984	jseeley@puslinch.ca	7404 Wellington Road 34	Guelph	Ontario	N1H 6H9
Township of Wellington North	Andy	Lennox	Mayor	(519) 831-9612	alennox@wellington-north.com	7490 Sideroad 7 West, PO Box 125	Kenilworth	Ontario	N0G 2E0
Municipal Staff - Guelph									
Building Services - Guelph				(519) 837-5615	building@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Chief Administrative Officer	Scott	Stewart	C.A.O.	(519) 822-1260 x 2221	cao@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Clerk's Office - Guelph				(519) 837-5603	clerks@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Corporate Communications - Guelph				(519) 822-1260	communications@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Culture, Tourism and Community Investment	Danna	Evans	General Manager	(519) 837-5662 x2621	danna.evans@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Economic Development				(519) 837-5600	bizinfo@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Emergency Services (Fire)				519-824-1212	fire@guelph.ca		Guelph	Ontario	
Engineering Services - Guelph				(519) 837-5604	engineering@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Environmental Services	Jennifer	Rose	General Manager	(519) 822-1260 x 3599	jennifer.rose@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Finance				(519) 837-5610	finance@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Operations (roadway, sidewalk and boulevard maintenance)				(519) 837-5628	operations@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Parks and Recreation	Heather	Flaherty	General Manager	(519) 822-1260 x2664	heather.flaherty@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Planning and Buidling Services	Todd	Salter	General Manager	(510) 822-1260 x2395	todd.salter@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Planning Services - Guelph				(519) 837-5616	planning@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Transit				(519) 822-1811	transit@guelph.ca	170 Watson Road	Guelph	Ontario	N1H 3A1
Wastewater Services - Guelph				(519) 837-5629	wastewater@guelph.ca	530 Wellington Street	Guelph	Ontario	N1H 6J4
Water Services - Guelph				(519) 837-5627	waterservices@guelph.ca	29 Waterworks Pl.	Guelph	Ontario	N1E 6P7
City of Guelph Committees									
Planning and Building, Engineering and Environment Committee	Melissa	Aldunate	Manager, Policy Planning and Urban Design	(519) 822-1260 x2361	melissa.aldunate@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Economic Development Advisory Committee				(519) 837-5603	clerks@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Water Conservation and Efficiency Public Advisory Committee				(519) 837-5627	waterservices@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
River Systems Advisory Committee				(519) 837-5616	planning@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Environmental Advisory Committee				(519) 837-5616	planning@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
Federal and Provincial Elected Officials									
Federal Elected Official	Lloyd	Longfield	Member of Parliament, Guelph	(519) 837-8276	lloyd.longfield@parl.gc.ca	111 Farquhar Street Suite 103	Guelph	Ontario	N1H 3N4
Provincial Elected Official	Mike	Schreiner	Member of Provincial Parliament, Guelph	(416) 977-7476	mschreiner-co@ola.org	173 Woolwich Street	Guelph	Ontario	N1H 3V4
Other Municipalities									
County of Wellington					Online form	74 Woolwich St	Guelph	Ontario	N1H 3T9
City of Guelph Staff (from 2014 list)									
City of Guelph	Greg	Clark	Senior Corporate Analyst Financial Planning		Ronald.Maeresera@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Jennifer	Rose	General Manager, Water Services		peter.busatto@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Brian	Pett	Guelph Water Services		brian.pett@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	John	Michalofsky			john.michalofsky@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Kiran	Suresh	General Manager, Wastewater Services		kiran.suresh@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Kier	Taylor	Compliance Co-ordinator		kier.taylor@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Andrew	Janes	Project Engineer Supervisor		Andrew.janes@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Vladislav	Frumkin	Manager, Projects and Asset Management		Vladislav.Frumkin@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Karl	Cober	Waterworks Project Manager		Karl.cober@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Vince	Suffoletta	Water Supply Supervisor		Vincent.suffoletta@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	John-Paul	Palmer	Water Services		John-Paul.Palmer@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph Staff (as suggested in Agency/ Municipality Workshop List)									
City of Guelph	Tim	Robertson	Divisional Manager, Wastewater Services	(519) 822-1260 x2964	tim.robertson@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Jennifer	Rose	General Manager, Environmental Services	(519) 822-1260 x3599	jennifer.rose@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Chris	Garcia	Manager, Water Operations	(519) 822-1260 x3394	chris.garcia@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Bryce	McDonald	Supervisor, Water Treatment & Maintenance	(519) 822-1260 x3307	bryce.mcdonald@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Mary	Angelo	Supervisor, Development Engineering	(519) 822-1260 x2287	mary.angelo@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Amanda	Pepping	Project Manager, Water Services	(519) 822-1260	amanda.pepping@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1
City of Guelph	Arun	Hindupur	Supervisor, Infrastructure Engineering	(519) 822-1260 x2282	arun.hindupur@guelph.ca	1 Carden Street	Guelph	Ontario	N1H 3A1

Study Commencement

Public Notice

Notice of study commencement

City of Guelph Water and Wastewater Servicing Master Plan Municipal Class Environmental Assessment update

We're updating our Water and Wastewater Servicing Master Plan

The City is updating its 2008 Water and Wastewater Servicing Master Plan (WWSMP) to ensure our water distribution and wastewater (sewer) collection infrastructure supports our growing community now and into the future.

The WWSMP is Guelph's plan to ensure the City continues to meet the needs of our growing community. The update will look at the City's current water and wastewater infrastructure and, taking Guelph's projected population growth into account, define needed increases to the system's capacity, identify technological advances and opportunities for improving efficiency and address changes in government legislation.

When complete—after the updated master plan is reviewed by the Guelph community and approved by Council—the plan will have identified constraints and opportunities related to Guelph's existing water and wastewater system. The plan will also have evaluated and prioritized individual projects to increase the capacity of our existing system.

We want to hear from you

Your feedback is an important part of the Water and Wastewater Servicing Master Plan update.

- **Attend our open houses and let us know what you think.** Our first open house will be scheduled early in 2020. Dates for this event will be posted at Guelph.ca/water
- **Read about our progress.** Project information will be posted on our project page found at Guelph.ca/water
- **Join our mailing list.** [Send us](#) your name and how you would like to be contacted (e.g., email or mail) and we will keep you informed.
- **Follow the conversation on [Twitter](#) and [Facebook](#).**

The Process

This study will be carried out according to the Municipal Engineers Association Municipal Class Environmental Assessment (2011, as amended), which is an approved Class of Environmental Assessment under the Environmental Assessment Act. Results from this study will be documented in an environmental assessment that will be made available for a public review period. At that time, residents, Indigenous communities and other interested persons or groups will be informed of when and where the environmental assessment can be reviewed.

Guelph's [master plans](#) assess the infrastructure we have to support today's services and decide what we'll need as our community grows. Master plans build on the goals and policies from the Official Plan to integrate existing and future land use plans, and define long-term objectives. Looking at the city as a

whole helps to evaluate options, consider a variety of perspectives, understand different outcomes, and make better decisions for Guelph's future.

For more information

Visit Guelph.ca/water for project information and updates.

To provide your comments, request more information, or if you require this notice to be provided in an alternative format as per the Accessibility for Ontarians with Disabilities Act (2005), please contact:

Arun Hindupur, M.Sc., P.Eng

Supervisor, Infrastructure Engineering
Engineering and Transportation Services
519-822-1260 extension 2282
Arun.hindupur@guelph.ca

Sam Ziemann, P.Eng.

Vice-President
C3 Water Inc.
519 772-9620 extension 295
Sam.ziemann@C3Water.ca

This notice was first issued on February 6, 2020.



Notice of study commencement

City of Guelph Water and Wastewater Servicing Master Plan Municipal Class Environmental Assessment update

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- **Join our mailing list.** Send us your name and how you would like to be contacted (e.g., email or mail) and we will keep you informed.
- **Follow the conversation** on Twitter and Facebook.

For more information

Visit guelph.ca/water for project information and updates.

To provide your comments, request more information, or if you require this notice to be provided in an alternative format as per the Accessibility for Ontarians with Disabilities Act (2005), please contact:

Arun Hindupur, M.Sc., P.Eng., Supervisor
Engineering and Transportation Services
519-822-1260 x 2282
arun.hindupur@guelph.ca

Sam Ziemann, P.Eng., Vice-President
C3 Water Inc.
519-772-9620 x 295
sam.ziemann@C3Water.com

From: [Bergman, Stephanie](#)
To: [Bohnert, Sara](#)
Subject: FW: Notice of Commencement - Guelph Wastewater Servicing Master Plan
Date: Friday, February 21, 2020 9:49:41 AM
Attachments: [GuelphWaterAndWastewaterMSP_MHSTCI_Ltr.pdf](#)

[Another one for Guelph water/wastewater](#)

Stephanie Bergman
[519-852-8945](tel:519-852-8945)

From: Samuel Ziemann <sam.ziemann@c3water.com>
Sent: Wednesday, February 19, 2020 9:14 AM
To: Bergman, Stephanie <Stephanie.Bergman@stantec.com>
Cc: Arun Hindupur <arun.hindupur@guelph.ca>; Eadie, Dave <Dave.Eadie@stantec.com>
Subject: FW: Notice of Commencement - Guelph Wastewater Servicing Master Plan

Another one. Thanks.

Sam

From: Arun Hindupur <Arun.Hindupur@guelph.ca>
Sent: Wednesday, February 19, 2020 9:08 AM
To: Samuel Ziemann <sam.ziemann@c3water.com>
Subject: FW: Notice of Commencement - Guelph Wastewater Servicing Master Plan

From: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>
Sent: Wednesday, February 19, 2020 8:55 AM
To: Arun Hindupur <Arun.Hindupur@guelph.ca>
Cc: Kirzati, Katherine (MHSTCI) <Katherine.Kirzati@ontario.ca>; Sam.ziemann@C3Water.ca
Subject: Notice of Commencement - Guelph Wastewater Servicing Master Plan

Arun Hindupur,

Please find attached, a letter acknowledging the receipt of your notice of commencement. Contact us with any further questions or concerns.

Joseph Harvey
On behalf of

Katherine Kirzati
Heritage Planner
Heritage Planning Unit
Katherine.Kirzati@Ontario.ca

This e-mail message (including attachments, if any) is intended for the use of the individual to whom it is addressed and may contain information that is privileged and confidential. If you are not the intended recipient, you are notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender and erase this e-mail message immediately.

**Ministry of Heritage, Sport,
Tourism, and Culture Industries**

Programs and Services Branch
401 Bay Street, Suite 1700
Toronto, ON M7A 0A7
Tel: 416.314.7643

**Ministère des Industries du Patrimoine,
du Sport, du Tourisme et de la Culture**

Direction des programmes et des services
401, rue Bay, Bureau 1700
Toronto, ON M7A 0A7
Tél: 416.314.7643



February 19, 2020

EMAIL ONLY

Arun Hindupur, M.Sc., P.Eng
Supervisor, Infrastructure Engineering
City of Guelph
Arun.hindupur@guelph.ca

MHSTCI File : 0012041
Proponent : City of Guelph
Subject : Notice of Study Commencement – Municipal Class EA
Project : Guelph Water and Wastewater Servicing Master Plan
Location : Guelph

Dear Arun Hindupur:

Thank you for providing the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) with the Notice of Commencement for your project. MHSTCI's interest in this Master Plan project relates to its mandate of conserving Ontario's cultural heritage, which includes:

- archaeological resources (including land and marine)
- built heritage resources (including bridges and monuments)
- cultural heritage landscapes

Under the Municipal Class Environmental Assessment (EA) process, the proponent is required to determine a project's potential impact on cultural heritage resources. A Master Plan project at minimum will address Phases 1 and 2 of the Municipal Class EA process. Developing and reviewing inventories of known and potential cultural heritage resources within the study area can identify specific resources that may play a significant role in guiding the evaluation of alternatives for subsequent project-driven EAs.

Project Summary

The City is updating its 2008 Water and Wastewater Servicing Master Plan (WWSMP) to ensure our water distribution and wastewater (sewer) collection infrastructure supports our growing community now and into the future. This study will be carried out according to the Municipal Engineers Association Municipal Class Environmental Assessment (2011, as amended), which is an approved Class of Environmental Assessment under the Environmental Assessment Act.

Identifying Cultural Heritage Resources

While some cultural heritage resources may have already been formally identified, others may be identified through screening and evaluation. Indigenous communities may have knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Indigenous communities includes a discussion about known or potential cultural heritage resources that are of value to these communities. Municipal Heritage Committees, historical societies and other local heritage organizations may also have knowledge that contributes to the identification of cultural heritage resources.

Archaeological Resources

Your Master Plan project may impact archaeological resources and you should screen the project with the screening checklists developed by MHSTCI: [Criteria for Evaluating Archaeological Potential](#) and [Criteria for Evaluating Marine Archaeological Potential](#). At a minimum, a Stage 1 archaeological assessment will be undertaken for the entire study area during the master plan phase to determine if archaeological assessments will be needed for subsequent project-driven Municipal Class EAs.

Built Heritage and Cultural Heritage Landscapes

A Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment will be undertaken for the entire study area during the master plan to inform if resources can be avoided and if technical cultural heritage studies will be needed for subsequent project-driven Municipal Class EAs.

1. Identify existing baseline cultural heritage conditions within the study area. The report will include a historical summary of the development of the study area and will identify all known or potential built heritage resources and cultural heritage landscapes in the study area. MHSTCI has developed screening criteria that may assist with this exercise: [Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes](#).
2. Identify preliminary project-specific impacts on the known and potential built heritage resources and cultural heritage landscapes that have been identified. The report should include a description of anticipated impact to each known or potential built heritage resources or cultural heritage landscape that has been identified.
3. Propose and recommend measures to avoid or mitigate potential negative impacts to known or potential cultural heritage resources. The proposed mitigation measures are to inform the next steps of project planning and design.

Technical cultural heritage studies will be undertaken by a qualified person who has expertise, recent experience, and knowledge relevant to the type of cultural heritage resources being considered and the nature of the activity being proposed.

The findings of the above-mentioned studies should be summarized as part of the master plan discussion of existing conditions, preliminary impact assessment and future commitments.

Environmental Assessment Reporting

All technical cultural heritage studies and their recommendations are to be addressed and incorporated into Master Plan projects. Please advise MHSTCI whether any technical heritage studies will be completed for your Master Plan project and provide them to MHSTCI before issuing a Notice of Completion.

Thank you for consulting MHSTCI on this project. Please continue to do so through the Master Plan process, and contact me for any questions or clarification.

Sincerely,

Joseph Harvey
On behalf of

Katherine Kirzati
Heritage Planner
Heritage Planning Unit
Katherine.Kirzati@Ontario.ca

Copied to: Sam Ziemann, P. Eng. Vice President, C3 Water Inc.

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MHSTCI makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MHSTCI be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MHSTCI if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the Ontario Heritage Act and the Standards and Guidelines for Consultant Archaeologists.

If human remains are encountered, all activities must cease immediately and the local police as well as the Registrar, Burials of the Ministry of Government and Consumer Services must be contacted. In situations where human remains are associated with archaeological resources, MHSTCI should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.

From: [Bergman, Stephanie](#)
To: [Bohnert, Sara](#)
Subject: FW: 20-20 IO has identified MOI property in study area - City of Guelph Water and Wastewater Servicing Master Plan
Date: Friday, February 21, 2020 9:48:57 AM
Attachments: [image001.png](#)

From: Samuel Ziemann <sam.ziemann@c3water.com>
Sent: Wednesday, February 19, 2020 9:13 AM
To: Bergman, Stephanie <Stephanie.Bergman@stantec.com>
Cc: Arun Hindupur <arun.hindupur@guelph.ca>; Eadie, Dave <Dave.Eadie@stantec.com>
Subject: FW: 20-20 IO has identified MOI property in study area - City of Guelph Water and Wastewater Servicing Master Plan

Hi Stephanie, please see the following response to the NOC. Can you please track these responses.

Thanks,

Sam

From: Arun Hindupur <Arun.Hindupur@guelph.ca>
Sent: Wednesday, February 19, 2020 9:08 AM
To: Samuel Ziemann <sam.ziemann@c3water.com>
Subject: FW: 20-20 IO has identified MOI property in study area - City of Guelph Water and Wastewater Servicing Master Plan

From: Kallideen, Raquel (IO) <Raquel.Kallideen@infrastructureontario.ca>
Sent: Tuesday, February 18, 2020 11:41 AM
To: Sam.ziemann@C3Water.ca; Arun Hindupur <Arun.Hindupur@guelph.ca>
Subject: 20-20 IO has identified MOI property in study area - City of Guelph Water and Wastewater Servicing Master Plan

Good morning,

Thank you for sending us the Notice of Commencement for the City of Guelph Water and Wastewater Servicing Master Plan Municipal Class Environmental Assessment.

Our initial scan indicates that properties owned by the Minister of Government and Consumer Services identified by

PINs 711990977, 712420036, 712360118, 712360104, 712360096, 712470481, 712850027, 712850025, 712860049, 712980084, 713180209, and multiple Hydro Corridor lands might be within your project's study area. However, it is the proponent's responsibility to verify if provincial government property is within the study area. Title documents may identify owners of provincial government property as any of the following:

- His Majesty the King
- Her Majesty the Queen
- Hydro One
- Hydro One Networks Inc.
- Management Board Secretariat (MBS)
- Minister of Economic Development, Employment and Infrastructure (MEDEI)
- Minister of Energy and Infrastructure (MEI)
- Minister of Government and Consumer Services (MGCS)
- Minister of Infrastructure (MOI)
- Minister of Natural Resources and Forestry (MNRF)
- Minister of Public Infrastructure Renewal (PIR)
- Minister of Public Works
- Minister of Transportation (MTO)
- Ontario Lands Corporation (OLC)
- Ontario Realty Corporation (ORC)

If provincial government property in the study area is not required for the project, please continue to consult us as a directly affected stakeholder. However, if government property is required for the project, the proponent should contact us so that we can advise about requirements for obtaining government property.

Best,

Raquel Kallideen



Raquel Kallideen (she, her)
Infrastructure Ontario
Environmental Management Co-op, Environmental Management

Raquel.Kallideen@infrastructureontario.ca

Office: 647-264-2745

www.infrastructureontario.ca

Follow IO at:   

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including any attachments, without reading it or making a copy. Thank you.

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From: [Bergman, Stephanie](#)
To: [Bohnert, Sara](#)
Subject: FW: City of Guelph - Water and Wastewater Servicing Master Plan - Notice of Study Commencement
Date: Wednesday, March 4, 2020 10:53:38 AM
Attachments: [NOC_WaterWastewaterMP v2.pdf](#)

From: Arun Hindupur <Arun.Hindupur@guelph.ca>
Sent: Wednesday, March 4, 2020 10:52 AM
To: sam.ziemann <sam.ziemann@c3water.com>; Eadie, Dave <Dave.Eadie@stantec.com>; Bergman, Stephanie <Stephanie.Bergman@stantec.com>
Subject: FW: City of Guelph - Water and Wastewater Servicing Master Plan - Notice of Study Commencement

From: EnviroOnt <EnviroOnt@tc.gc.ca>
Sent: Wednesday, March 4, 2020 10:51 AM
To: Arun Hindupur <Arun.Hindupur@guelph.ca>
Subject: City of Guelph - Water and Wastewater Servicing Master Plan - Notice of Study Commencement

Greetings,

Thank you for your correspondence.

Please note Transport Canada **does not** require receipt of all individual or Class EA related notifications. We are requesting project proponents to self-assess if their project:

1. Will interact with a federal property and/or waterway by reviewing the Directory of Federal Real Property, available at www.tbs-sct.gc.ca/dfrp-rbif/; **and**
2. Will require approval and/or authorization under any Acts administered by Transport Canada* available at <http://www.tc.gc.ca/eng/acts-regulations/menu.htm>.

Projects that will occur on federal property prior to exercising a power, performing a function or duty in relation to that project, will be subject to a determination of the likelihood of significant adverse environmental effects, per Section 82 of the *Impact Assessment Act, 2019*.

If the aforementioned does not apply, the Environmental Assessment program should not be included in any further correspondence and future notifications will not receive a response. If there is a role under the program, correspondence should be forwarded *electronically* to: EnviroOnt@tc.gc.ca with a **brief description of Transport Canada's expected role**.

*Below is a summary of the most common Acts that have applied to projects in an Environmental Assessment context:

- **Canadian Navigable Waters Act (CNWA)** – the Act applies primarily to works constructed or placed in, on, over, under, through, or across navigable waters set out under the Act. The Navigation Protection Program administers the CNWA through the review and authorization of works affecting navigable waters. Information about the Program, CNWA and approval process is available at: <http://www.tc.gc.ca/eng/programs-621.html>. Enquiries can be directed to NPPONT-PPNONT@tc.gc.ca or by calling (519) 383-1863.
- **Railway Safety Act (RSA)** – the Act provides the regulatory framework for railway safety, security, and some of the environmental impacts of railway operations in Canada. The Rail Safety Program develops and enforces regulations, rules, standards and procedures governing safe railway operations. Additional information about the Program is available at: <https://www.tc.gc.ca/eng/railsafety/menu.htm>. Enquiries can be directed to RailSafety@tc.gc.ca or by calling (613) 998-2985.
- **Transportation of Dangerous Goods Act (TDGA)** – the transportation of dangerous goods by air, marine, rail and road is regulated under the TDGA. Transport Canada, based on risks, develops safety standards and regulations, provides oversight and gives expert advice on dangerous goods to promote public safety. Additional information about the transportation of dangerous goods is available at: <https://www.tc.gc.ca/eng/tdg/safety-menu.htm>. Enquiries can be directed to TDG-TMDOntario@tc.gc.ca or by calling (416) 973-1868.
- **Aeronautics Act** – Transport Canada has sole jurisdiction over aeronautics, which includes aerodromes and all related buildings or services used for aviation purposes. Aviation safety in Canada is regulated under this Act and the Canadian Aviation Regulations (CARs). Elevated Structures, such as wind turbines and communication towers, would be examples of projects that must be assessed for lighting and marking requirements in accordance with the CARs. Transport Canada also has an interest in projects that have the potential to cause interference between wildlife and aviation activities. One example would be waste facilities, which may attract birds into commercial and recreational flight paths. The *Land Use In The Vicinity of Aerodromes* publication recommends guidelines for and uses in the vicinity of aerodromes, available at: <https://www.tc.gc.ca/eng/civilaviation/publications/tp1247-menu-1418.htm>. Enquires can be directed to at tc.aviationservicesont-servicesaviationont.tc@tc.gc.ca or by calling 1 (800) 305-2059 / (416) 952-0230.

Please advise if additional information is needed.

Thank you,

Environmental Assessment Program, Ontario Region

Transport Canada / Government of Canada / 4900 Yonge St., Toronto, ON M2N 6A5

EnviroOnt@tc.gc.ca / Facsimile : (416) 952-0514 / TTY: 1-888-675-6863

Programme d'évaluation environnementale, Région de l'Ontario
Transports Canada / Gouvernement du Canada / 4900, rue Yonge, Toronto, ON, M2N 6A5
EnviroOnt@tc.gc.ca / télécopieur: (416) 952-0514

From: Arun Hindupur [<mailto:Arun.Hindupur@guelph.ca>]
Sent: Thursday, February 13, 2020 8:52 AM
Subject: City of Guelph - Water and Wastewater Servicing Master Plan - Notice of Study Commencement

Hello,

Please see attached Notice of Study Commencement for the City of Guelph's Water and Wastewater Servicing Master Plan.

Thanks,
Arun

Arun Hindupur, M.Sc., P.Eng. | Supervisor, Infrastructure Engineering
Engineering and Transportation Services
City of Guelph

T 519-822-1260 x 2282 | F 519-822-6194
E arun.hindupur@guelph.ca

guelph.ca

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From: [Arun Hindupur](#)
To: [sam.ziemann](#); [Eadie, Dave](#); [Bergman, Stephanie](#); [Michelle Scott](#)
Subject: FW: Notice of Study Commencement-Water and Wastewater Servicing Master Plan EA
Date: Tuesday, March 10, 2020 10:37:42 AM
Attachments: [Study Involvement Wastewater and Stormwater Master Servicing Plan.pdf](#)

From: Ashley Rye <arye@grandriver.ca>
Sent: Tuesday, March 10, 2020 9:52 AM
To: Arun Hindupur <Arun.Hindupur@guelph.ca>
Subject: Notice of Study Commencement-Water and Wastewater Servicing Master Plan EA

Good Morning Arun,

Please find attached GRCA's letter requesting continued involvement with the City of Guelph's Water and Wastewater Servicing Master Plan Environmental Assessment.

Thank you,
Ashley

Ashley Rye
Resource Planner
Grand River Conservation Authority
400 Clyde Road
Cambridge, ON N1R5W6
P: (519) 621-2763 Ext. 2238
F: (519) 621-4844
W: www.grandriver.ca

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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

March 10, 2020

Arun Hindupur, Supervisor, Infrastructure, Engineering
Engineering and Transportation Services
City of Guelph
1 Carden Street, Guelph Ontario N1H 3A1

**Subject: City of Guelph Water and Wastewater Servicing Master Plan, Notice of Study
Commencement**

Thank-you for circulating our office the Notice of Commencement for the City of Guelph Water and Wastewater Servicing Master Plan. There are multiple areas of interest in the City of Guelph for Grand River Conservation Authority (GRCA) as such we request to maintain involvement in this study. Please add our office to the notification and circulation information as it becomes available.

Please contact me if you have any questions or require additional information.

Yours sincerely,

A handwritten signature in black ink that reads "Ashley Rye".

Ashley Rye
Resource Planner
Grand River Conservation Authority
519-621-2763 ext. 2238

From: [Samuel Ziemann](#)
To: [Bergman, Stephanie](#)
Cc: [Arun Hindupur](#); [Eadie, Dave](#)
Subject: FW: Hydro One Response: Guelph Water and Wastewater Servicing Master Plan
Date: Wednesday, April 8, 2020 9:31:23 AM
Attachments: [20200408-NoticeOfCommence-Guelph Water and Wastewater Servicing Master Plan.pdf](#)

Good Morning Stephanie, I hope you and your family are doing well. See the attached response from HydroOne for filing and to make sure they are on the contact and distribution list.

Regards,

Sam Ziemann
519 404-4529

Note that the C3 Water team has implemented a work from home policy. We will be available for meetings via web and teleconference and will be updating our Outlook calendar requests to reflect this. Our site services and contract admin team will continue to provide site inspection services following recommended sanitary and social interaction practices for prevention of the spread of the Covid-19 virus.

From: SecondaryLandUse@HydroOne.com <SecondaryLandUse@HydroOne.com>
Sent: Wednesday, April 08, 2020 9:10 AM
To: Samuel Ziemann <sam.ziemann@c3water.com>
Cc: Arun Hindupur <arun.hindupur@guelph.ca>
Subject: Hydro One Response: Guelph Water and Wastewater Servicing Master Plan

Please see the attached for Hydro One's Response.

Hydro One Networks Inc
SecondaryLandUse@HydroOne.com

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Hydro One Networks Inc
483 Bay St
Toronto, ON

April 08, 2020

Re: Guelph Water and Wastewater Servicing Master Plan

Attention:
Sam Ziemann, P.Eng.
Vice-President
C3 Water Inc.

In our preliminary assessment, we have confirmed that Hydro One has existing high voltage transmission facilities and corridors reserved for future use within your study area (see map attached). At this point in time we do not have enough information about your project to provide you with meaningful input with respect to the impacts that your project may have on our infrastructure. As such, this response does not constitute any sort of approval for your plans and is being sent to you as a courtesy to inform you that we must be consulted on your project.

In addition to the existing infrastructure mentioned above, the affected transmission corridor may have provisions for future lines or already contain secondary land uses (i.e. pipelines, watermains, parking, etc). Please take this into consideration in your planning.

Also, we would like to bring to your attention that should (Guelph Water and Wastewater Servicing Master Plan) result in a Hydro One station expansion or transmission line replacement and/or relocation, an environmental assessment (EA) will be required as described under the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016). This EA process would require a minimum of 6 months to be completed and associated costs will be allocated and recovered in accordance with the Transmission System Code. Furthermore, to complete an EA it can take from 6 months (to complete a Class EA Screening Process) to 18 months (to complete a Full Class EA Process) based on the level of assessment required for the EA. In order to achieve speedy completion of the EA, Hydro One will need to rely on studies and/or reports completed as part of the EA for your project.

Please allow the appropriate lead-time in your project schedule in the event that your proposed development impacts Hydro One infrastructure to the extent that it would require modifications to our infrastructure.

In planning, please note that developments should not reduce line clearances or limit access to our facilities at any time in the study area of your Proposal. Any construction activities must maintain the electrical clearance from the transmission line conductors as specified in the Ontario Health and Safety Act for the respective line voltage.

Be advised that any changes to lot grading and/or drainage within or in proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor.

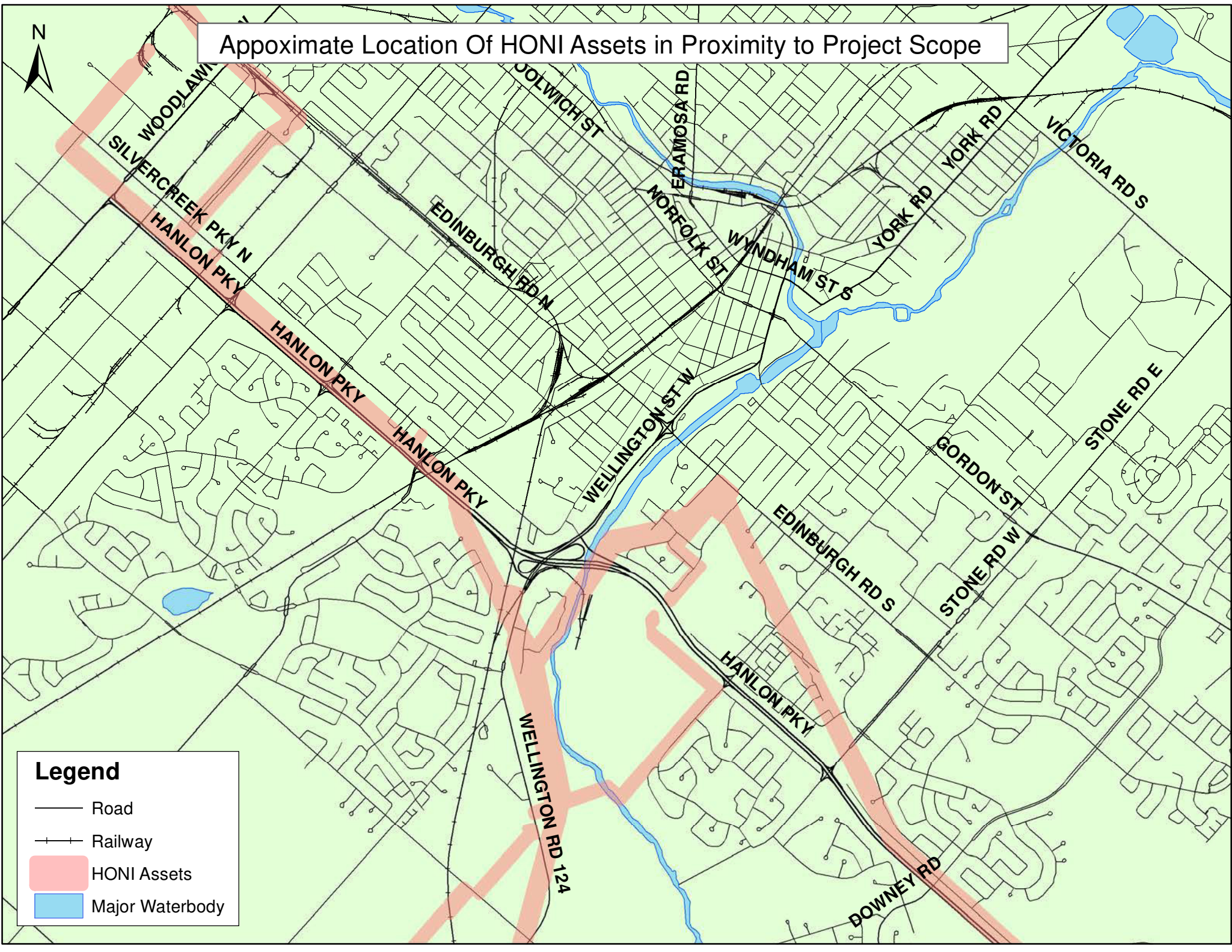
Please note that the proponent will be held responsible for all costs associated with modification or relocation of Hydro One facilities, as well as any added costs that may be incurred due to increase efforts to maintain our facilities.

We reiterate that this message does not constitute any form of approval for your project. Hydro One must be consulted during all stages of your project. Please ensure that all future communications about your project are sent to us electronically to secondarylanduse@hydroone.com.

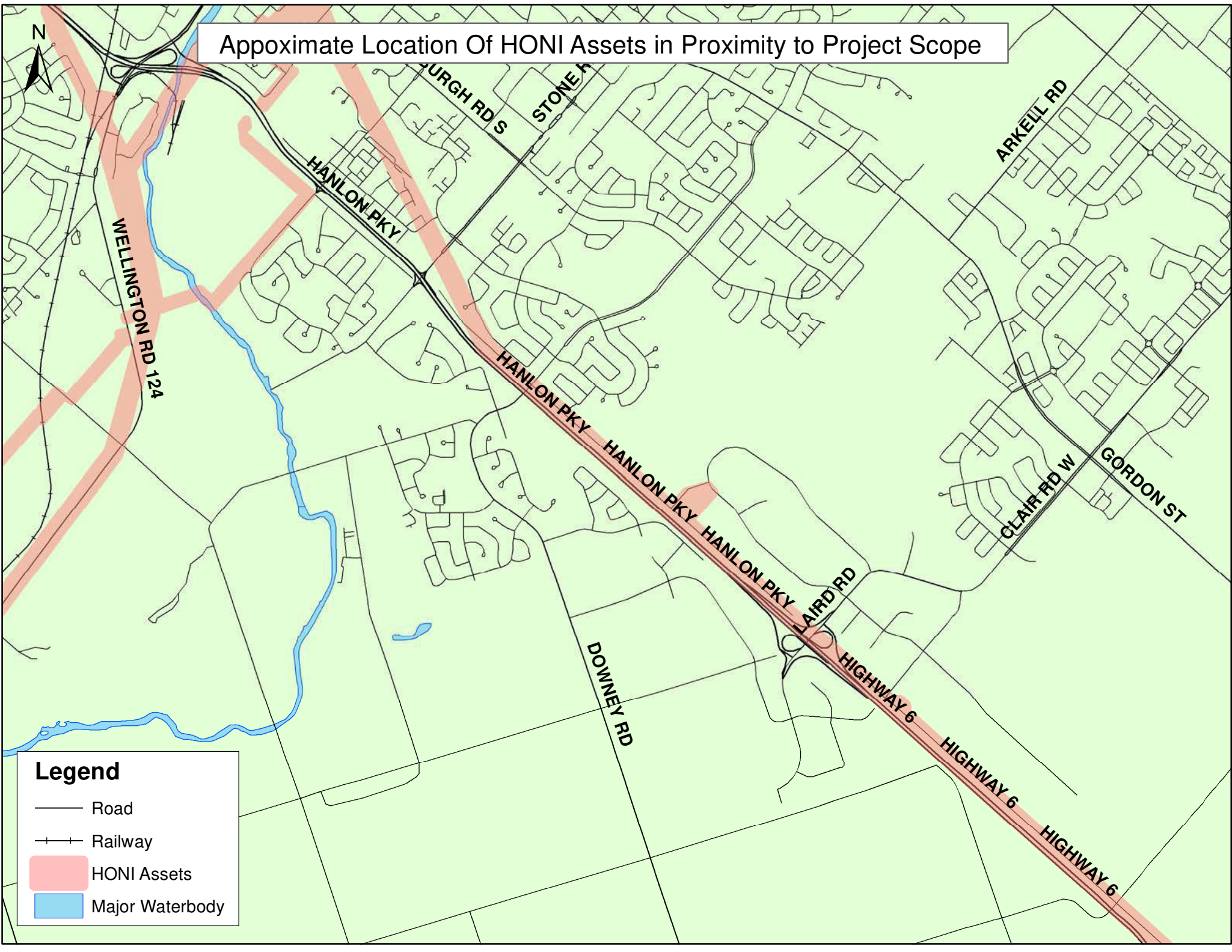
Sent on behalf of,

***Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.***

Approximate Location Of HONI Assets in Proximity to Project Scope



Approximate Location Of HONI Assets in Proximity to Project Scope



Legend

- Road
- + + Railway
- HONI Assets
- Major Waterbody

Open House 1



Guelph Water and Wastewater Servicing Master Plan – Phase 1

Community Engagement Summary, June 2021

Prepared by Stantec Consulting Ltd.

Virtual Open House # 1 Purpose:

The first Virtual Open House for the City of Guelph's Water and Wastewater Servicing Master Plan (WWSMP) was held from October 28-November 30, 2020. The purpose of the first Open House was to present the objectives and overview of the Master Plan, the City's current water distribution and wastewater collection systems, preliminary water and wastewater servicing alternatives for meeting the City's growth needs, and proposed criteria for evaluating the water and wastewater servicing strategies.

Virtual Open House # 1 Format and Content:

The Open House was presented as a link from the City of Guelph's Water and Wastewater Servicing Master Plan webpage (<https://www.haveyoursay.guelph.ca/water-and-waste-water-master-plan-update>) and was presented via an online ArcGIS StoryMaps platform at the following link:

<https://storymaps.arcgis.com/stories/951ce157e4db40db8ef895f1a8ea4bd7>. A written transcript was also made available to anyone that requested it.

The following information and topics were presented at the Virtual Open House:

- Objectives of WWSMP
- Master Plan Process & Problem and Opportunity Statement
- Existing Water and Wastewater System
- How the WWSMP Is Being Updated
- Evaluation Criteria
- Alternative Solutions
- Related Recent and Ongoing Plans, Projects and Studies
- Next Steps

A PDF copy of the Open House content is attached to this memo for reference.





Virtual Open House # 1 Notifications:

Notifications for the Virtual Open House were sent via email to federal, provincial, and municipal agencies, emergency service providers, elected officials, stakeholders, and Indigenous communities on November 13, 2020. A copy of the Notice is attached to this memo for reference.

A combined newspaper advertisement for all City of Guelph water-related master plan studies was published on October 29, 2020, November 12, 2020, and November 26, 2020.

The following agencies, stakeholders, and Indigenous communities received a copy of the Virtual Open House # 1 Notice:

Indigenous Communities:

- Six Nations of the Grand River
- Mississaugas of the Credit First Nation
- Haudenosaunee Development Institute
- Haudenosaunee Confederacy Chiefs Council
- Métis Nation of Ontario

Federal Agencies:

- Fisheries and Oceans Canada
- Transport Canada
- Environment Canada

Provincial Agencies:

- Infrastructure Ontario
- Ministry of Agriculture, Food, and Rural Affairs
- Ministry of Community Safety and Correctional Services
- Ministry of Municipal Affairs and Housing

- Ministry of Natural Resources and Forestry
- Ministry of the Environment, Conservation and Parks
- Ministry of Heritage, Sport, Tourism and Culture Industries
- Ministry of Transportation
- Grand River Conservation Authority

Municipalities and Local Government:

- Guelph Eramosa Township
- Puslinch Township
- Region of Waterloo
- Town of Milton
- Township of Centre Wellington
- Wellington-Dufferin-Guelph Health Unit
- Wellington County

Utilities and Emergency Services:

- Bell Canada - Access Network Department
- Guelph Fire Department





- Guelph Hydro
- Guelph Police Service
- Guelph-Wellington EMS
- Hydro One
- Ontario Power Generation
- Rogers Cable
- University of Guelph

Stakeholders:

- Brant Avenue Neighborhood Group
- Brothers Brewing Company
- Chamber of Commerce
- Clean Water Coalition
- Cutten Fields
- Dolime Quarry
- Exhibition Park Neighbourhood Group
- Fixed Gear Brewing Co.
- Gay Lea Foods
- GET Concerned
- Grange Hill East Neighbourhood Group
- Guelph & Guelph Eramosa Township Community Liaison Group
- Guelph Community Foundation
- Guelph and District Homebuilders' Association
- Guelph Wellington Developers' Association
- Guelph Youth Council
- Hanlon Creek Neighbourhood Group
- Linmar Corporation
- Mandarin Restaurant Guelph
- Maple Leaf Foods Inc
- McNeil Consumer Healthcare
- Nature Guelph
- Nestle Waters Canada
- North Riverside Neighbourhood Group
- Ontario Public Interest Research Group (OPIRG)
- Onward Willow Neighbourhood Group
- Our Lady of Lourdes School
- Parkwood Gardens Neighbourhood Group
- Polycon Industries
- Protect Our Moraine
- Rickson Ridge Neighbourhood Group
- Royal City Brewing Company
- Saint George's Park Neighbourhood Group
- Save our Water
- Sleeman Breweries Ltd.
- Springfield Golf & Country Club
- St Joseph's Health Centre
- The Council of Canadians
- The Guelph Country Club
- The Junction Neighbourhood Group
- Two Rivers Neighbourhood Group
- Victoria Park East Golf Club
- Wellington Brewery
- Wellington Water Watchers
- Christian Farmers Federation of Ontario
- Wellington Federation of Agriculture
- Indigenous Healing & Wellness Program Wellington-Waterloo





Elected Officials and Staff:

- MP Guelph
 - MPP Guelph
 - City of Guelph Staff
 - City of Guelph, Township of Guelph/Eramosa, Town of Erin, Town of Minto, Township of Centre Wellington, Township of Mapleton, Township of Puslinch, and Township of Wellington North elected officials
- Planning and Building, Engineering and Environment Committee
 - Economic Development Advisory Committee
 - Water Conservation and Efficiency Public Advisory Committee
 - River Systems Advisory Committee
 - Environmental Advisory Committee

Feedback and Comments Received During Open House 1:

Approximately 159 people visited the Open House webpage. No comments were received from stakeholders, agencies, Indigenous communities, or members of the public.

Have Your Say Online Survey:

An online survey was included in the Open House # 1 presentation and Articulate Storyline. The purpose of the online survey was to gather information on residents' experience with the existing water and wastewater infrastructure. In particular, the survey was focused on disruption of water services, water pressure, sewer back-up and blockage issues.

- A total of 26 people submitted responses to the online survey. Below is a summary of responses provided to each question:
- The majority of respondents noted that their water pressure was strong to moderately strong.
- The majority of respondents noted that disruption to water services has occurred "Never" or "Once or twice a year".
- There was split interest in a smart water meter with 11 "Yes", 8 "No", and 7 "I don't know" responses.
- The majority of people noted that they have not experienced a sewer backup that isn't attributed to a household plumbing or drainage issue.
- Respondents (3) noted that sewer blockage has only occurred once, 3 times due to freezing, and once every 1-5 years.

The individual responses to each survey question are appended to this memo.





Next Steps:

Following the completion of the first Virtual Open House and Have Your Say Online Survey, the City and study team will be completing an evaluation of alternative solutions and develop recommended projects identified through the Master Plan. The second Open House is planned for fall of 2021 and it will present the evaluation of alternative solutions and recommended projects.



Public Notice

Have your say on how the City manages all things water in Guelph

Join the conversation to help guide Guelph's four water-related master plans

October 28, 2020 – Guelph is a growing community and how the City manages water, in all its forms, is changing to adapt to our growing community. The City is updating four water-related master plans and invites Guelph residents to have their say through virtual community open houses, asking their questions, taking surveys and more starting today until November 30.

The water-related master plans cover:

- **[Wastewater treatment and biosolids management:](#)** how the City manages wastewater (what you flush down your sinks, drains and toilets) so it's sustainable, protects our waterways and the environment.
- **[Stormwater management:](#)** how the City manages stormwater run off (rain and melted snow) from your roofs and driveways, and from roads and sidewalks, to help prevent flooding and protect people and the environment.
- **[Water and wastewater servicing:](#)** how we build and take care of all the pipes that deliver your drinking water and take away what you flush.
- **[Water supply:](#)** where we get our drinking water. The Water Supply Master Plan received community feedback at an open house and survey which took place in February of 2020. Survey results and a master planning progress update is now available on the [project page](#). A second virtual open house will be held in 2021.

Get involved

Have your say and help shape long-term plans for your community by:

- **Visiting the [virtual open houses:](#)** attend each master plan's virtual open house to learn what each master plan aims to do, what challenges the City is facing and how it impacts you and the rest of our community.
- **Taking online surveys, asking questions and more:** you can answer survey questions, ask your own questions and share your ideas about the master plans by November 30.
- **Staying up to date on the City's master planning work:** master planning updates are shared through our project pages at haveyoursay.guelph.ca and guelph.ca/plans-and-strategies. You can also get updates and hear about future opportunities to get involved by joining the mailing list for the master plans that interest you.
- **Following the conversation on [Twitter](#) and [Facebook](#).**

The process

The Master Plans will be carried out according to the Municipal Engineers Association Municipal Class Environmental Assessment (2015, as amended), which is an approved Class of Environmental Assessment under the Environmental Assessment Act. Results from this Master Plan will be documented in an environmental assessment that will be made available for public review. At that time, residents, businesses, Indigenous communities and other interested persons or groups will be informed of when and where the environmental assessment can be reviewed.

About the City's different master plans

The City's [master plans](#) assess the infrastructure we have to support today's services and decide what we'll need as our community grows. Our master plans build on the goals and policies from the Official Plan to integrate existing and future land use plans, and define long-term objectives. Looking at the city as a whole helps to evaluate options, consider a variety of perspectives, understand different outcomes, and make better decisions for a future ready Guelph.

For more information

Wastewater Treatment and Biosolids Management Master Plan

Mari MacNeil, Manager of Technical Services
Wastewater Services, Environmental Services
519-822-1260 extension 2284
mari.macneil@guelph.ca

Stormwater Management Master Plan and the Water and Wastewater Servicing Master Plan

Reg Russwurm, Manager Design and Construction
Engineering and Transportation Services
519-822-1260 extension 2765
reg.russwurm@guelph.ca

Water Supply Master Plan

Dave Belanger, Water Supply Program Manager
Water Services, Environmental Services
519-822-1260 extension 2186
Dave.Belanger@guelph.ca



Water and Wastewater Servicing Master Plan



City of Guelph water and wastewater servicing master plan

Welcome

October 28, 2020

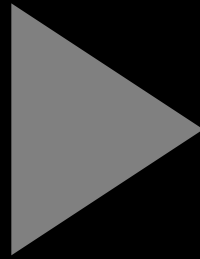
We're updating the 2008 Water and Wastewater Servicing Master Plan to ensure our water and wastewater infrastructure (things such as pipes, sewers, and pumping stations) continues to support Guelph's population growth now until 2051. The 2020 Master Plan Update is intended to identify existing capacity constraints within the water and wastewater systems, as well as provide long-term servicing strategies. We're doing this by evaluating various servicing alternatives and determining the preferred alternatives to support planned growth across the City.

The purpose of this virtual open house is to share information and hear your thoughts on:

- The objectives and overview of the Master Plan
- The City's current water distribution and wastewater collection systems
- Preliminary water and wastewater servicing alternatives for meeting our growth needs
- Proposed criteria for evaluating the water and wastewater servicing strategies
- Next steps as we update the Master Plan

Read through the following information and complete a survey online at <https://www.haveyoursay.guelph.ca/water-and-waste-water-master-plan-update>

We've prepared this virtual public open house to provide an overview of the Master Plan, and we welcome any questions you may have about the project, or water and wastewater servicing within the City. We also have a survey link at the bottom of the page where you have the opportunity to tell us a bit about your experiences with your water/wastewater servicing. The project team will be reviewing the feedback received in developing and evaluating alternative solutions through the master planning process.



Master plan process

This **Master Plan** follows the Municipal Class Environmental Assessment (Class EA) process, and includes the completion of **Phases 1 and 2 shown here:**

Problem and opportunity statement

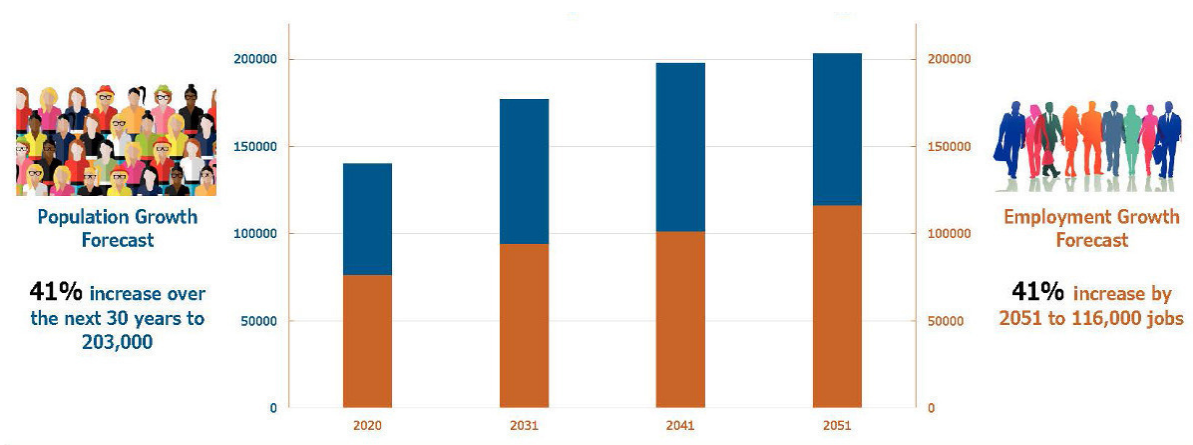
It's been over 10 years since the Master Plan was completed. We're updating it to identify servicing requirements for existing service areas and growth areas to 2041/2051. The Master Plan will also:

- Consider the impact of population and employment growth

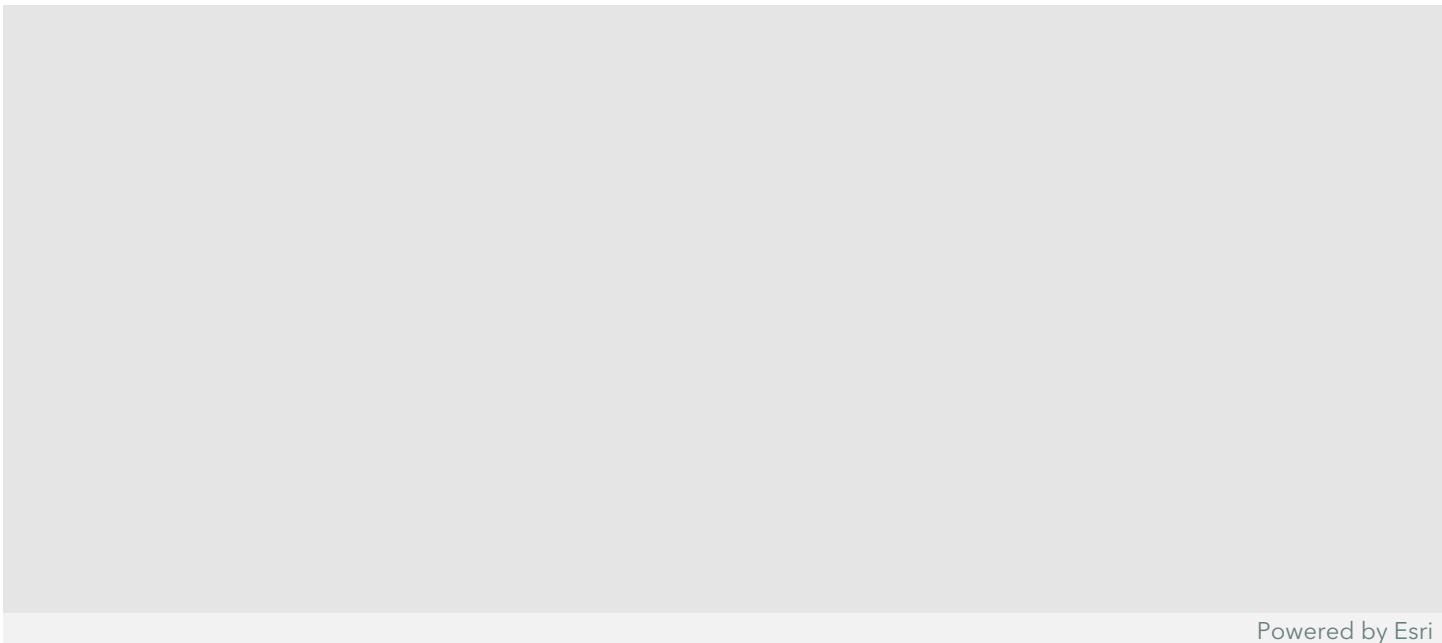
beyond 2041/2051

- Further the City’s focus to become a Smart City
- Consider the use of innovative technologies for improved water and wastewater level of service

This is how Guelph is growing



Existing water and wastewater system



Existing water system

Ground water well



Ground Water Wells pump ground water from aquifers for use in Guelph's water supply system. There are 19 production wells The City of Guelph's water system.

Pressure zones



A pressure zone is an area within certain elevations that receives water from the same pressure origin.

Pump station



Pump stations pressurize water to move it through Guelph's system of water mains.



Water main





Water Mains move treated drinking water throughout the city. There are over 570 km of water main within the City of Guelph.

Water tower

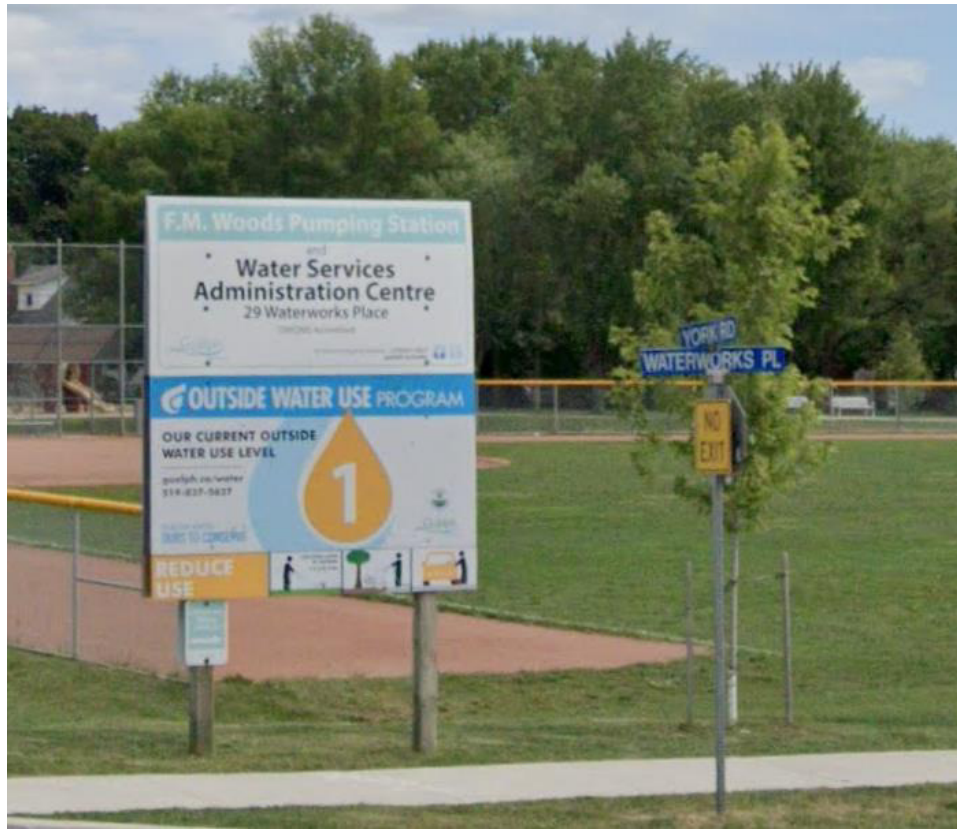




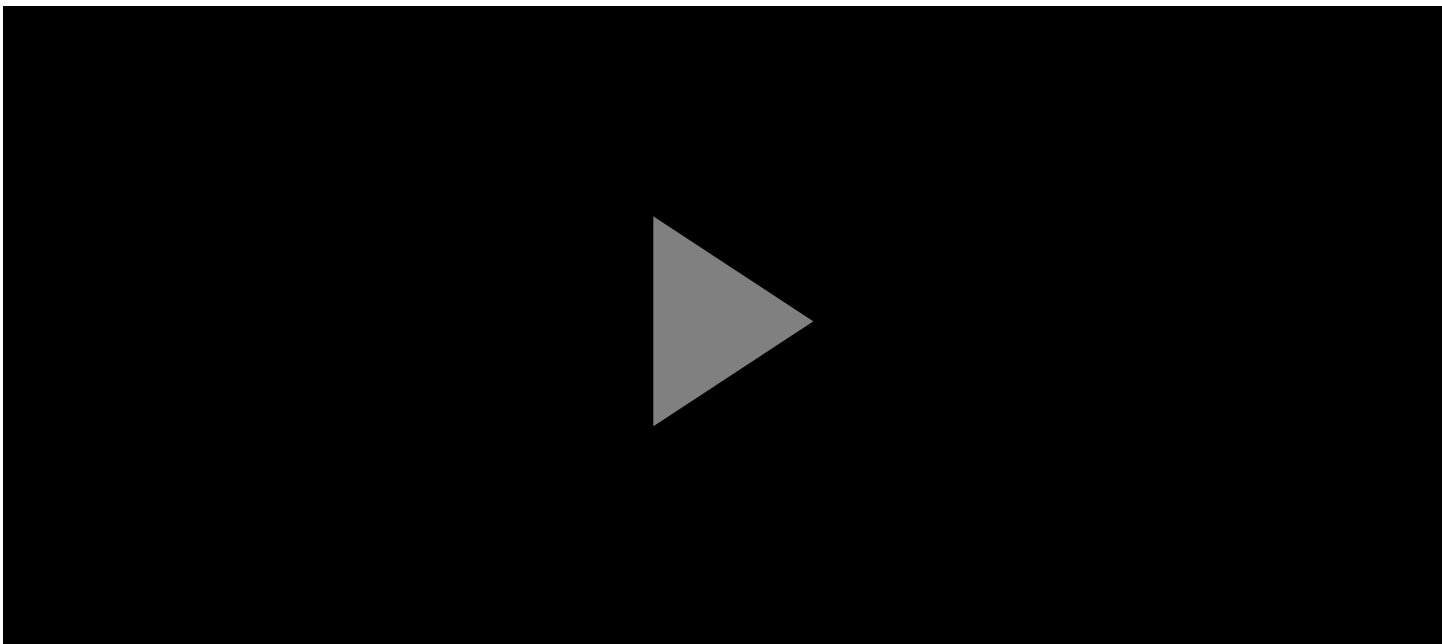
Water Towers provide storage and redundancy within the water supply system and extra capacity in the event of an emergency situation. The City of Guelph has 3 water towers.

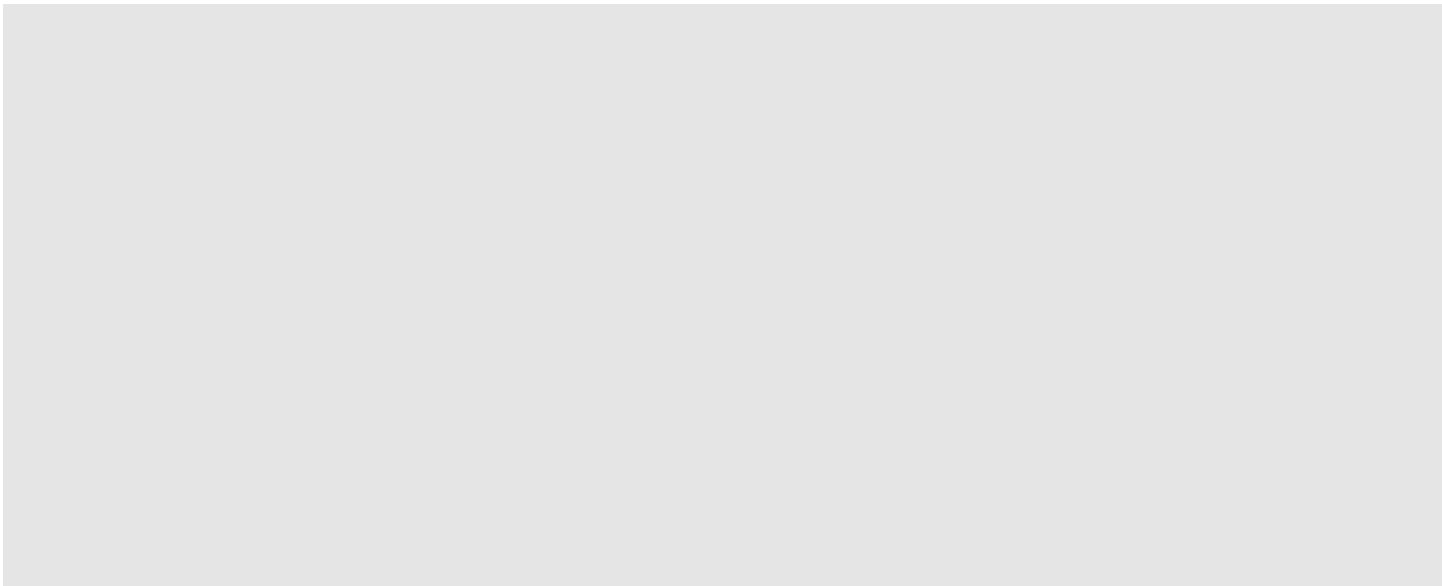
FM Woods facility





The FM Woods facility treats, stores and pumps clean water.





Powered by Esri

Existing wastewater system

Gravity sanitary sewer

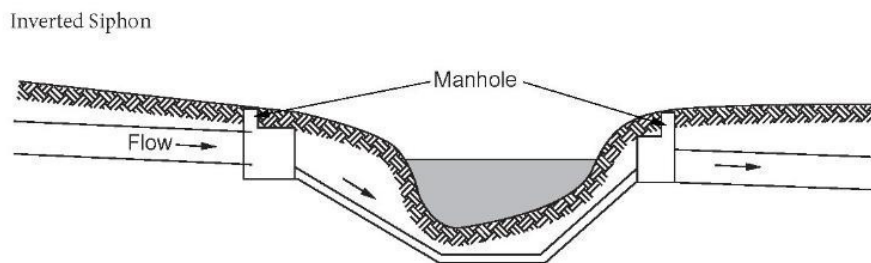




Gravity Sewers convey household waste water to the wastewater treatment plant. There are over 500 km of gravity sewer within the City of Guelph.

Siphon

Siphons are a type of sewer that allows wastewater to flow through a pipe under low lying areas or obstructions such as rivers or utility corridors.



Wastewater treatment plant





The wastewater treatment plant treats water before discharge into the speed river. See this page for information on ongoing Wastewater Treatment and Biosolids master plan <https://www.haveyoursay.guelph.ca/waste-water-treatment-and-biosolids-management-master-plan>

How are we updating the water and wastewater master servicing plan?

To update the Master Plan several technical, financial and system analyses must be done so we can get a good understanding of what we need to plan for.



Evaluation criteria

We will be evaluating alternative solutions to address existing and future water/wastewater servicing needs against the following general criteria:



Social/cultural- This category considers things like land use and development, and community disruption.



Natural environment- This category considers things like impacts to environmental features and habitats, including Species at Risk.



Public health and safety- This category considers impacts to public health and safety.



Economic/ financial- This category considers both capital costs and long term operations and maintenance costs.



Legal jurisdiction - This category considers applicable legislation and regulatory requirements.



Technical- This category considers engineering or design related criteria.

Alternative solutions

We'll be considering a number of alternative solutions to

address existing and future needs within the water distribution and wastewater collection systems. Alternative solutions include:



1. Do nothing – we consider this option to compare against other options being considered. What would happen if we made no improvements?



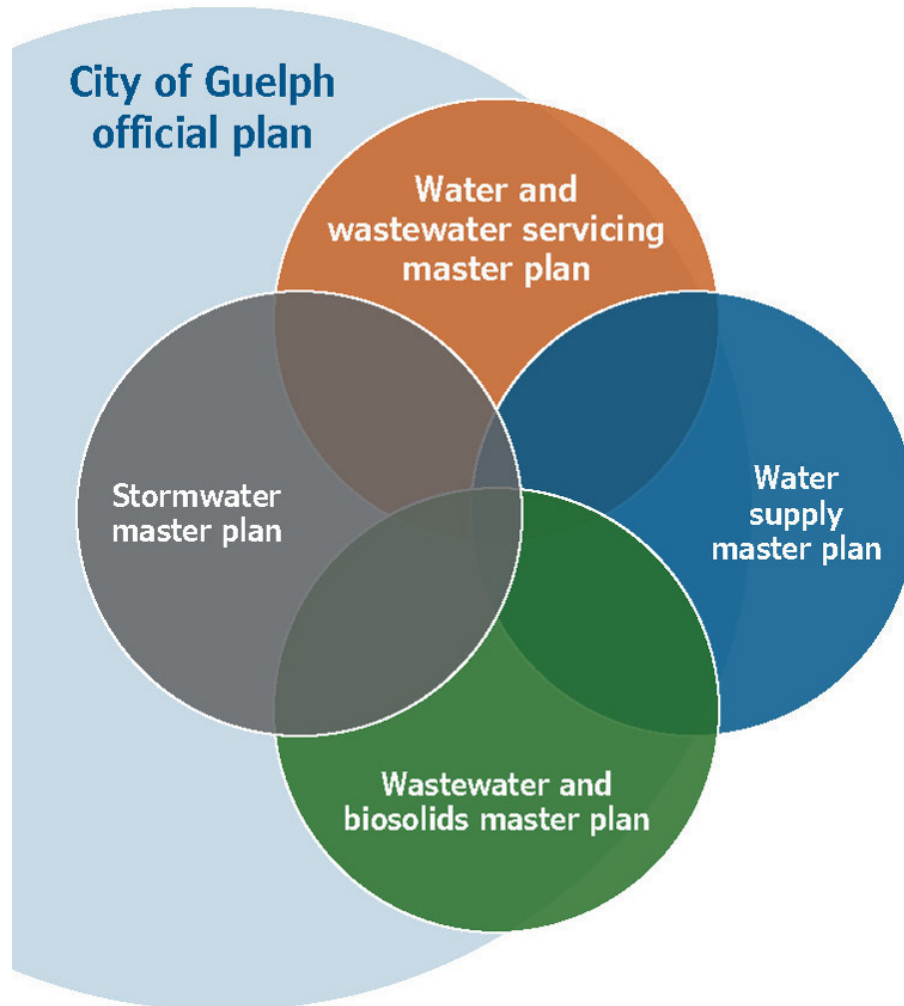
2. Improve/upgrade existing facilities - this could involve improvements to increase capacity or address aging infrastructure, like pumping stations, reservoirs, elevated tanks/water towers, watermains and sewers.



3. Construct new facilities - this could include constructing new facilities such as storage reservoirs, elevated tanks/water

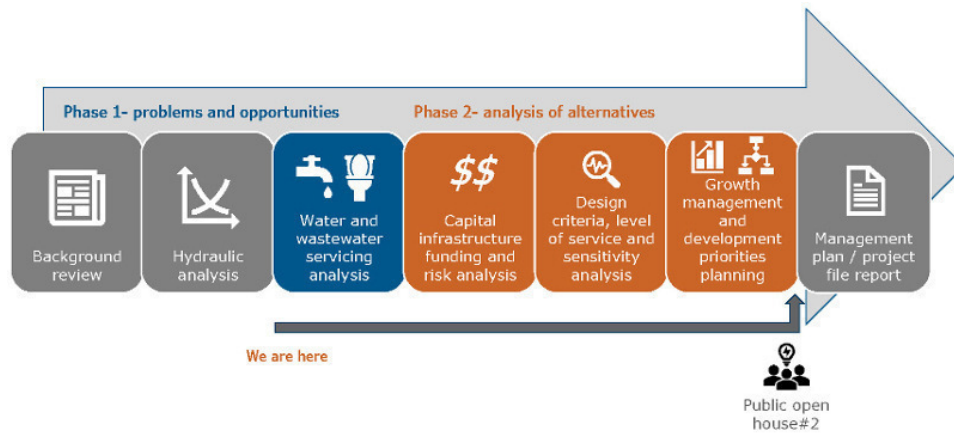
towers, pumping stations, and new watermains and sewers.

Related recent and ongoing plans, projects and studies



Next steps

Our next open house is scheduled for 2021, where we will provide more information on alternative solutions and recommended projects identified through the Master Plan.



Get involved

Join the conversation by completing the survey found at the link below and register to receive project updates:

<https://www.haveyoursay.guelph.ca/water-and-waste-water-master-plan-update>

Additional project information:

<https://guelph.ca/plans-and-strategies/water-and-wastewater-servicing-master-plan/>

[Twitter.com/CityofGuelph](https://twitter.com/CityofGuelph)

[Facebook.com/CityofGuelph](https://facebook.com/CityofGuelph)

Receive notifications:

Send your name and mailing address or email to the contacts.
Use subject line: WWSMP Mailing List

Reg Russwurm, MBA, P.Eng,

Manager, Design and Construction, Engineering and Transportation Services

Infrastructure, Development and Enterprise, City of Guelph

t. 519-822-1260 extension 2765

reg.russwurm@guelph.ca

Sam Ziemann, P.Eng., Vice President

C3 Water Inc.

t. 519-404-4529

Sam.Ziemann@C3Water.com



Powered by ArcGIS StoryMaps

Open House 1 Online Survey Results (refer to memo for the totals)

How often have you experienced a disruption of your water service? This could include disruptions during watermain flushing or emergency watermain breaks, or other disruptions.	How would you rate the water pressure in your home/business?	Would you be interested in a "Smart" water meter to better understand your daily and hourly water usage? & nbsp;	Have you ever experienced a sewer backup that wasn't attributed to a household blockage? (deleted)	Have you ever experienced a sewer backup that wasn't attributed to a household blockage?	How often has a blockage occurred?	How often has a blockage occurred? (Other (please specify))	Would you like to provide your postal code to give the project team more information on your location within the City? (Please note that this information will be used by the Project Team in the context of the larger sewer network review.) Answering this question is optional.
I've never experienced a disruption to my water service	My water pressure is very strong	I don't know/ not sure		No			Guelph, ON, N1G2K9
Once or twice a year	My water pressure is moderately strong	No		No			Guelph, ON, N1H8H5
I've never experienced a disruption to my water service	My water pressure is moderately strong	No		Yes		3 Times due to freezing.	Guelph, ON, N1E5V6
Once or twice a year	My water pressure is moderately strong	I don't know/ not sure		Yes	Only once		
Once or twice a year	My water pressure is moderately strong	Yes		No			
I've never experienced a disruption to my water service	My water pressure is very strong	Yes		No			Guelph, ON, N1G4J8
Once or twice a year	My water pressure is very strong	Yes		No			Guelph, ON, N1E7E3
Once or twice a year	My water pressure is moderately strong	Yes		Yes	Once every 1-5 years		Guelph, ON, N1H2L2
Once or twice a year	My water pressure is somewhat weak	Yes		No			
I've never experienced a disruption to my water service	My water pressure is somewhat weak	I don't know/ not sure		No			
I've never experienced a disruption to my water service	My water pressure is somewhat weak	I don't know/ not sure		No			Guelph, ON, N1E6N9
Once or twice a year	My water pressure is very strong	I don't know/ not sure		No			Guelph, ON, N1G2T2
I've never experienced a disruption to my water service	My water pressure is very weak	Yes		Don't know/ not sure			Guelph, ON, N1E0G7
I've never experienced a disruption to my water service	My water pressure is very strong	Yes		No			Guelph, ON, N1E0A9
I've never experienced a disruption to my water service	My water pressure is moderately strong	I don't know/ not sure		No			Guelph, ON, N1H5M8
I've never experienced a disruption to my water service	My water pressure is moderately strong	Yes		No			Guelph, ON, N1E7M1
Once or twice a year	My water pressure is moderately strong	No		No			Guelph, ON, N1E4H8
I've never experienced a disruption to my water service	My water pressure is moderately strong	No		No			Guelph, ON, N1C1H1
I've never experienced a disruption to my water service	My water pressure is very strong	No		No			Guelph, ON, N1H5Z8
Once or twice a year	My water pressure is moderately strong	No		No			Guelph, ON, N1H3X6
I've never experienced a disruption to my water service	My water pressure is very strong	Yes		No			
Once or twice a year	My water pressure is moderately strong	No		Don't know/ not sure			
I've never experienced a disruption to my water service	My water pressure is very strong	Yes		No			Guelph, ON, N1H5Y5
I've never experienced a disruption to my water service	My water pressure is moderately strong	Yes		No			Guelph, ON, N1E3L2
Once or twice a year	My water pressure is moderately strong	No		No			Guelph, ON, N1G3M1
I've never experienced a disruption to my water service	My water pressure is moderately strong	I don't know/ not sure		No			

Open House 2

To: City of Guelph
Colleen Gammie – Engineering
and Transportation Services

From: Nevena Gazibara
Hamilton ON Office

File: 165640298

Date: February 10, 2023

**Reference: City of Guelph Water and Wastewater Servicing Master Plan (WWSMP) -
Summary of Open House # 2**

OPEN HOUSE # 2 PURPOSE:

The second Open House for the City of Guelph's Water and Wastewater Servicing Master Plan (WWSMP) was held from November 29, 2022 to December 20, 2022. The purpose of the second Open House was to present and gather feedback on the evaluation of water and wastewater servicing alternatives, proposed water and wastewater strategies and upgrades, and implementation strategies.

OPEN HOUSE # 2 FORMAT AND CONTENT:

The second Open House was held in person at Guelph City Hall - Room C (1 Carden Street, Guelph) on November 29, 2022, from 5:30 PM to 7:30 PM. There was also a live virtual meeting held at the same time via Microsoft Teams for anyone interested in discussing the Open House # 2 materials directly with members of the project team. The Open House # 2 PowerPoint presentation was also made available as a link on the City's website. Comment sheets were provided at the in-person event and online on the City's Water and Wastewater Servicing Master Plan webpage (<https://www.haveyoursay.guelph.ca/water-and-waste-water-master-plan-update>).

The following information and topics were presented at the Open House:

- Project Background and Study Process
- Opportunities and Constraints
- Evaluation Criteria and Evaluation of Water and Wastewater Servicing Alternatives
- Proposed Water Strategies and Upgrades
- Proposed Wastewater Strategies and Upgrades
- Implementation Strategies and Costs
- Next Steps

A PDF copy of the Open House content is attached to this memo for reference.

Reference: City of Guelph Water and Wastewater Servicing Master Plan (WWSMP) - Summary of Open House # 2

OPEN HOUSE # 2 NOTIFICATIONS:

Notifications for the Open House were sent via email to federal, provincial, and municipal agencies, emergency service providers, elected officials, and other audiences on November 10, 2022. Project update letters were provided to Indigenous communities via email on October 31, 2022. A copy of the Notice is attached to this memo for reference.

A combined newspaper advertisement for all City of Guelph water-related master plan studies was published on November 24th, December 1st, December 8th, and December 15th, 2022, in the Guelph Mercury Tribune. Notifications and updates for the WWSMP were also provided on the City of Guelph Facebook page on November 24th, November 27th, December 3rd, December 8th, and December 14th, 2022. Copies of the newspaper advertisements and Facebook updates are attached to this memo for reference.

The following agencies, audiences, and Indigenous communities received a copy of the Open House # 2 Notice:

Indigenous Communities:

- Six Nations of the Grand River
- Mississaugas of the Credit First Nation
- Haudenosaunee Development Institute
- Haudenosaunee Confederacy Chiefs Council
- Métis Nation of Ontario

- Ministry of Agriculture, Food, and Rural Affairs
- Ministry of Community Safety and Correctional Services
- Ministry of Municipal Affairs and Housing
- Ministry of Natural Resources and Forestry
- Ministry of the Environment, Conservation and Parks
- Ministry of Tourism, Culture and Sport
- Ministry of Transportation
- Grand River Conservation Authority

Federal Agencies:

- Fisheries and Oceans Canada
- Transport Canada
- Environment Canada

Municipalities and Local Government:

Provincial Agencies:

- Infrastructure Ontario

- Guelph Eramosa Township
- Puslinch Township

Reference: City of Guelph Water and Wastewater Servicing Master Plan (WWSMP) - Summary of Open House # 2

- Region of Waterloo
- Town of Milton
- Township of Centre Wellington
- Wellington-Dufferin-Guelph Health Unit
- Wellington County
- Exhibition Park Neighbourhood Group
- Fixed Gear Brewing Co.
- Gay Lea Foods
- GET Concerned
- Grange Hill East Neighbourhood Group

Utilities and Emergency Services:

- Bell Canada - Access Network Department
- Guelph Fire Department
- Guelph Hydro
- Guelph Police Service
- Guelph-Wellington EMS
- Hydro One
- Ontario Power Generation
- Rogers Cable
- University of Guelph
- Guelph & Guelph Eramosa Township Community Liaison Group
- Guelph Community Foundation
- Guelph and District Homebuilders' Association
- Guelph Wellington Developers' Association
- Guelph Youth Council
- Hanlon Creek Neighbourhood Group
- Linmar Corporation
- Mandarin Restaurant Guelph
- Maple Leaf Foods Inc.
- McNeil Consumer Healthcare

Individuals and Organizations:

- Brant Avenue Neighborhood Group
- Brothers Brewing Company
- Chamber of Commerce
- Clean Water Coalition
- Cutten Fields
- Dolime Quarry
- Nature Guelph
- Nestle Waters Canada
- North Riverside Neighbourhood Group
- North Riverside Neighbourhood Group
- Ontario Public Interest Research Group (OPIRG)
- Onward Willow Neighbourhood Group
- Our Lady of Lourdes School

Reference: City of Guelph Water and Wastewater Servicing Master Plan (WWSMP) - Summary of Open House # 2

- Parkwood Gardens Neighbourhood Group
 - Polycon Industries
 - Protect Our Moraine
 - Rickson Ridge Neighbourhood Group
 - Royal City Brewing Company
 - Saint George's Park Neighbourhood Group
 - Save our Water
 - Sleeman Breweries Ltd.
 - Springfield Golf & Country Club
 - St Joseph's Health Centre
 - The Council of Canadians
 - The Guelph Country Club
 - The Junction Neighbourhood Group
 - Two Rivers Neighbourhood Group
 - Victoria Park East Golf Club
 - Wellington Brewery
 - Wellington Water Watchers
 - Christian Farmers Federation of Ontario
 - Wellington Federation of Agriculture
 - Indigenous Healing & Wellness Program Wellington-Waterloo
- Elected Officials and Staff:
- MP Guelph
 - MPP Guelph
 - City of Guelph Staff
 - City of Guelph, Township of Guelph/Eramosa, Town of Erin, Town of Minto, Township of Centre Wellington, Township of Mapleton, Township of Puslinch, and Township of Wellington North elected officials
 - Planning and Building, Engineering and Environment Committee
 - Economic Development Advisory Committee
 - Water Conservation and Efficiency Public Advisory Committee
 - River Systems Advisory Committee
 - Environmental Advisory Committee

WHAT WE HEARD

Nine people attended the in-person Open House # 2 event at City Hall and four people joined the live virtual meeting via Microsoft Teams. Approximately 115 people visited the Open House webpage. One written comment was received from a member of the public and one from Wellington County.

Reference: City of Guelph Water and Wastewater Servicing Master Plan (WWSMP) - Summary of Open House # 2

Have Your Say Online Survey:

An online survey was included as part of Open House # 2. The purpose of the online survey was to gather input from stakeholders on refining the study goals and objectives and identified opportunities and constraints and obtain input on the proposed upgrades to the water and wastewater system.

One person submitted responses to the online survey. The individual commented on keeping the Innovation District a naturalized area, providing opportunity for flow diversion instead of decommissioning sewers, mandating or incentivizing retrofits to ICI, setting constraints to developers to encourage source management of sewage, and protecting critical stormwater mitigation provided by forests, riparian zones and other significant wetlands. The individual's responses to each survey question are appended to this memo.

NEXT STEPS:

Now that the second Open House has been completed, the City and study team will refine the recommended water and wastewater servicing strategies, the implementation plan and costing. The Master Plan will be documented in a Project File Report which will be made available for a public comment period. The report will document the problem/opportunity statement, the evaluation of alternative solutions and the preferred solutions, as well as public and agency consultation conducted during the study.

Stantec Consulting Ltd.



Nevena Gazibara B.Sc., MREM, ENV SP
Senior Environmental Planner, Transportation
Phone: 905 381 3249
Nevena.Gazibara@stantec.com

Attachment: Notice of Open House # 2, Open House # 2 Presentation, Have your Say Survey Results

- c. S. Ziemann- C3 Water
D. Eadie, M. Telmosse – Stantec Consulting Ltd.

NOTICE OF OPEN HOUSE #2



November 09, 2022

Water and Wastewater Servicing Master Plan

Notice of Public Open House – November 29, 2022

Join us in the evening on November 29 for the Water and Wastewater Servicing Master Plan (WWWMP) Public Open House #2.

How to participate

There are three ways to participate:

1. **Live in-person** – Drop in at City Hall to learn about the project, ask the project team questions, and provide feedback.

Time: 5:30 pm -7:30 p.m. (drop in, anytime)

Location: City Hall Room C, 1 Carden Street, Guelph, ON, N1H 3A1

2. **Live virtual** – You are welcome to drop in on Teams during the time slot above. There will be no formal presentation; however, the project team will be available to answer questions. We encourage you to review the materials posted on Have Your Say in advance. Here is the link to join: [November 29 Virtual Open House](#)
3. **On Have Your Say** – Visit the project's [Have Your Say page](#) to scroll through the display boards, ask questions, and leave comments on the virtual platform. The question / comment period will be live on November 29, 2022 and remain open until December 20, 2022.

About the project

The WWWWMP is being carried out according to the Municipal Engineers Association's Municipal Class Environmental Assessment (October 2000, as amended in 2007, 2011, & 2015), which is an approved Class of Environmental Assessment under the Environmental Assessment Act. The WWWWMP commenced in January 2020 and has studied alternative solutions for the City's existing water and wastewater distribution and collection system capacity constraints as well as required updates to infrastructure to support growth to 2051 as per the City's Shaping Guelph project. The purpose of the Public Open House will be to share work completed to date, present the preferred alternative servicing solutions, share information to support the capital implementation plan, answer questions, and





collect feedback.

Important information

Intent to collect information during virtual public open house: Feedback is being collected as part of stakeholder engagement and public input on the WWWMP, as well as to satisfy the requirements of the Environmental Assessment Act.

Any comments or questions submitted during the event or through Have Your Say may be published or shared and will be used to reflect overall feedback and help inform the study.

Personal information is collected under the authority of the Municipal Act, 2001, and in accordance with the provisions of the Municipal Freedom of Information and Protection of Privacy Act.

If you have questions about the collection, use and disclosure of this personal information, please contact the City's Information and Access Coordinator by phone at 519-822-1260 extension 2349 or email privacy@guelph.ca.

For more information

For more information, please visit <https://guelph.ca/plans-and-strategies/water-and-wastewater-servicing-master-plan/>

If you would like to speak to one of our project team members, if you have questions, comments, would like to be added to the project mailing list, or if you require this document to be provided in an alternative format as per the Accessibility for Ontarians with Disabilities Act (2005), please use the following contact information:

Colleen Gammie, P.Eng.

Infrastructure Planning Engineer

Design and Construction, Engineering and Transportation Services

519-822-1260 extension 2282

colleen.gammie@guelph.ca

Information will be collected in accordance with the Freedom of Information and Protection of Privacy Act. With the exception of personal information, all comments will become part of the public record.





City News

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[guelph.ca/news](https://www.guelph.ca/news)

Notices

Stormwater Management and Water and Wastewater Servicing Master Plans

Notice of in-person and virtual public open house
November 29

- Drop in to learn about the project:** Tuesday, November 29 any time between 5:30-7:30 p.m.
 - Live in person:** Join us at City Hall, 1 Carden street, meeting room B and C
 - Live virtually:** Join us virtually through the links posted on the Have Your Say pages (links below)

There is no formal presentation, just great conversation in person or virtually. Staff will be on hand to explain the project, answer your questions and discuss your thoughts and feedback. We encourage you to review the materials on haveyoursay.guelph.ca/storm-water-master-plan-update and haveyoursay.guelph.ca/water-and-waste-water-master-plan-update in advance.

- At your own pace On Have Your Say** - If you can't attend in person or online on November 29, please visit haveyoursay.guelph.ca/storm-water-master-plan-update and haveyoursay.guelph.ca/water-and-waste-water-master-plan-update to review the display boards and use the survey and Q&A features to leave comments and ask questions by December 20. Your feedback will be incorporated into the project outcomes.

The purpose of the public open house is to share work completed to date, present the preferred stormwater management solutions, share information to support the capital implementation plan, answer questions and collect feedback.

The Stormwater Management Master Plan looks at how the City is currently managing stormwater and guides how we will continue to do so over the next 25 years. It has studied subwatershed health, erosion sites, the minor and major conveyance network, existing and new end-of-pipe treatment facilities and provided criteria and policy direction based on new Provincial legislation – all to support the City's growth to 2051.

The Water and Wastewater Servicing Master Plan began in January 2020 and has studied alternative solutions for the City's existing water and wastewater distribution and collection system capacity constraints as well as required updates to infrastructure to support growth to 2051 as per the City's Shaping Guelph project.

Both plans are being carried out according to the Municipal Engineers Association's Municipal Class Environmental Assessment (October 2000, as amended in 2007, 2011 and 2015), which is an approved Class of Environmental Assessment under the Environmental Assessment Act.

Intent to collect information during virtual public open house: Feedback is being collected as part of community engagement and public input on the SWMMP, as well as to satisfy the requirements of the Environmental Assessment Act. Any comments or questions submitted during the event or through Have Your Say may be published or shared and will be used to reflect overall feedback and help inform the study. Personal information is collected under the authority of the Municipal Act, 2001, and in accordance with the provisions of the Municipal Freedom of Information and Protection of Privacy Act.

If you have questions about the collection, use and disclosure of this personal information, please contact the City's Information and Access Coordinator by phone at 519-822-1260 extension 2349 or email privacy@guelph.ca.

For more information

Colleen Gammie, Infrastructure Planning Engineer
Engineering and Transportation Services
City of Guelph
519-822-1260 extension 2282
colleen.gammie@guelph.ca

Information will be collected in accordance with the Freedom of Information and Protection of Privacy Act. With the exception of personal information, all comments will become part of the public record.

(This notice first issued November 17, 2022)

Register for winter recreation programs starting December 7

On Wednesday, December 7 at 7:30 a.m., you can register for winter recreation programs including swimming, sports and leisure activities. All program schedules are now available online at recenroll.ca.

Register in three easy ways:

- Login to recenroll.ca
- Call 519-837-5699
- Visit West End Community Centre, Victoria Road Recreation Centre or Evergreen Seniors Community Centre

For more information

recreation@guelph.ca
519-837-5699

Accessible winter maintenance for people with a disability

Get in touch with us to report an accessibility concern caused by snow or ice build up in areas such as:

- Accessible on-street parking spaces
- Crosswalk buttons
- Sidewalk ramps
- Guelph Transit bus stops

Call 519-837-5648, for after-hours Bell Relay or TTY 519-826-9771, or email operations@guelph.ca. If your situation is an emergency, please call 911.

For more information visit [guelph.ca/snow](https://www.guelph.ca/snow)

Accessible formats available by calling **519-822-1260** or TTY **519-826-9771**



City News

[f/cityofguelph](https://www.facebook.com/cityofguelph)

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[guelph.ca/news](https://www.guelph.ca/news)

Notices

Moving Guelph Forward – City of Guelph Transportation Master Plan

Notice of Study Completion

Notice date: December 1, 2022

The City of Guelph has prepared a Transportation Master Plan (TMP) update that lays out how residents and visitors will move through the city over the next three decades. The TMP is a long-range strategic plan that directs how Guelph's future transportation system will be built and operated. It establishes policies and programs to guide the delivery of transportation infrastructure and services.

The TMP was conducted as a Master Plan project in accordance with Approach 1 of the "Municipal Class Environmental Assessment" document (Municipal Engineers Association, October 2000, as amended in 2007, 2011 and 2015), under the Ontario Environmental Assessment Act. The engagement, technical analysis and background review satisfies Phases 1 and 2 of a class EA study.

The TMP evaluated four alternative network solutions. Based on the study findings and input from technical agencies, stakeholders, and the public, the preferred solution is Alternative 3 which has a sustainability and resiliency focus. The recommended network can be seen in **Figure 1**.

The preferred solution is strongly aligned with sustainability values and goals. It is also aligned with the safety, equity, land use plans and future resiliency of the city. This option offers better opportunities in the future to adapt to unknowns. The Pedestrian Priority, Cycling Spine, Quality Transit and Resilience Networks will be implemented in Alternative 3. It also partially implements the Goods Movement Priority Network. The Preferred Solution helps manage congestion for people who drive by encouraging more people to travel by non-car modes and by optimizing the vehicular road network. The TMP supports improvements to the safety and environment of all travelers, particularly the more vulnerable road users - people walking, cycling and using transit.

While the Master Plan addresses need and justification at a broad level, more detailed studies for each of the projects included in the Master Plan will be done at a later date in accordance with the Municipal Class Environmental Assessment (EA). Schedule C projects will follow Phases 3 and 4 for each project at a later date. The list of projects and their Class Schedules is available in Table 3 (page 150) of the final report at [guelph.ca/tmp](https://www.guelph.ca/tmp).

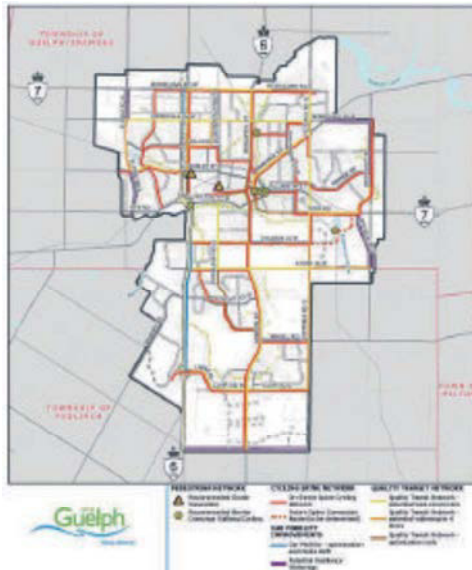
How to provide comments

The TMP and supporting documents are available for review at [guelph.ca/plans-and-strategies/transportation-master-plan/tmp-documents](https://www.guelph.ca/plans-and-strategies/transportation-master-plan/tmp-documents) or in person at the following locations:

City Hall
1 Carden Street, Guelph, ON N1H 3A1
Monday to Friday between 8:30 a.m. to 4:30 p.m.
519-837-5604
engineering@guelph.ca

Interested persons may provide written comments to the project team email transportation@guelph.ca by December 31, 2022 (30

Figure 1 – 2022 Transportation Master Plan Recommended Network



days after the date on this notice). You can also contact the following project team member:

Jennifer Juste, Manager Transportation Planning
Engineering and Transportation Services
City of Guelph
519-822-1260 extension 2791
jennifer.juste@guelph.ca

In addition, a request may be made to the Ministry of the Environment, Conservation and Parks for an order requiring a higher level of study (i.e. requiring an individual/comprehensive EA approval before being able to proceed), or that conditions be imposed (e.g. require further studies), only on the grounds that the requested order may prevent, mitigate or remedy adverse impacts on constitutionally protected Aboriginal and treaty rights. Requests on other grounds will not be considered. Requests should include the requester contact information and full name for the ministry.

Requests should specify what kind of order is being requested (request for additional conditions or a request for an individual/comprehensive environmental assessment), how an order may

prevent, mitigate or remedy those potential adverse impacts, and any information in support of the statements in the request. This will ensure that the ministry is able to efficiently begin reviewing the request.

The request should be sent in writing or by email to:

Minister of the Environment, Conservation and Parks
Ministry of Environment, Conservation and Parks
777 Bay Street, 5th Floor
Toronto, ON M7A 2J3
minister.mecp@ontario.ca

and

Director, Environmental Assessment Branch
Ministry of Environment, Conservation and Parks
135 St. Clair Ave. West, 1st Floor
Toronto, ON M4V 1P5
EABDirector@ontario.ca

Requests should also be sent to the project team member by mail or by email.

This Notice is issued on **December 1, 2022**.

Information will be collected in accordance with the Municipal Freedom of Information and Protection of Privacy Act. With the exception of personal information, all comments will become part of the public record.

Sign By-law variance

The City received applications for variances from the City of Guelph Sign By-law Number (2021)-20621, as amended. The request for variances is for the following property: 158 Clair Road East.

Request

To permit one electronic drive-through pre-sell menu board sign and two electronic drive-thru menu-board signs at Tim Horton's, which all have a distance less than 30 metres and are visible to the adjacent residentially zoned property line (98 Farley Drive).

How to participate

Reports relating to these applications will be available online on Thursday, November 24, 2022 at [guelph.ca](https://www.guelph.ca). For questions about these applications please email building@guelph.ca. These variance applications will be addressed at the Council Planning meeting at 6:30 p.m. on December 6, 2022. This is both an in person and a remote Council meeting that can be watched online at [guelph.ca/live](https://www.guelph.ca/live). If you wish to speak about these applications or provide a written submission, please register online at [guelph.ca/delegate](https://www.guelph.ca/delegate) using the "Request to speak at a meeting" online form, email clerks@guelph.ca, or call the City Clerk's office at 519-837-5603 (TTY 519-826-9771) by Friday, December 2, 2022 at 10 a.m.

Notices

Stuff an emergency vehicle this weekend with pounds of food

Looking for a way to give back to your community this holiday season? Help off-duty police, paramedics and firefighters stuff an emergency vehicle this Saturday, December 3.

The eleventh annual Stuff an Emergency Vehicle event takes place from 9 a.m. to 3 p.m. at the Guelph Zehrs located at 1045 Paisley Road.

We're collecting non-perishable food and cash donations in support of the Guelph Food Bank. Together, let's see how many police cars, ambulances and fire trucks we can stuff!

Register for winter recreation programs starting December 7

On Wednesday, December 7 at 7:30 a.m., you can register for winter recreation programs including swimming, sports and leisure activities. All program schedules are now available online at recenroll.ca. Register in three easy ways:

- Login to recenroll.ca
- Call 519-837-5699
- Visit West End Community Centre, Victoria Road Recreation Centre or Evergreen Seniors Community Centre

For more information

recreation@guelph.ca
519-837-5699

Have your say haveyoursay.guelph.ca

Current engagement opportunities

Short-term rental business licencing

Closes December 11

We're looking for community feedback on adding regulations for short-term rentals to the existing Business Licence Bylaw.

Requiring short-term rental (rented less than 30 days) operators to acquire a licence would standardize and regulate how these rentals operate and may include required fire inspections, public health inspections and mandated insurance limits. Regulations could also help identify acceptable locations and building types for short-term rentals. Staff will bring recommended licence fees to Council for approval.

You can participate by filling out a survey at haveyoursay.guelph.ca, attending an open house or calling us during open office hours to ask questions or get more information.

For more information

Scott Green, Manager
Corporate and Community Safety, Operations
City of Guelph
519-822-1260 extension 3475
scott.green@guelph.ca

Stormwater Management and Water and Wastewater Servicing Master Plans

Closes December 20

The Stormwater Management Master Plan looks at how the City is currently managing stormwater and guides how we will continue to do so over the next 25 years. It has studied subwatershed health, erosion sites, the minor and major conveyance network, existing and new end-of-pipe treatment facilities and provided criteria and policy direction based on new Provincial legislation – all to support the City's growth to 2051.

The Water and Wastewater Servicing Master Plan began in January 2020 and has studied alternative solutions for the City's existing water and wastewater distribution and collection system capacity constraints as well as required updates to infrastructure to support growth to 2051 as per the City's Shaping Guelph project.

Visit haveyoursay.guelph.ca/storm-water-master-plan-update and haveyoursay.guelph.ca/water-and-waste-water-master-plan-update to scroll through the display boards, ask questions and leave comments on the virtual platform

Events

Mayor's Tree Lighting

Saturday, December 3 from 5:45-6:30 p.m.

Market Square, 1 Carden Street, Guelph

Mayor Cam Guthrie will light Guelph's holiday tree in Market Square this Saturday. The official tree lighting will take place at 6:15 p.m. Join us for a free, family-friendly, holiday event!

The tree lighting celebration features a live performance by Verese Vassell-Bowen. In the spirit of the holidays, the United Way Guelph Wellington Dufferin will have their Everyday Heroes on-site selling 50/50 tickets and will also be collecting monetary donations at the event.

Get more information and see all our upcoming events at guelph.ca/events.

COMMUNITY



Jessica Lovell/Metroland

Guelph General Hospital (GGH) needs nurses, and has scheduled a virtual job fair in December to help with the recruitment process.

**WHO'S HIRING?
GUELPH GENERAL
HOSTS VIRTUAL
JOB FAIR**

Guelph General Hospital (GGH) needs nurses, and has scheduled a virtual job fair in December to help with the recruitment process.

"The demand for nurses is high everywhere, so we feel it is important to make the opportunity to apply and interview for our positions as easy as possible," GGH human resources director Geoff Wood said in a news release. "Active recruitment strategies such as virtual job fairs are a convenient way for the hospital to meet the applicants and share why we believe GGH is a great place to work."

Thinking of applying? Here's what you need to know:

WHEN IS THE JOB FAIR?

The job fair takes place on Tuesday, Dec. 6, from 9:30 a.m. to 4:30 p.m.

Candidates can preregister online at www.gghorg.ca/registration-for-virtual-job-fair.

WHAT POSITIONS ARE AVAILABLE?

This event is all about nurses. The hospital is looking to hire part-time and full-time registered nurses and registered practical nurses.

A COUPLE OF OTHER USEFUL DETAILS

Hospital employees are required to have a criminal reference and vulnerable sector check.

It is also a condition of employment at Guelph General Hospital that all employees be fully vaccinated. Proof of vaccination must be submitted prior to your start date.



City News

[f/cityofguelph](https://www.facebook.com/cityofguelph)
[@cityofguelph](https://twitter.com/cityofguelph)
[guelph.ca/news](https://www.guelph.ca/news)

Notices

Holiday hours

December 26 and 27, 2022 and January 2, 2023

City facilities will close December 26, 27 and January 2 for statutory holidays.

City Hall will be open December 28, 29 and 30 to serve you in person, by email and by phone. Other City facilities, services and programs will operate on reduced holiday hours. Details available at [guelph.ca/holidayhours](https://www.guelph.ca/holidayhours)

Have your say haveyoursay.guelph.ca

We want to hear from you

Help us make Guelph the most engaged community in Canada.

We're looking for diverse voices to help shape the next generation of our Community Engagement Policy and Framework. You can help make our process better in two steps.

Step 1, choose any time from the list below:

- Tuesday, December 6, 7-9 p.m.
- Wednesday, December 7, 9-11 a.m.

Step 2, call us at 519-822-1260 extension 3979, TTY at 519-826-9771 or text 226-821-2132 to speak with a member of our Community Engagement team.

Alternatively, you can leave us your ideas using any of the following features on haveyoursay.guelph.ca

- Share thoughts and ideas in the forum
- Ask a question
- Or take our quick poll

There will be additional virtual and in-person engagement opportunities for this project coming soon.

For more information

Glen Lombard, Manager, Community Engagement
City of Guelph
519-822-1260 extension 3957
glen.lombard@guelph.ca

Current engagement opportunities

Short-term rental business licencing

Closes December 11

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Requiring short-term rental (rented less than 30 days) operators to acquire a licence would standardize and regulate how these rentals operate and may include required fire inspections, public health inspections and mandated insurance limits. Regulations could also help identify acceptable locations and building types for short-term rentals.

Staff will bring recommended licence fees to Council for approval.

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For more information

Scott Green, Manager, Corporate and Community Safety
City of Guelph
519-822-1260 extension 3475
scott.green@guelph.ca

New playgrounds coming to a park near you

Visit haveyoursay.guelph.ca before December 15

We're replacing three playgrounds in 2023:

- Dovercliffe Park, 38 Dovercliffe Road
- Howitt Park, 81 Beechwood Avenue
- University Village Park, 93 Ironwood Road

We want you to tell us:

- What kind of equipment you would like to see
- What you like about the existing playground
- If there are any specific accessibility features you would like us to include

Engagement is open from November 29 to December 15.

We will share two final designs options for each playground and invite you to vote on which one you like best.

For more information

Stefan Ilic, Landscape Technologist
Park and Trail Development
City of Guelph
519-822-1260 extension 3349
stefan.ilic@guelph.ca

Stormwater Management and Water and Wastewater Servicing Master Plans

Closes December 20

The Stormwater Management Master Plan looks at how the City is currently managing stormwater and guides how we will continue to do so over the next 25 years. It has studied subwatershed health, erosion sites, the minor and major conveyance network, existing and new end-of-pipe treatment facilities and provided criteria and policy direction based on new Provincial legislation – all to support the City's growth to 2051.

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Visit haveyoursay.guelph.ca/storm-water-master-plan-update and haveyoursay.guelph.ca/water-and-waste-water-master-plan-update to scroll through the display boards, ask questions, and leave comments on the virtual platform.

Fees for single-use beverage cups and reusable bags

Closes January 3

One of the recommendations of the Solid Waste Management Master Plan is to develop a strategy to reduce single-use item waste.

We're proposing fees for single-use disposable cups and reusable bags, to help minimize the number of cups and bags that end up in the landfill and to ensure that reusable bags are reused as intended. Specifically:

- a fee of at least \$1 for reusable bags in 2024 (the first year) with a fee increase each year after; and
- a fee of at least \$0.25 for disposable cups which will be shown on menus and receipts.

Visit haveyoursay.guelph.ca/waste-reduction-strategies to learn more and tell us what you think about these proposed fees for single-use beverage cups and reusable bags.

Accessible formats available by calling **519-822-1260** or TTY **519-826-9771**



City News

[f/cityofguelph](https://www.facebook.com/cityofguelph)
[@cityofguelph](https://twitter.com/cityofguelph)
[guelph.ca/news](https://www.guelph.ca/news)

Notices

Sparkles in the Park returns at Riverside Park

Festive light displays, carousel rides and more

The Rotary Club of Guelph is once again hosting its annual Sparkles in the Park event, held at Riverside Park, from December 17 to 31.

Events include:

- Festive light displays open nightly from 5:30 to 9:30 p.m.
- Free Carousel rides on December 23 to 26 and December 30 from 6 to 8 p.m. and December 31 from 5:30 to 9 p.m.
- Fireworks on New Year's Eve

You can choose to walk or drive through Riverside Park for this fun, family-friendly holiday event.

For more information
[sparklesinthepark.ca](https://www.guelph.ca/sparklesinthepark.ca)

Holiday hours

December 26 and 27, 2022 and January 2, 2023

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City Hall will be open December 28, 29 and 30 to serve you in person, by email and by phone. Other City facilities, services and programs will operate on reduced holiday hours. Details available at [guelph.ca/holidayhours](https://www.guelph.ca/holidayhours).

Notice of passed bylaw amendments

Guelph City Council passed the following bylaw amendments on December 6, 2022:

- Bylaws (2022) – 20755 and (2022) – 20756 about 265 Edinburgh Road North. For more information about the bylaw amendments, visit [guelph.ca/2020/12/265-edinburgh-road-north/](https://www.guelph.ca/2020/12/265-edinburgh-road-north/)
- Bylaws (2022) – 20759 and (2022) – 20760 about 639 Eramosa Road. For more information about the bylaw amendments, visit [guelph.ca/2022/08/639-eramosa-road](https://www.guelph.ca/2022/08/639-eramosa-road)

For more information about any of the above, contact Planning Services at 519-837-5616 or planning@guelph.ca. If you would like to appeal any of the bylaws above or the refused amendment, you must file a Notice of Appeal with the City Clerk before 4 p.m. on January 3, 2023, by contacting the Clerk's Office at 519-837-5603 or clerks@guelph.ca.

Have your say [haveyoursay.guelph.ca](https://www.haveyoursay.guelph.ca)

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For more information

Stefan Ilic, Landscape Technologist
 Park and Trail Development
 City of Guelph
 519-822-1260 extension 3349
stefan.ilic@guelph.ca

Silvercreek Parkway North improvements

Closes Spring 2023

We're upgrading Silvercreek Parkway North with new sanitary sewers and watermain pipes, new curbs, multi-use paths: and raised bus stops. The Guelph Junction Railway crossings will also be upgraded to improve safety. Visit [haveyoursay.guelph.ca/silvercreek-parkway-north](https://www.haveyoursay.guelph.ca/silvercreek-parkway-north) to learn about the project and ask questions.

Stormwater Management and Water and Wastewater Servicing Master Plans

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General information

Practice fire safety this holiday season

Enjoy a fire-safe holiday season by following these tips

While fire can happen at any time, it most often strikes when we let our guard down – when we're distracted by the hustle and bustle of the holidays, by our cellphones, by the kids or by the doorbell.

This holiday season, practice fire safety by following these tips:

- Always stay in the kitchen when something is cooking on the stove; never leave a cooking pot unattended.
- Place lit candles away from anything that can burn and out of the reach of children and pets where they can't be knocked over. Remember to snuff out candles before leaving the room or going to bed. Consider using battery-operated or electric flameless candles.

- Make sure the base of real trees is always immersed in water to prevent them from getting too dry.
- Check all sets of decorative lights before putting them up, and discard any sets that are damaged.
- Develop and practice a home fire escape plan, so everyone in your home knows what to do if the smoke or CO alarms sound.

For more information
 Fire Prevention Bureau
 Guelph Fire Department
 519-763-8111
fireprevention@guelph.ca
[guelph.ca/fire](https://www.guelph.ca/fire)

Accessible formats available by calling **519-822-1260** or TTY **519-826-9771**



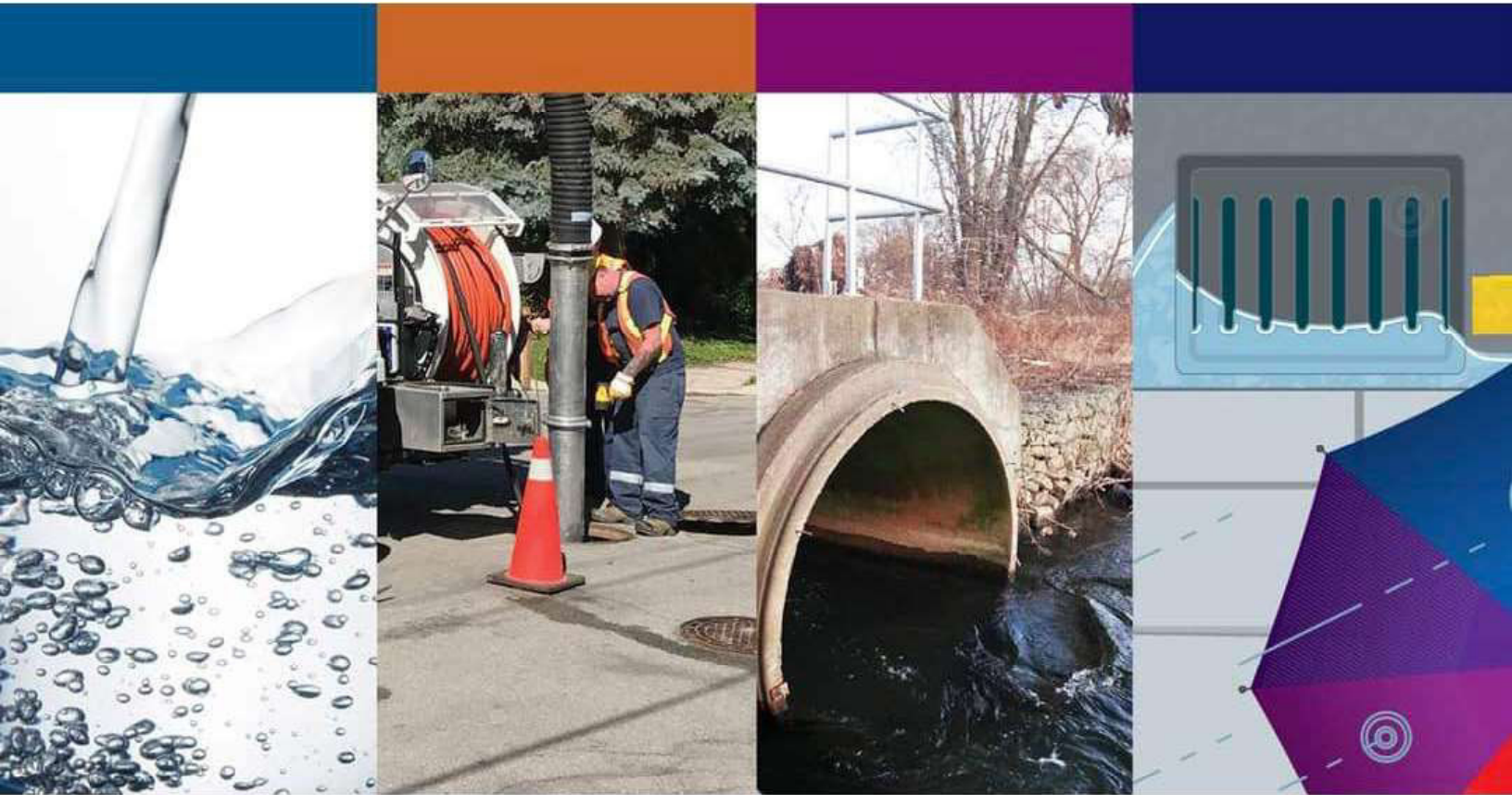
The City of Guelph

Dec 14, 2022 · 




Our plan to manage water and wastewater requires updates to support growth through to 2051. We've developed a management plan based on your feedback. Share your comments with us until Dec. 20

<https://www.haveyoursay.guelph.ca/water-and-waste-water-master-plan-update>



 Like

 Comment

 Share

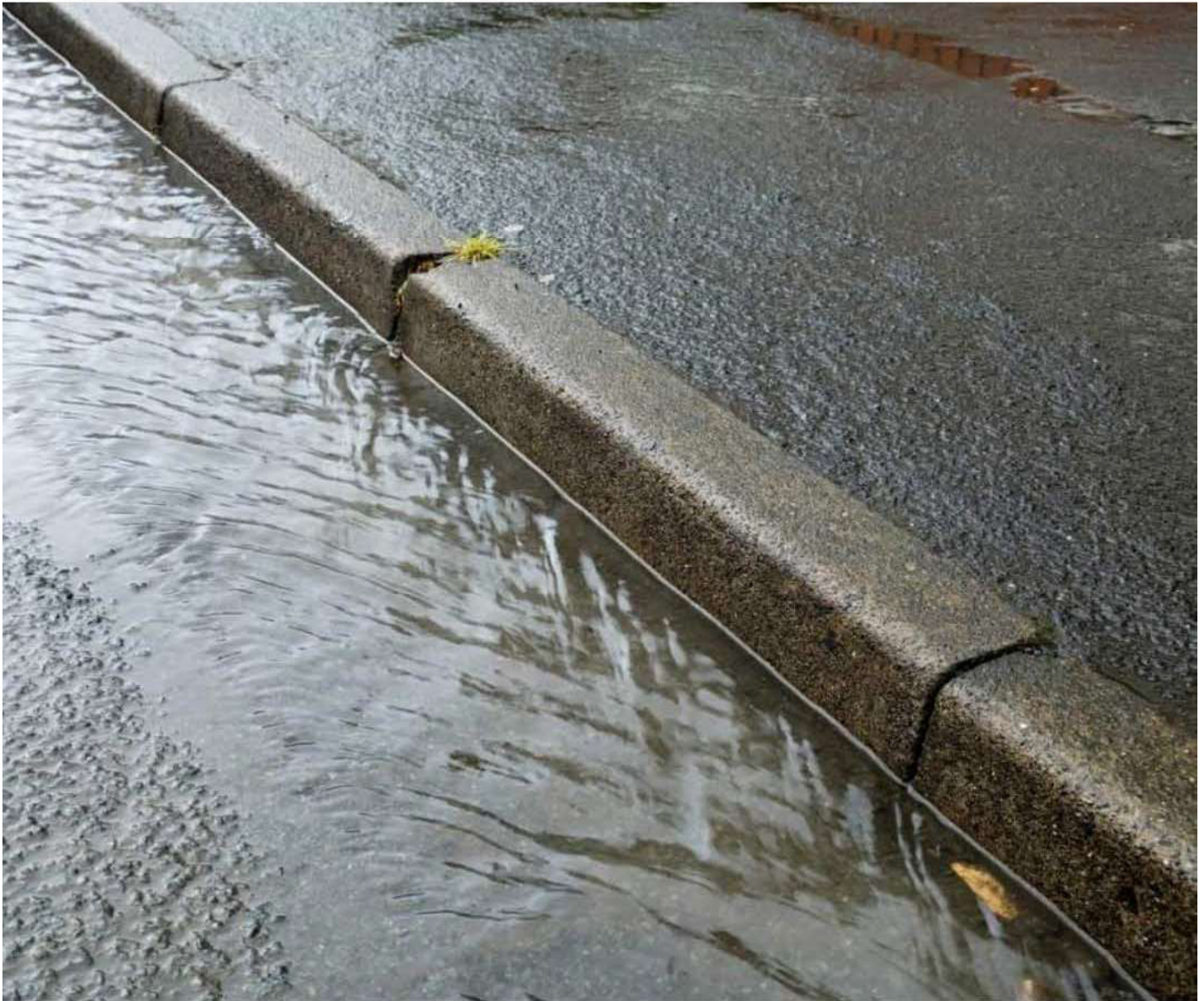


The City of Guelph



Dec 8, 2022 · 🌐

Your input helped us develop a plan to manage stormwater to be a future-ready #Guelph. Did we hear you? Have we captured your feedback? We're receiving comments until Dec. 20 at <https://www.haveyoursay.guelph.ca/storm-water-master-plan-update>



 3

8 comments

 Like

 Comment

 Share



The City of Guelph



Dec 3, 2022 · 🌐

To be future-ready, we need to upgrade our water and wastewater underground utilities. Our plan is based on your input. Provide feedback until Dec. 20. here:

<https://www.haveyoursay.guelph.ca/water-and-waste-water-master-plan-update>



4 comments · 2 shares



Like



Comment



Share

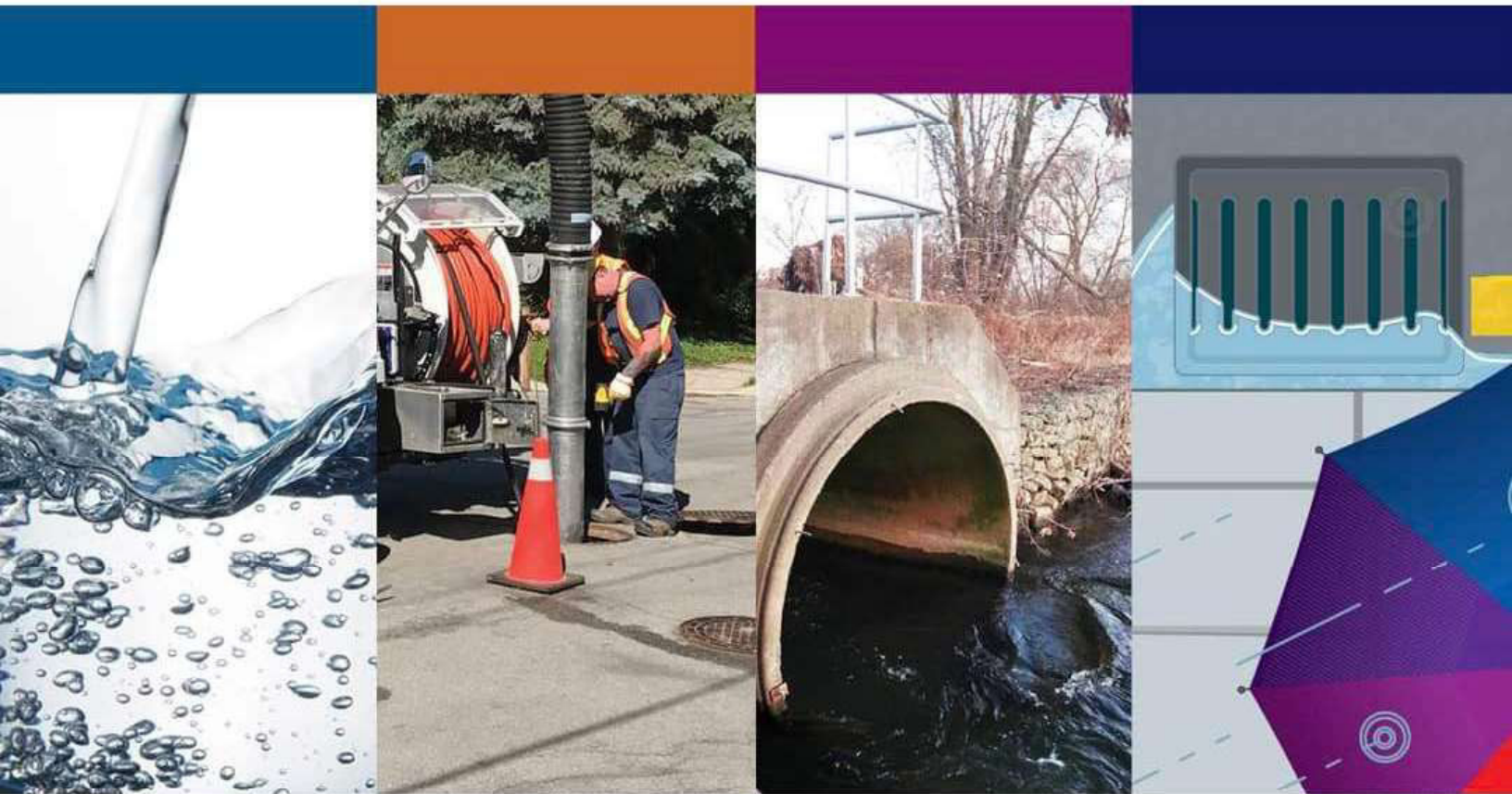


The City of Guelph

Nov 27, 2022 · 🌐



Our plan to manage water and wastewater requires updates to support growth through to 2051. We've developed a management plan based on your feedback – on Nov. 29, tell us what you think! Visit [haveyoursay.guelph.ca](https://www.haveyoursay.guelph.ca) for details. Visit <https://www.haveyoursay.guelph.ca/water-and-waste-water-master-plan-update>



 Like

 Comment

 Share



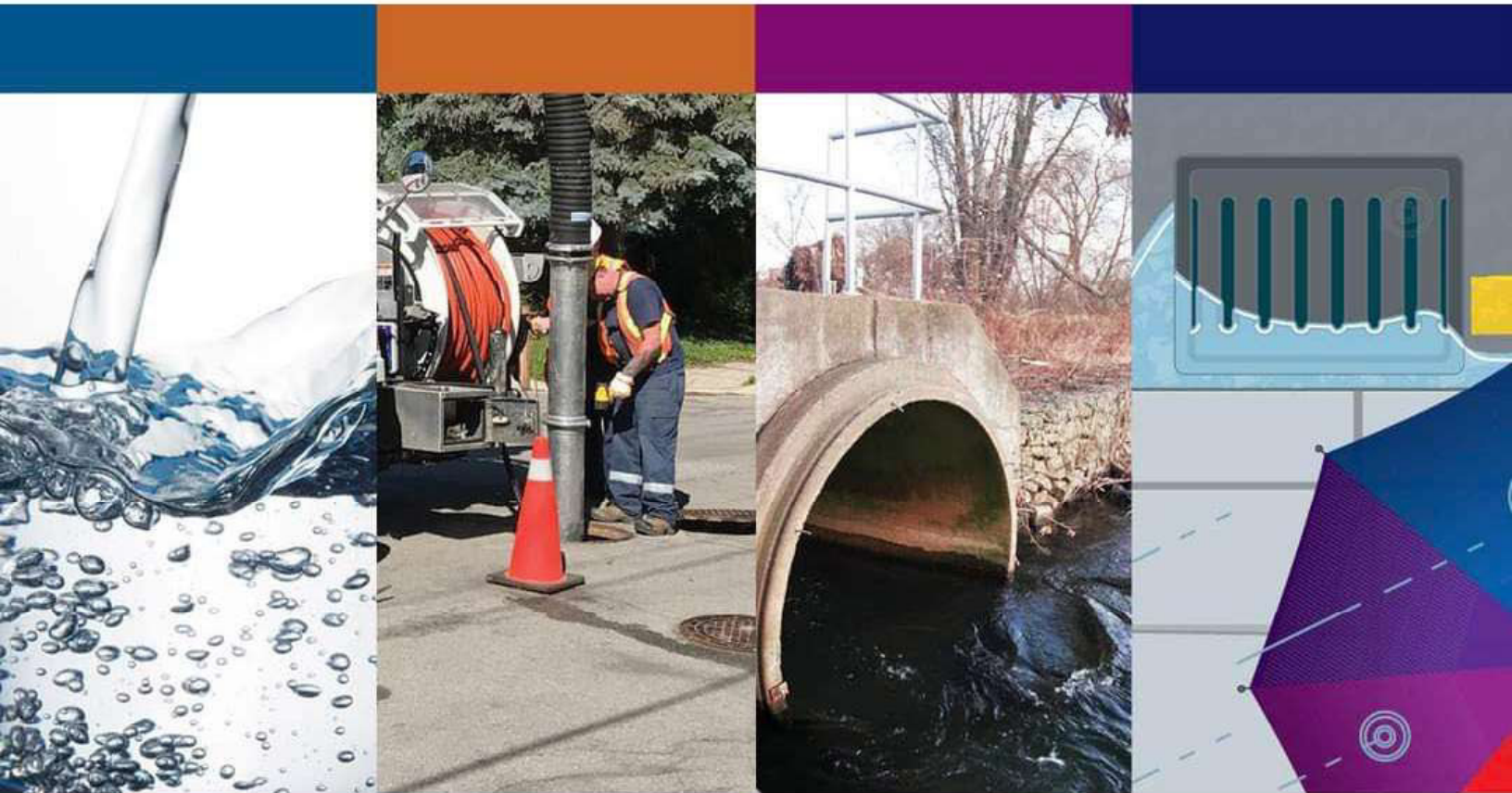
The City of Guelph

Nov 24, 2022 · 🌐




Hey #Guelph! We manage stormwater, water and wastewater and need your input to make sure our proposed management plans will support our community now and into the future. Join us in person or online Nov. 29 to have your say!

<https://guelph.ca/2022/11/public-notice-stormwater-management-and-water-and-wastewater-servicing-master-plans/>



 Like

 Comment

 Share

OPEN HOUSE #2 PRESENTATION



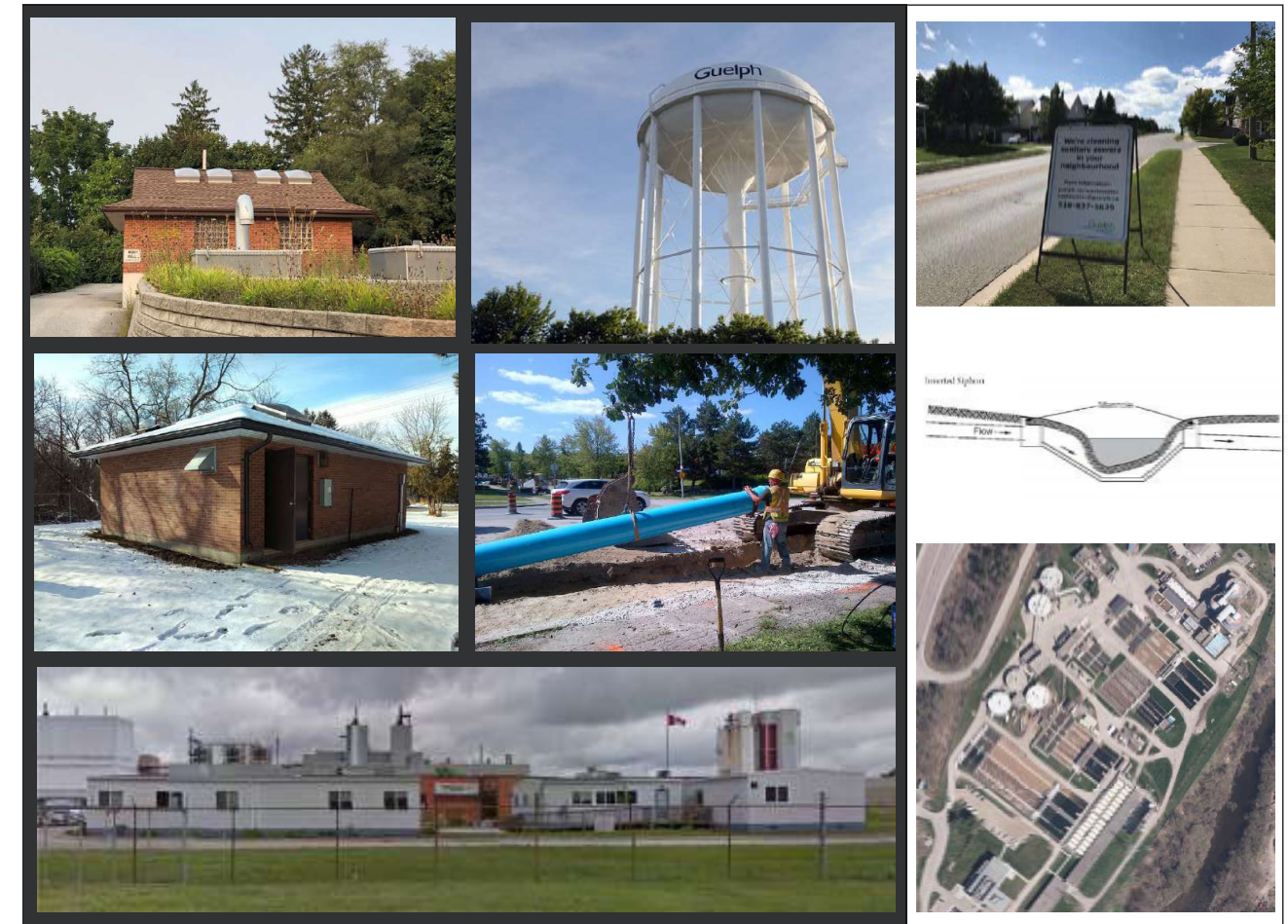
Open House #2

The **purpose** of this open house is to share information and gather **your feedback** on:

- Project background and study process
- Opportunities and constraints
- Evaluation criteria and evaluation of water and wastewater servicing alternatives
- Proposed water strategies and upgrades
- Proposed wastewater strategies and upgrades
- Implementation strategies and costs
- Next steps

What is **water** and **wastewater servicing**?

This is how the City builds and maintains the systems that deliver your drinking water and take away what you flush.





Water and Wastewater Servicing Master Plan

Project Overview and Objectives



Problem and opportunity statement:

It's been over 10 years since the 2008 WWSMP was completed. This update will identify servicing requirements for existing service areas and growth areas to 2051+. The Water and Wastewater Servicing Master Plan will also:

- Consider the impact of population and employment growth beyond 2051.
- Further the City's focus to become a Smart City.
- Consider the use of innovative technologies for improved water and wastewater level of service.



This master plan update defines and prioritizes water and wastewater infrastructure projects to support the growing Guelph community to 2051+.



The study considers required capacity constraints within the systems, potential technological advances, changes to legislation and opportunities to improve efficiency.



Alternative strategies and solutions are evaluated and prioritized to develop the master plan.





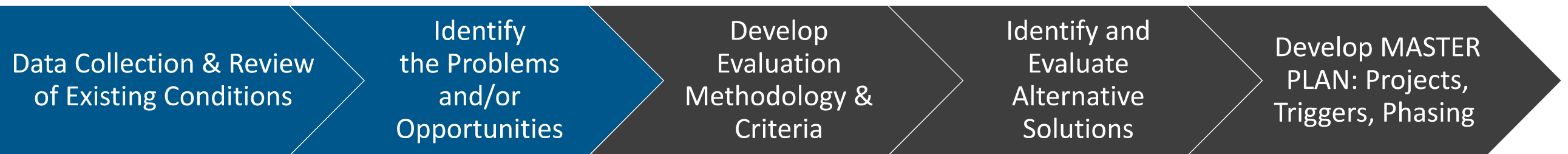
Water and Wastewater Servicing Master Plan Municipal Class EA Process and Consultation



This study is being undertaken in accordance with the **master planning process**, as outlined in Appendix 4 of the Municipal Class Environmental Assessment (MCEA) document (2015, as amended). The study will generally address Phases 1 and 2 of the MCEA process. Phase 1 of the process includes gathering information and identifying problems and opportunities. Phase 2 of the process includes identifying and evaluating alternative solutions, identifying a preferred set of solutions and developing an implementation strategy. This project is currently in Phase 2.

PHASE 1- Problems & Opportunities

PHASE 2- Alternative Solutions



October 2020
Virtual Public Open House



November 2022
Open House #2



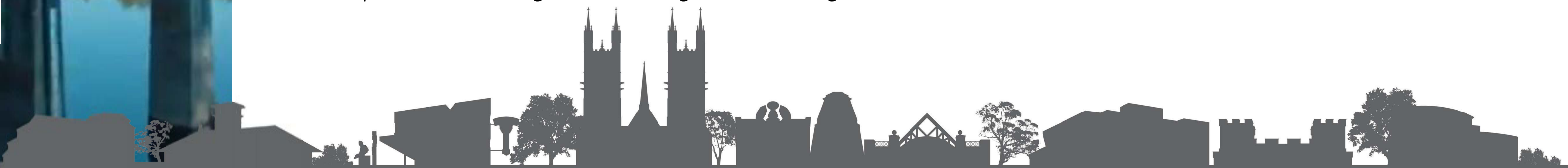
We are here.

Summary of Phase 1 Feedback

159 visitors to Open House Webpage

26 completed the online survey

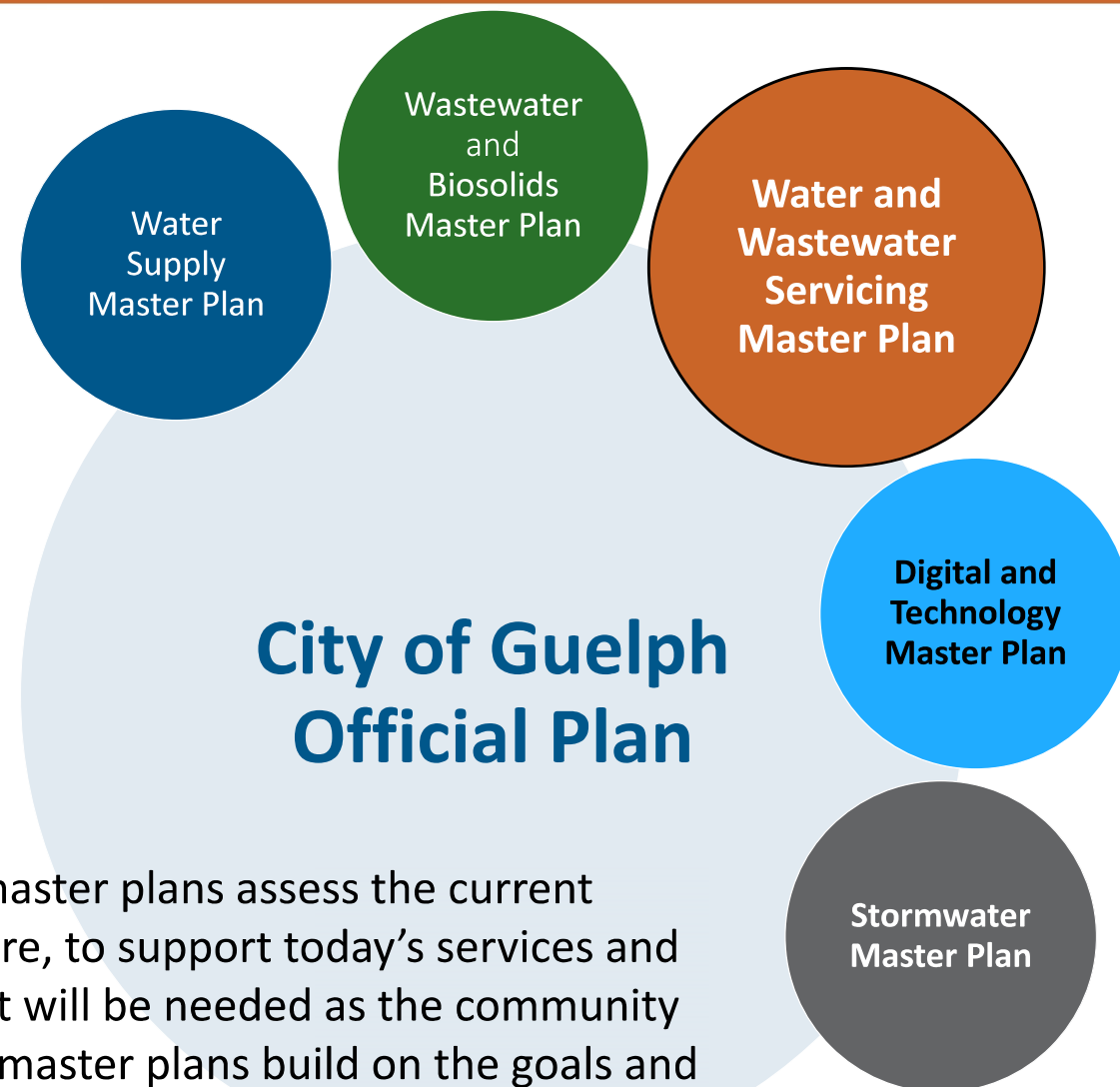
- Majority noted moderately strong to strong water pressure
- Majority noted disruption to water services NEVER or 1-2 times per year
- Mixed interest in smart water meter implementation 11 (yes), 8 (no), 7 (don't know)
- Majority noted no sewer backups (not attributed to household plumbing/draining)
- Three respondents noted single sewer blockage due to freezing





Water and Wastewater Servicing Master Plan

Master Plan Strategy and Integrated Approach



The City's master plans assess the current infrastructure, to support today's services and decide what will be needed as the community grows. The master plans build on the goals and policies from the **Official Plan** to integrate existing and future land use plans and define long-term objectives. Looking at the city as a whole helps to evaluate options, consider a variety of perspectives, understand different outcomes, and make better decisions for a future ready Guelph.

Related Recent and Ongoing Plans, Projects and Studies

Water and Wastewater

- Clair-Maltby Secondary Plan
- Innovation District Secondary Plan
- Downtown Servicing Study

Wastewater

- Clair-Gordon Servicing Study
- York Trunk Project
- On-going Flow Monitoring Program
- Inflow and Infiltration Program

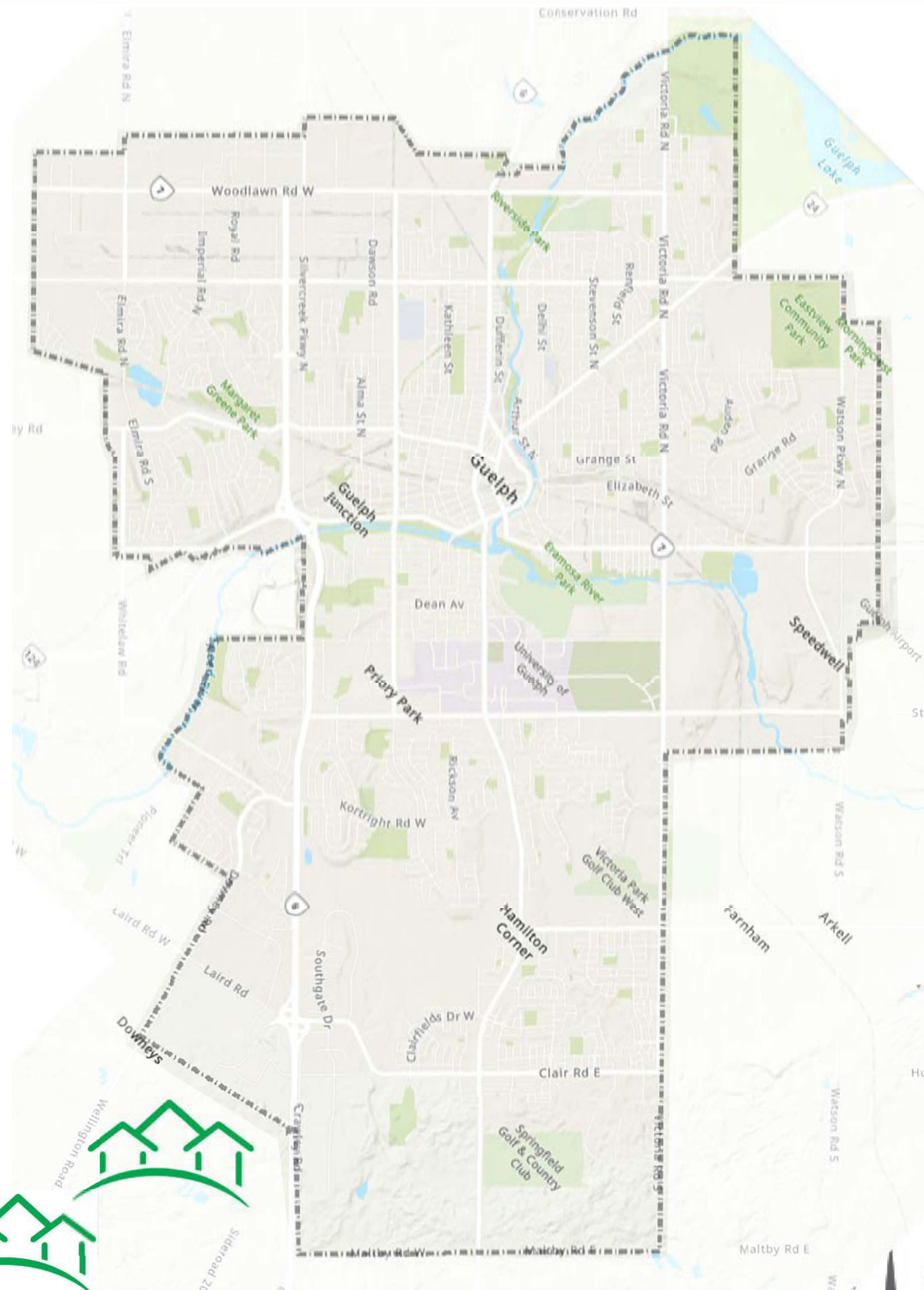
Water

- Arkell Aqueduct Redundancy and Resiliency Study
- Wellington-Clair Feedermain Class Environmental Assessment
- Zone 2 Storage Environmental Assessment
- Clythe Water Treatment Plant and Booster Pumping Station Upgrades
- Robertson Booster Pumping Station Environmental Assessment
- Paisley Pumping Station Upgrades
- F.M. Woods Upgrades

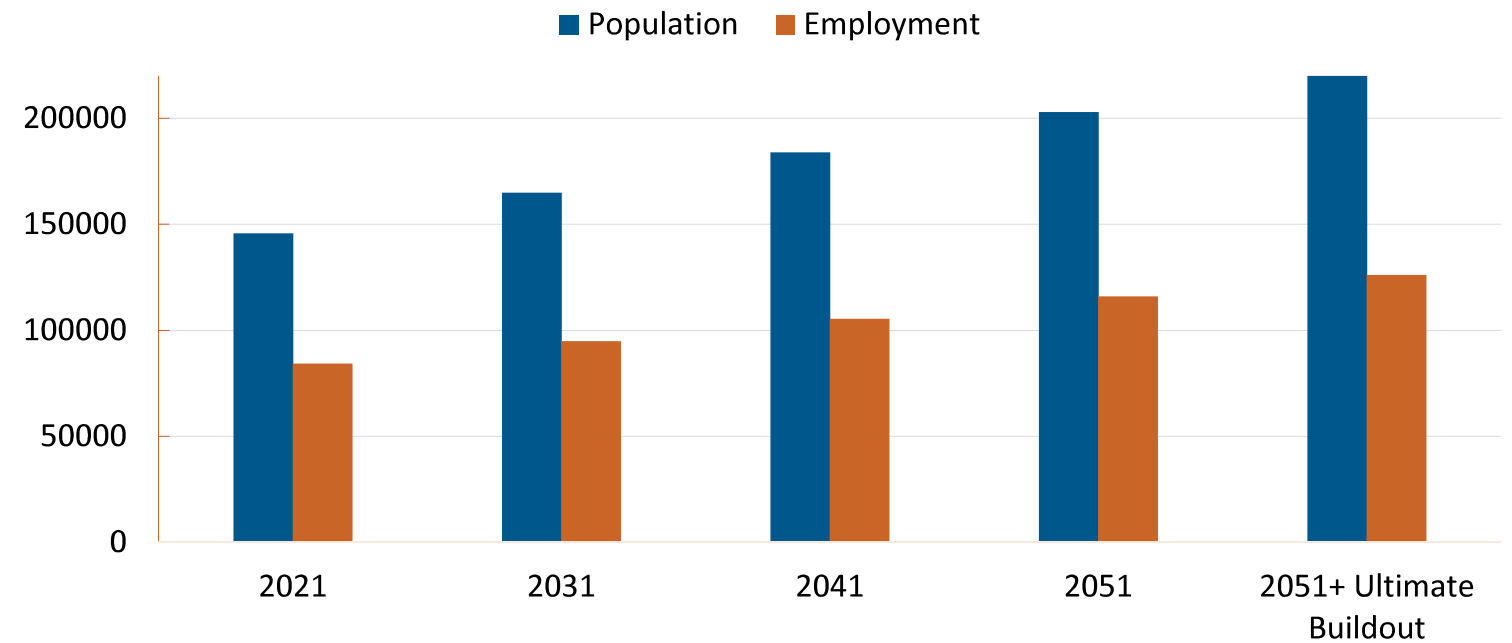


Water and Wastewater Servicing Master Plan

Study Area and Planning Projections



This is how Guelph is growing...



The City of Guelph has projected the maximum allowable growth that could be supported in each of the **strategic growth areas** to create a **2051+ population distribution** for the purpose of this study. The scenario includes **239,770 people** and **126,198 jobs**. This **2051+ ultimate build out** was established by applying the maximum densities across land uses for strategic growth areas and incorporating established populations for greenfield development (i.e. Clair-Maltby). This **maximum growth scenario** was used for the servicing master plan to evaluate the largest impact on water and wastewater linear infrastructure.





Water and Wastewater Servicing Master Plan

Evaluation Criteria and Alternative Solutions



1. Develop alternative strategies.

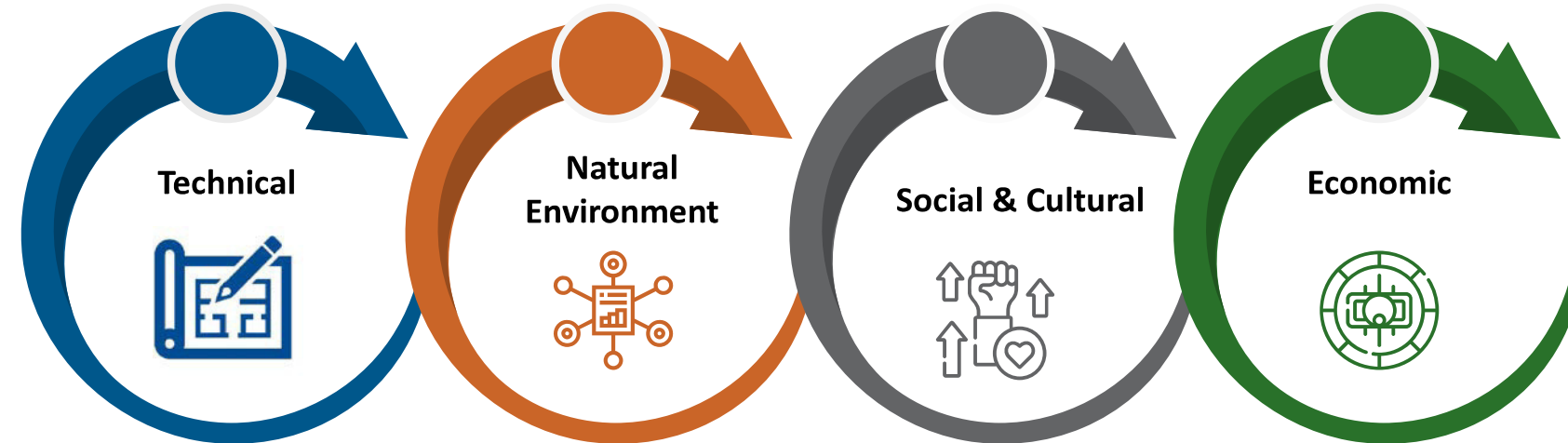


- 1. Do Nothing
- 2. Limit Growth
- 3. Water Conservation
- 4. Improvements to Existing System: New Facilities & Watermains
 - a) Twin Existing Arkell Aqueduct
 - b) New Arkell Watermain, Pump Station & Reservoir



- 1. Do Nothing
- 2. Limit Growth
- 3. Inflow and Infiltration Reduction
- 4. Improvements to Existing System: Gravity Sewers
- 5. Improvements to Existing System: Pumping Stations and Forcemains

2. Evaluate alternatives against these criteria.



3. Identify preferred water and wastewater strategies.

Preliminary Preferred Water Servicing Strategy

Preliminary Preferred Wastewater Servicing Strategy





Water and Wastewater Servicing Master Plan

Water, Existing System



Available Supply: 79 megalitres per day

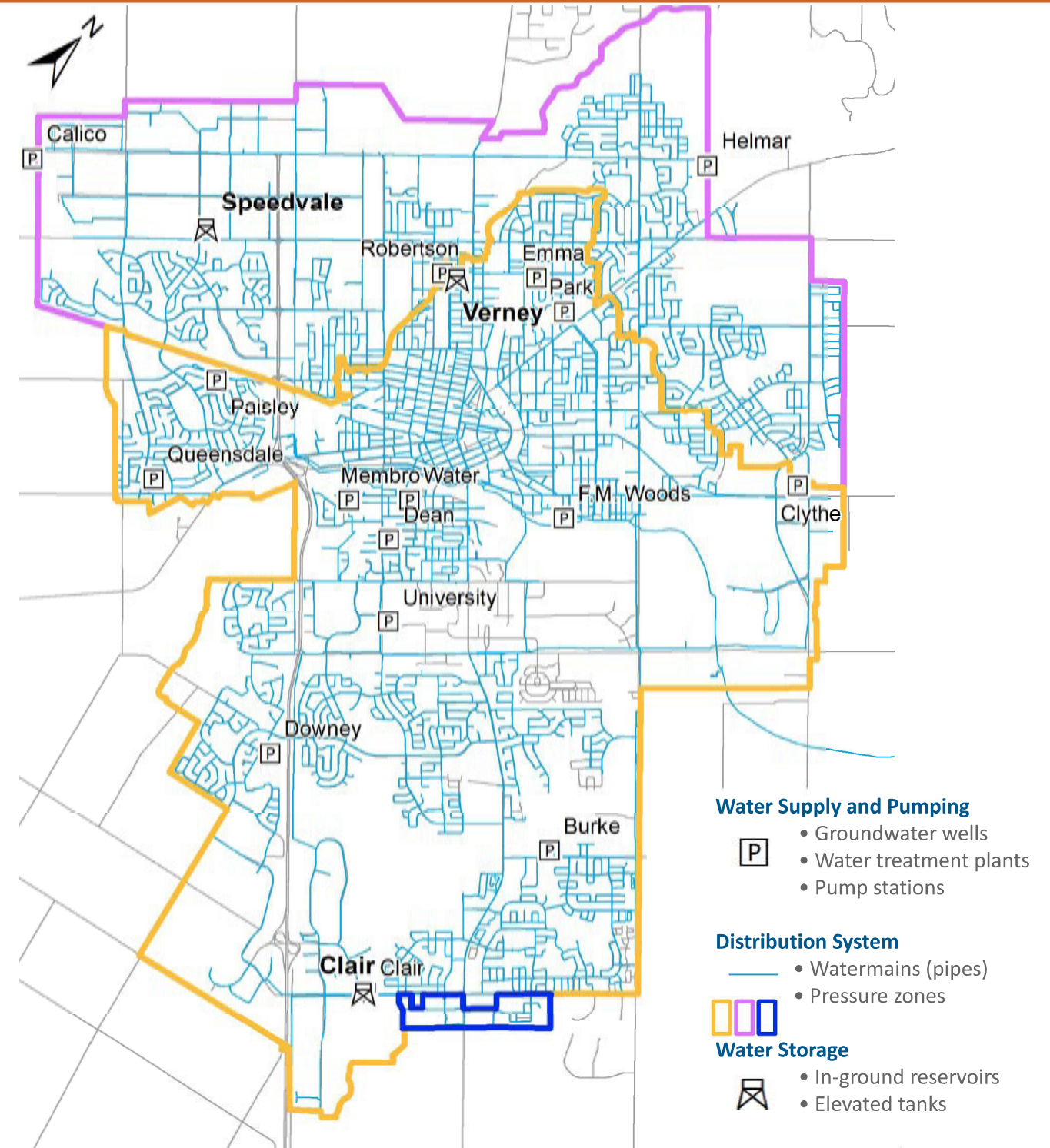
- Primarily supplied by wells and collector system into the Arkell Aqueduct
- Twelve other supply wells throughout system

Storage: 57 megalitres

- 80% in-ground reservoirs
- 20% elevated tanks (Verney, Speedvale & Clair)

Pump Capacity: 201 megalitres per day

- Majority of Zone 1 pump capacity is located at F.M. Woods water treatment plant.
- Paisley, Robertson & Clythe pump stations boost pressure to Zone 2.
- Clair Pump Station boosts pressure to Zone 3.
- Other pump facilities located throughout system at wells.





Water and Wastewater Servicing Master Plan

Water, Opportunities and Constraints

Watermain Capacity
Limited connectivity between east and west sides of Zone 2

Watermain Capacity
Localized areas of limited watermain capacity include the Downtown and Old University area.

Watermain Capacity
Limited capacity between F.M. Woods Water Treatment Plant and the south end of the system

Security of Supply and Criticality
Paisley and Clythe Pump Stations identified as moderately critical due to limited east-west watermain capacity and floating storage in Zone 2.

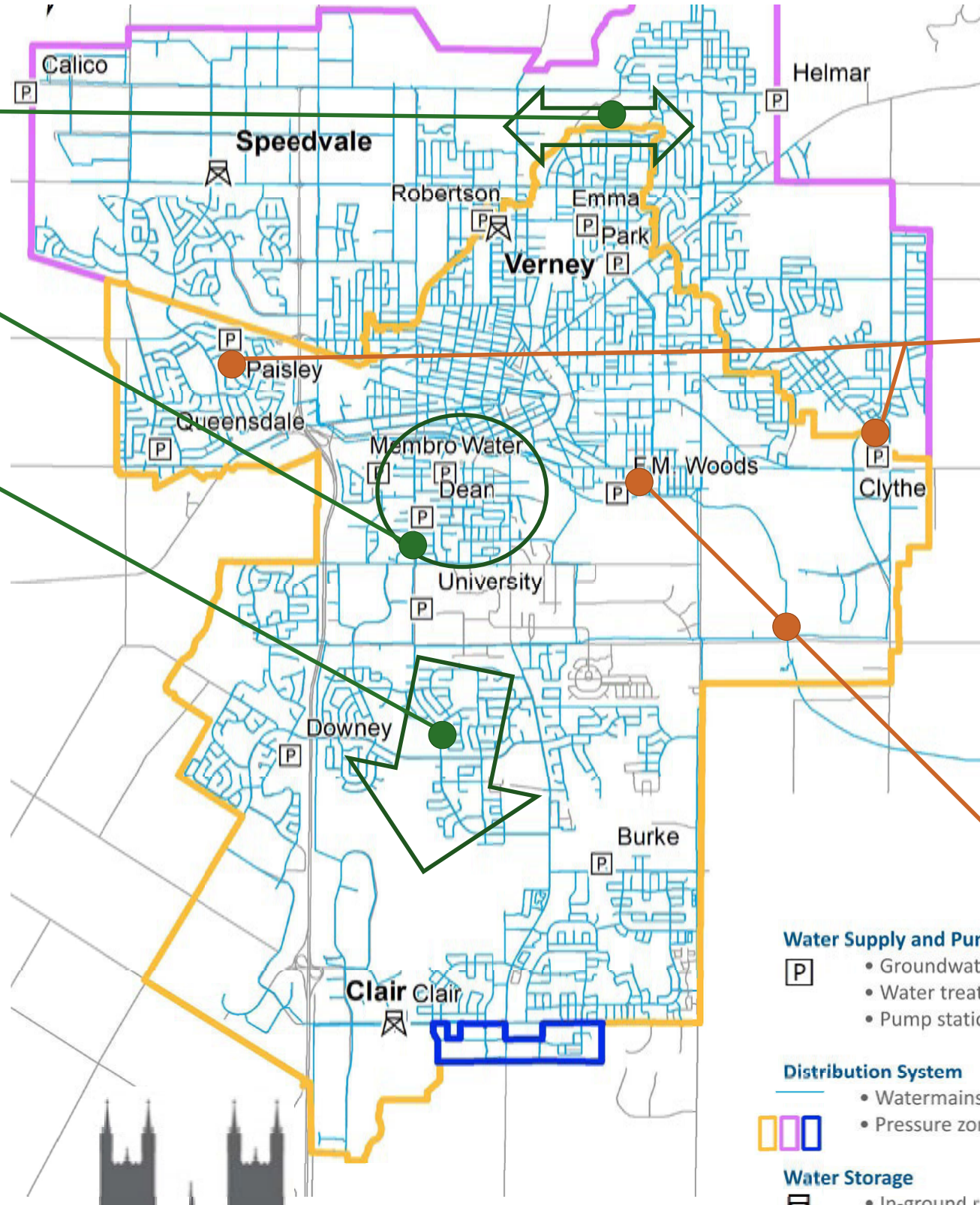
Security of Supply and Criticality
Arkeil Aqueduct and F.M. Woods Water Treatment Plant are highly critical non-redundant pieces of infrastructure.

Fire Flow
Localized low fire flow availability in areas with aging cast iron pipes.

Pressure
Areas with service pressures outside of preferred operating range under existing and future conditions.

Storage
Sufficient storage in each pressure zone under existing and 2051+ conditions based on MECP Guidelines.
Planned new storage at Clythe and Clair Maltby

Pumping
Sufficient pump capacity in each pressure zone under existing and 2051+ conditions. Pump Station upgrades planned at Paisley, Clythe, Robertson (Verney) and Park



- Water Supply and Pumping**
- [P] Groundwater wells
 - [T] Water treatment plants
 - [P] Pump stations
- Distribution System**
- [Blue line] Watermains (pipes)
 - [Yellow/Purple/Blue outline] Pressure zones
- Water Storage**
- [A] In-ground reservoirs
 - [Elevated tank icon] Elevated tanks

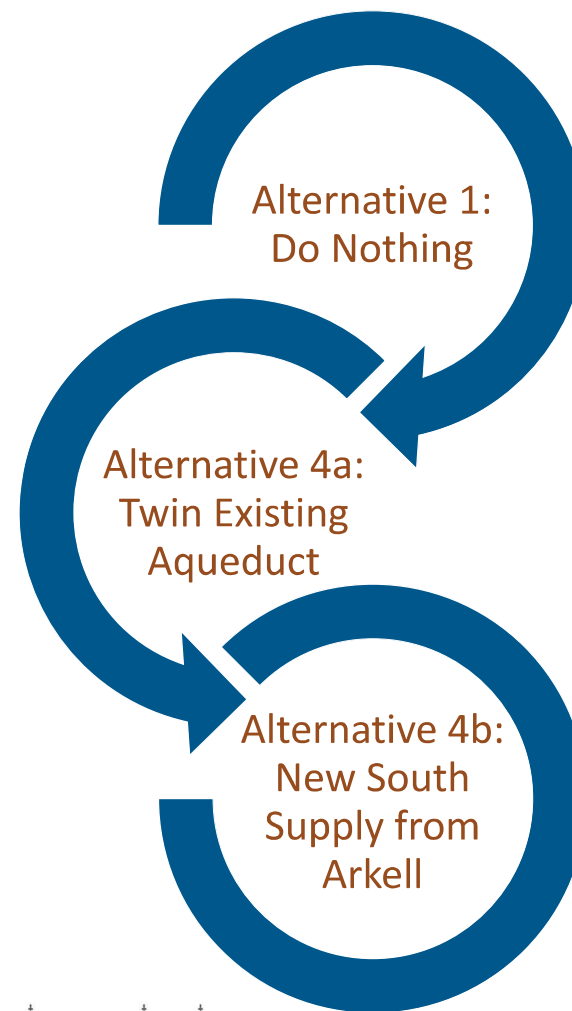




The **Arkell Aqueduct** is a critical piece of infrastructure.

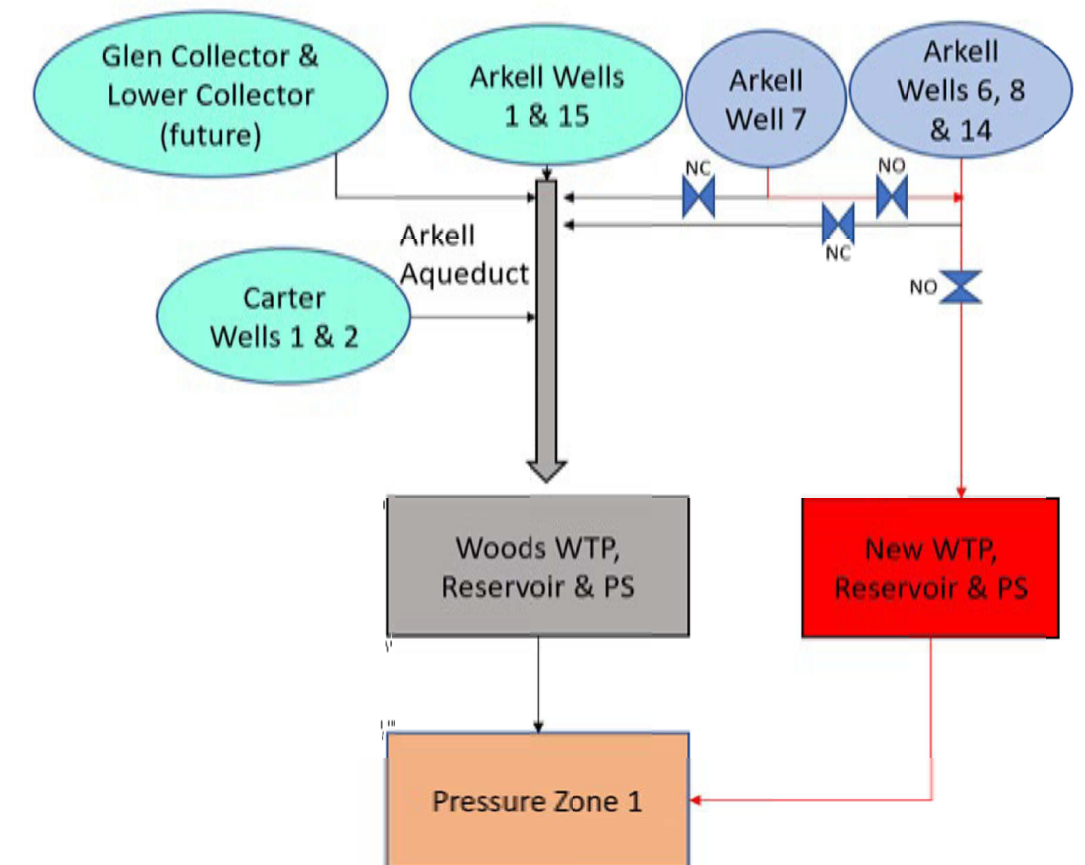
- It conveys water from the Arkell Spring Grounds and the Carter Wells to the F.M. Woods Water Treatment Plant for treatment, storage and pumping into the City's Pressure Zone 1.
- The aqueduct conveys 60-80% of the City's drinking water supply on any given day.
- The total length of the aqueduct is approximately 6 km.

Alternatives considered for addressing criticality:



Preferred Alternative, Alternative 4b:

- New Arkell Watermain, Pump Station and Reservoir
- Addresses criticality of existing Arkell Aqueduct & F.M. Woods Water Treatment Plant
- Improves resiliency of supply
- Direct supply to south end of Zone 1, reduces watermain capacity constraints





Water and Wastewater Servicing Master Plan

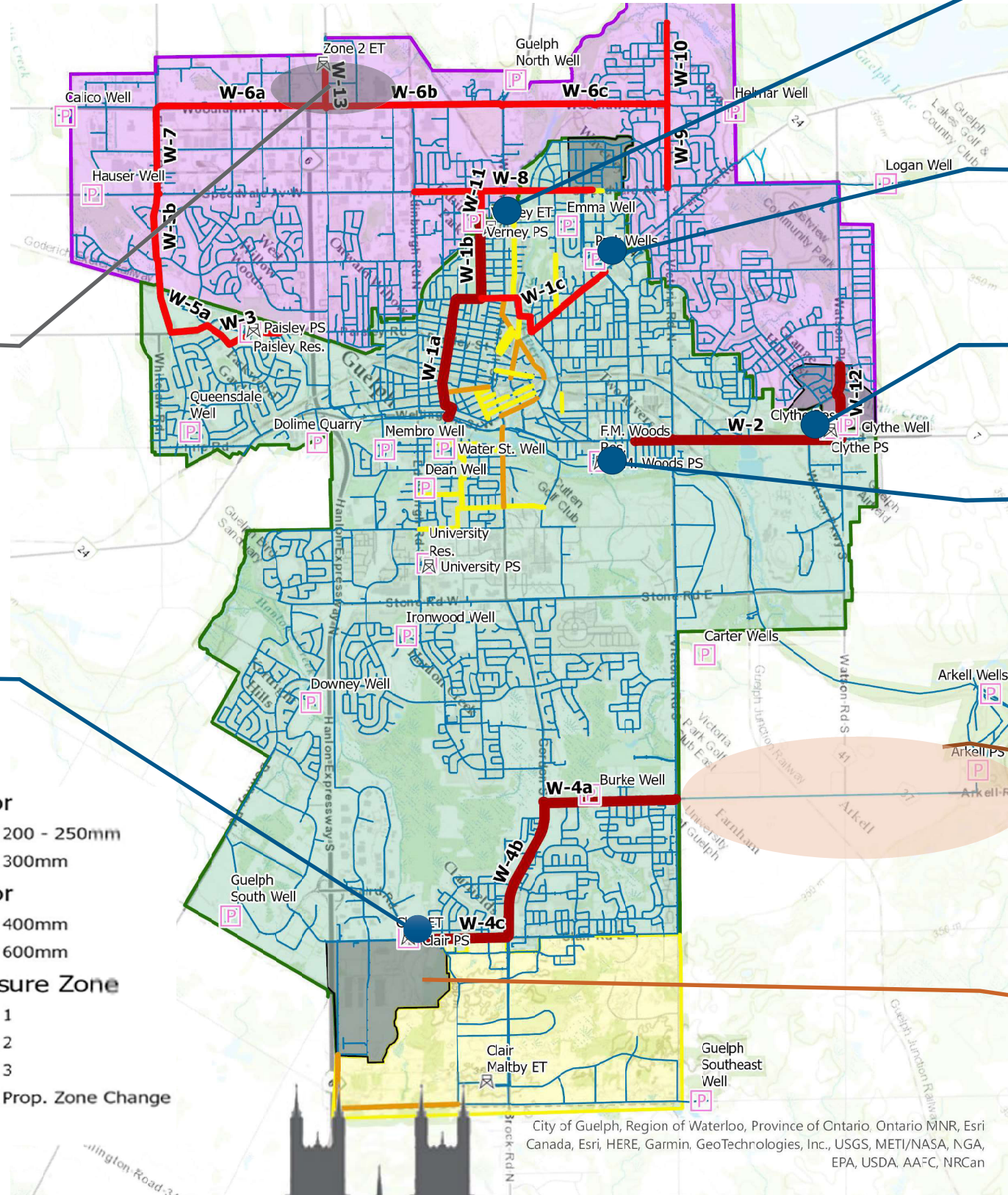
Water, Proposed Upgrades



Elevated Storage:
W-S-1: New elevated tank at north end of Zone 2 to replace Speedvale Elevated Tank to improve hydraulics of Zone 2 and increase floating storage volume. Location to be determined.

Facilities:
F-5: Retrofit of existing Clair Pump Station for future Zone 3 conditions.

Watermains:
 Major and Minor Watermain upgrades proposed throughout system to improve looping and connectivity
 Cast iron replacement program to improve localized fire flow constraints



Facilities:
F-3: Replacement of Robertson Pump Station with new Verney Pump Station with increased capacity, to reduce criticality of Paisley & Clythe Pump Stations.

Facilities:
F-4: Transition of Park Wells from Zone 1 to Zone 2 to improve redundancy and increase supply to east side of Zone 2.

Facilities:
F-2: Replacement of existing Clythe Pump Station and Reservoir with increased pump capacity and storage. * Project currently in design phase

Facilities:
F-1: Upgrades to F.M. Woods WTP to improve redundancy of facility. * Project currently in design phase

Arkell Supply:
Arkell Alt B: New Arkell Watermain, Pump Station and Reservoir to address criticality of existing Arkell Aqueduct & F.M. Woods WTP. Direct supply to south end of Zone 1, reduces watermain capacity constraints

Pressure Zone Boundaries
 Proposed zone boundary adjustments to improve servicing pressures.

City of Guelph, Region of Waterloo, Province of Ontario, Ontario MNR, Esri, Canada, Esri, HERE, Garmin, GeoTechnologies, Inc., USGS, METI/NASA, NGA, EPA, USDA, AAFC, NRCan





Water and Wastewater Servicing Master Plan

Water, Project List and Budget



Horizon	Short-Term (2031)	Mid-Term (2041)	Long-Term (2051+)	Total
Major Watermains (greater than 300mm)	\$24,000,000	\$14,000,000	\$19,000,000	\$57,000,000
Minor Watermains (less than 300mm)	\$13,000,000	\$2,000,000	\$ 0	\$15,000,000
Cast Iron Watermain Replacement	\$32,000,000	\$32,000,000	\$32,000,000	\$96,000,000
Facilities	\$10,000,000	\$11,000,000	\$ 0	\$21,000,000
Arkell PS, Reservoir & Watermain	\$62,000,000	\$ 0	\$ 0	\$62,000,000
Total	\$141,000,000	\$59,000,000	\$51,000,000	\$251,000,000





Water and Wastewater Servicing Master Plan

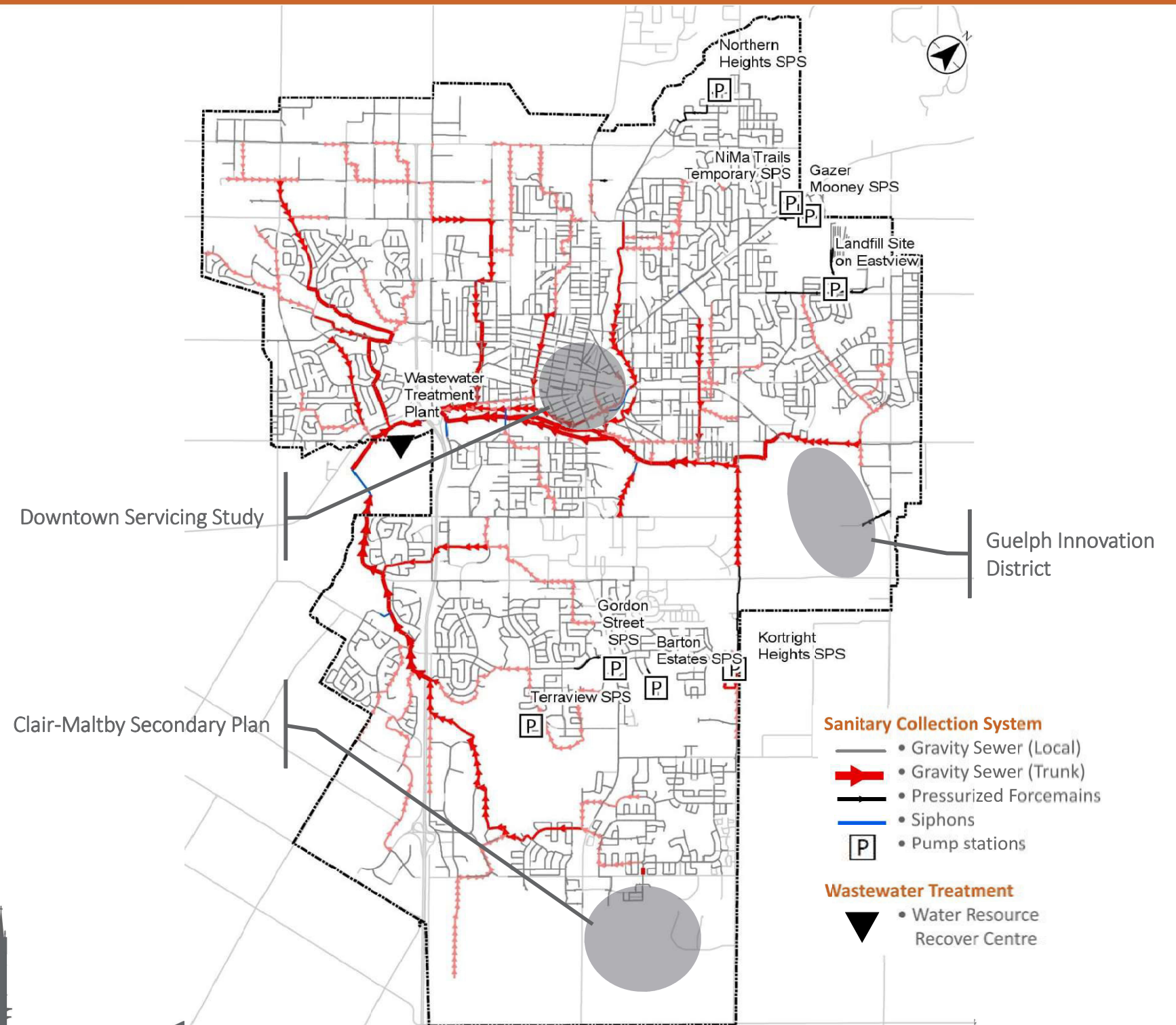
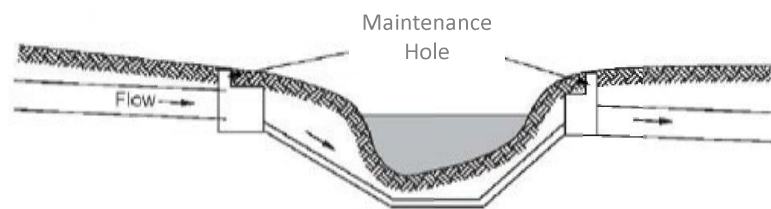
Wastewater, Existing System

Wastewater Collection System

- 517 kilometres of sanitary sewers
- 7 sewage pumping stations
- 10 siphon pipes used to deflect under existing infrastructure or watercourses
- Drains to Water Resource Recovery Centre

What is a Siphon?

Siphons are a type of sewer that allows wastewater to flow through a pipe under low lying areas or obstructions such as rivers or other pipes.





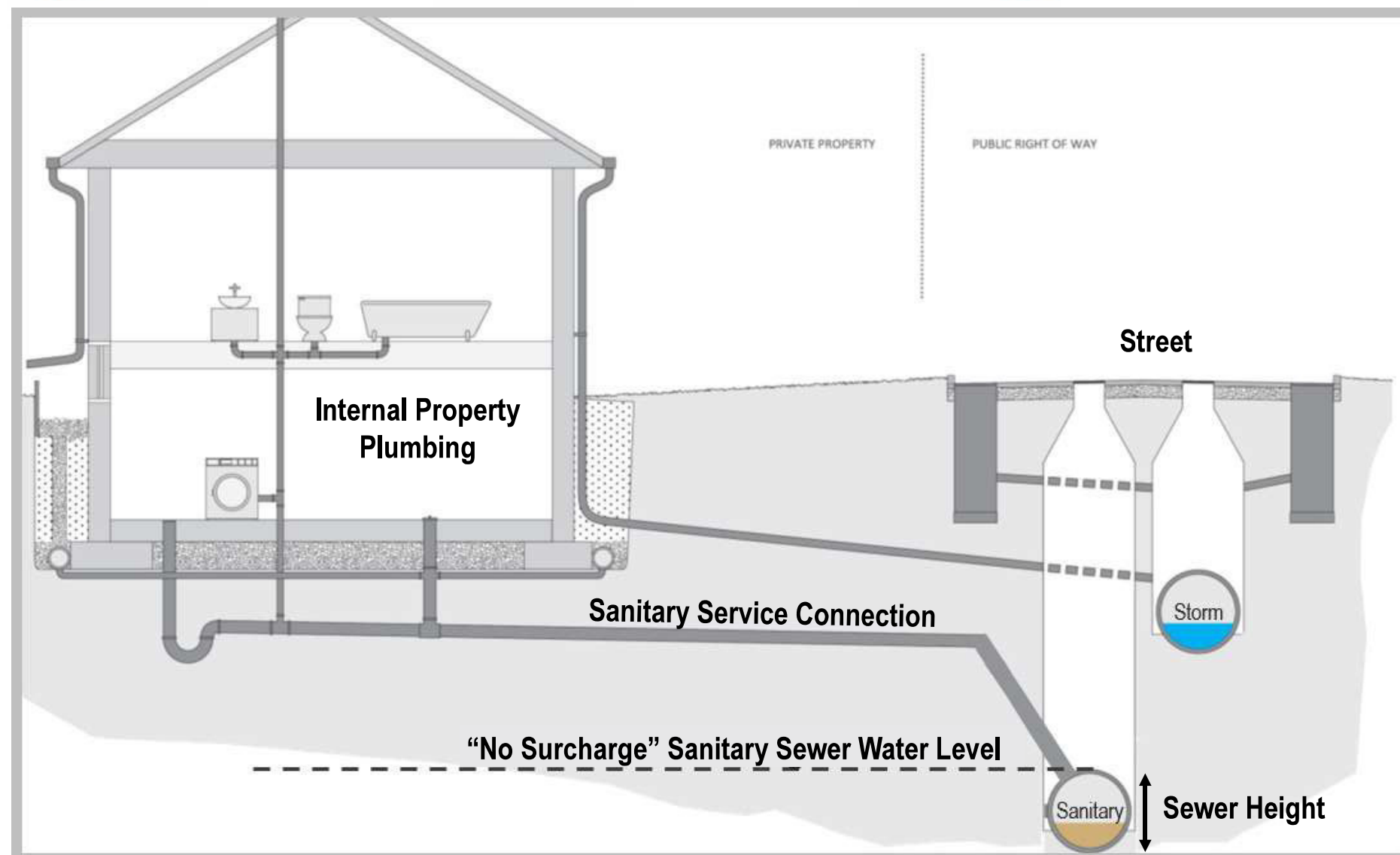
Constraints

- Sewers are known to be shallow in certain areas, reducing the separation of sewer water levels from private property
- Water Resource Recovery Centre sees extraneous flows in wet weather
- Population growth increases sewage flow
- Some trunk and local sewers are strained under existing and future growth when it rains
- Some sewers are difficult to access and maintain

Opportunities

- Target “No Surcharge” performance criterion
- Improve City Design Standards to make sewers more watertight and reduce potential for new sources of infiltration and inflow
- Improve operation and maintenance access
- Coordination of improvements with other City capital initiatives

Typical Property Connection to the Municipal Sewer and Target Design Condition



City-wide targeted performance criterion is “No-Surcharge” in the 25-year design storm. The goal is for the sewer water level to remain inside the pipe under dry and wet weather conditions.

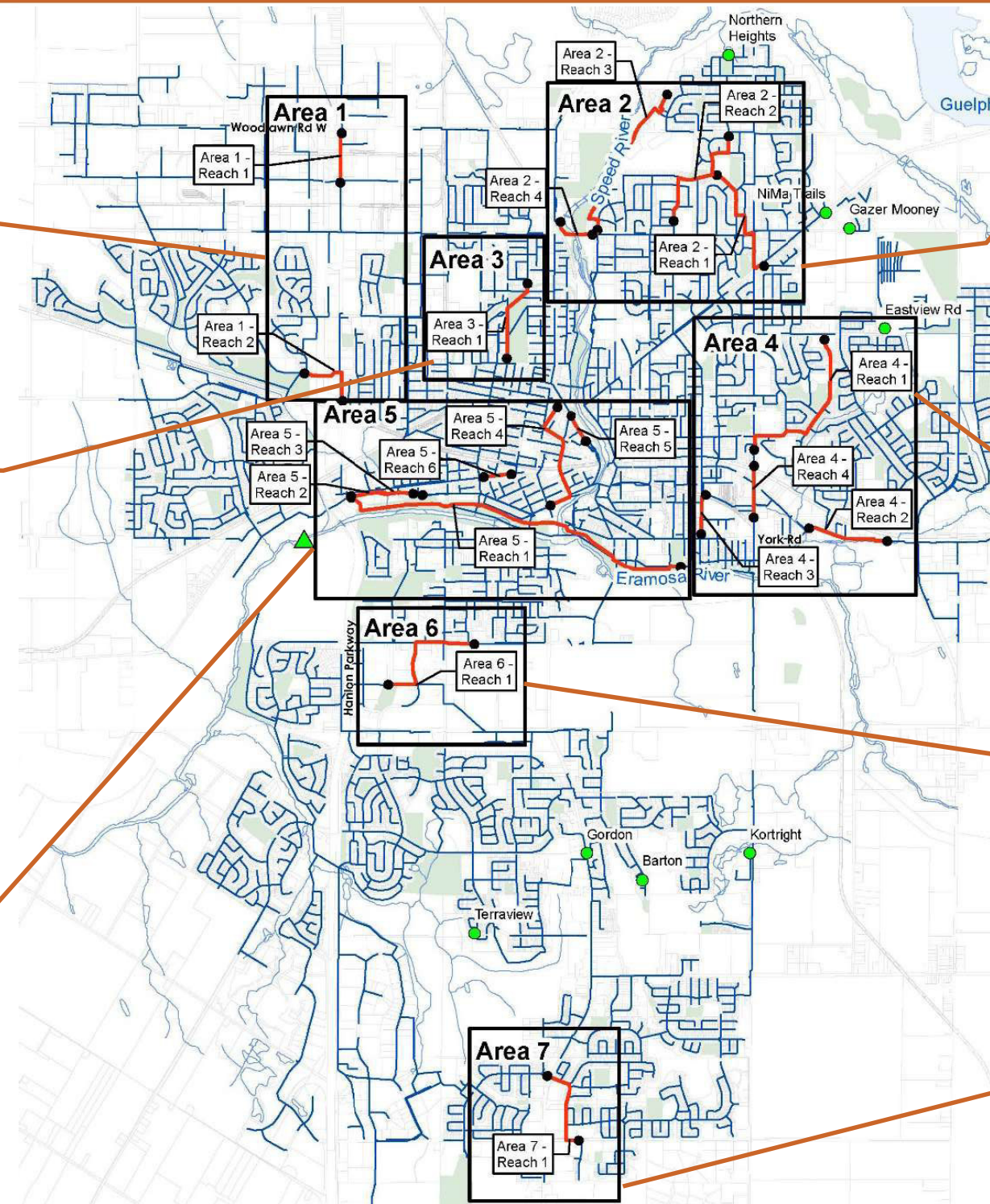


Water and Wastewater Servicing Master Plan

Wastewater, Constraint Areas



Seven Constraint Areas Defined



Area 1

- Local Sewer Capacity Constraints

Area 3

- Local Sewer Capacity Constraints
- Opportunity to decommission sewers in easements

Area 5

- Local Sewer Capacity Constraints in Downtown Intensification Area
- York Trunk Constraints and Operation and Maintenance Challenges with High Trunk Operating Level, Shallow Sewers, Siphon Crossings of the Speed River, and two shallow Trunk Crossings of tributaries of Speed River requiring temporary mitigation measures
- Opportunity to lower trunk into WRRC and consolidate sewers via diversion and realignment to improve operations and maintenance

Area 2

- Local Sewer Capacity Constraints
- Environmentally sensitive areas
- Opportunity to divert Lift Station flows with potential to address odour issue from long residence time

Area 4

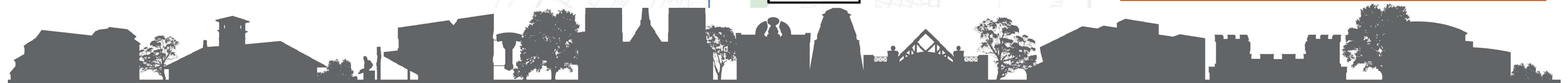
- Local Sewer Capacity Constraints
- Opportunity to divert Lift Station flows to take advantage of residual capacity in other parts of the system
- Opportunity to decommission sewers in easements

Area 6

- Local Sewer Capacity Constraints

Area 7

- Local Sewer Capacity Constraints
- Opportunity to Incorporate Clair-Maltby Preferred Servicing Strategy, avoids potential upgrades in deep sewers in residential areas





Water and Wastewater Servicing Master Plan

Wastewater, Opportunities and Constraints

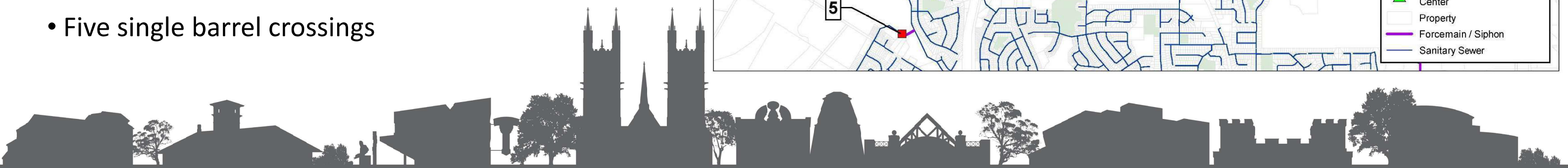
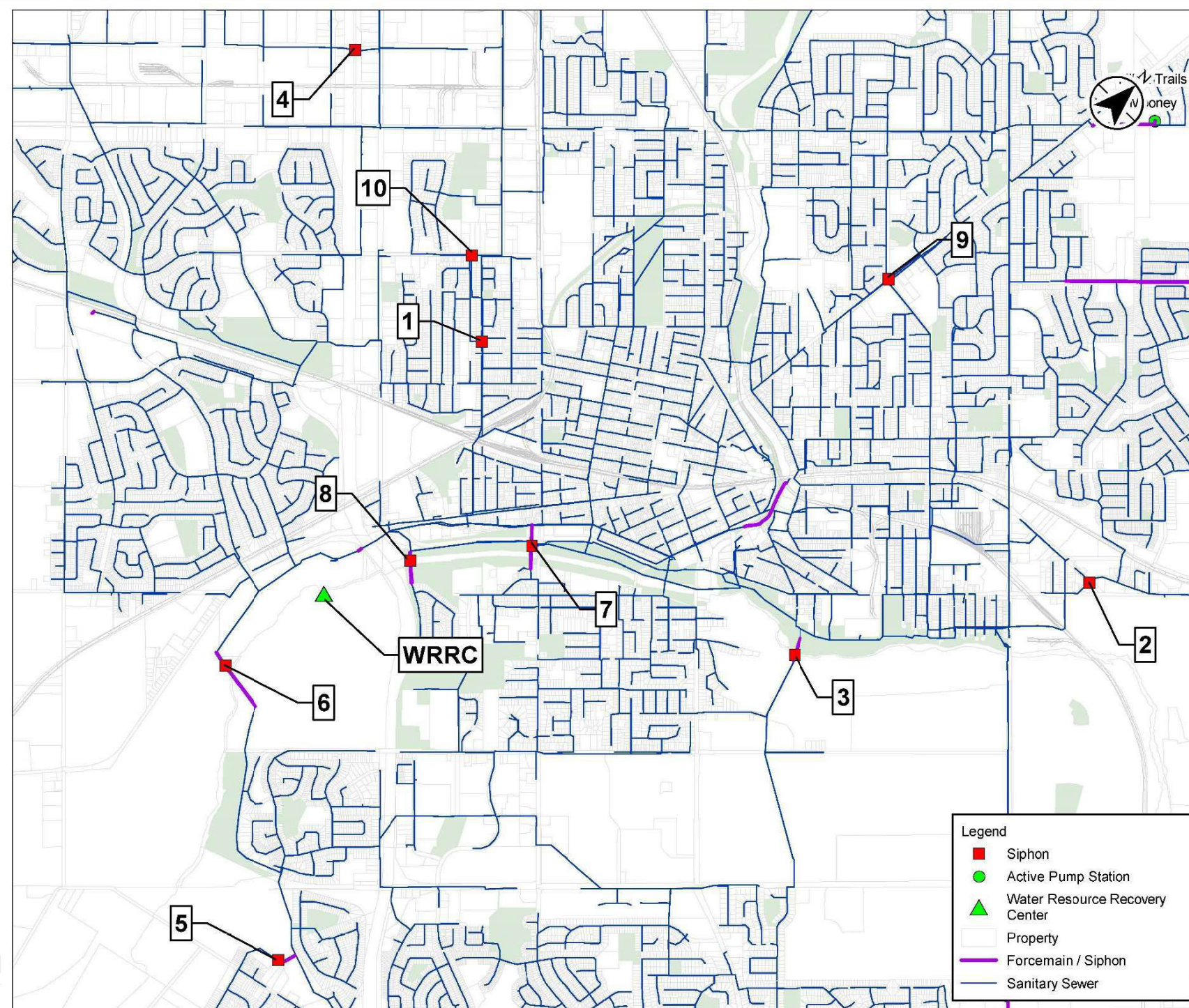


Existing Siphon Crossings

Siphon ID	Name	# of Barrels
1	Alma-Mercer	1
2	Elizabeth-Beaumont	2
3	Eramosa River	1
4	Hanlon-Massey-Campbell	2
5	Ptarmigan	2
6	Speed River - Crane Park	3
7	Speed River - Manor Park	1
8	Speed River - Municipal Street	2
9	Stevenson-Eramosa	1
10	Willow-Guelph	1

MECP Guidelines

- Minimum pipe size – 200 mm
- Self-cleaning velocity – 1.1 m/s-1.3 m/s daily
- Recommend two parallel barrels
- City siphons not achieving MECP flushing velocity
- Five single barrel crossings





Water and Wastewater Servicing Master Plan

Wastewater, Proposed Strategy



Overall preferred approach is **Improvements to Existing System - Gravity Sewers**. Certain project types within this approach are considered:

Sewer Replacement,

Existing sewers are replaced with larger diameter sewers.

Sewer Twinning / Storage,

Existing sewers remain. New parallel sewers are added. These may be oversized to introduce storage.

Flow Diversion,

Diverts excess flows to nearby existing sewers with sufficient residual capacity.

Siphon Operational Improvements,

Gravity realignment and/or improve existing siphon operation.

Supporting Programs,

1. Design Criteria and Standards Update
2. Inflow and Infiltration Mitigation Strategy
3. Rainfall and Flow Monitoring
4. Data Analytics and Management

- **Accommodates Future Growth Planning**
- **Builds Resiliency into the System**
- **Facilitates Improved Long-term Operation and Maintenance**
- **Aligns with the City's One Water Approach and Innovation Strategy**
- **Integrates with Principles of the Water Supply and Wastewater Treatment Master Plans, and Recommendations of the Stormwater Master Plan**





Water and Wastewater Servicing Master Plan

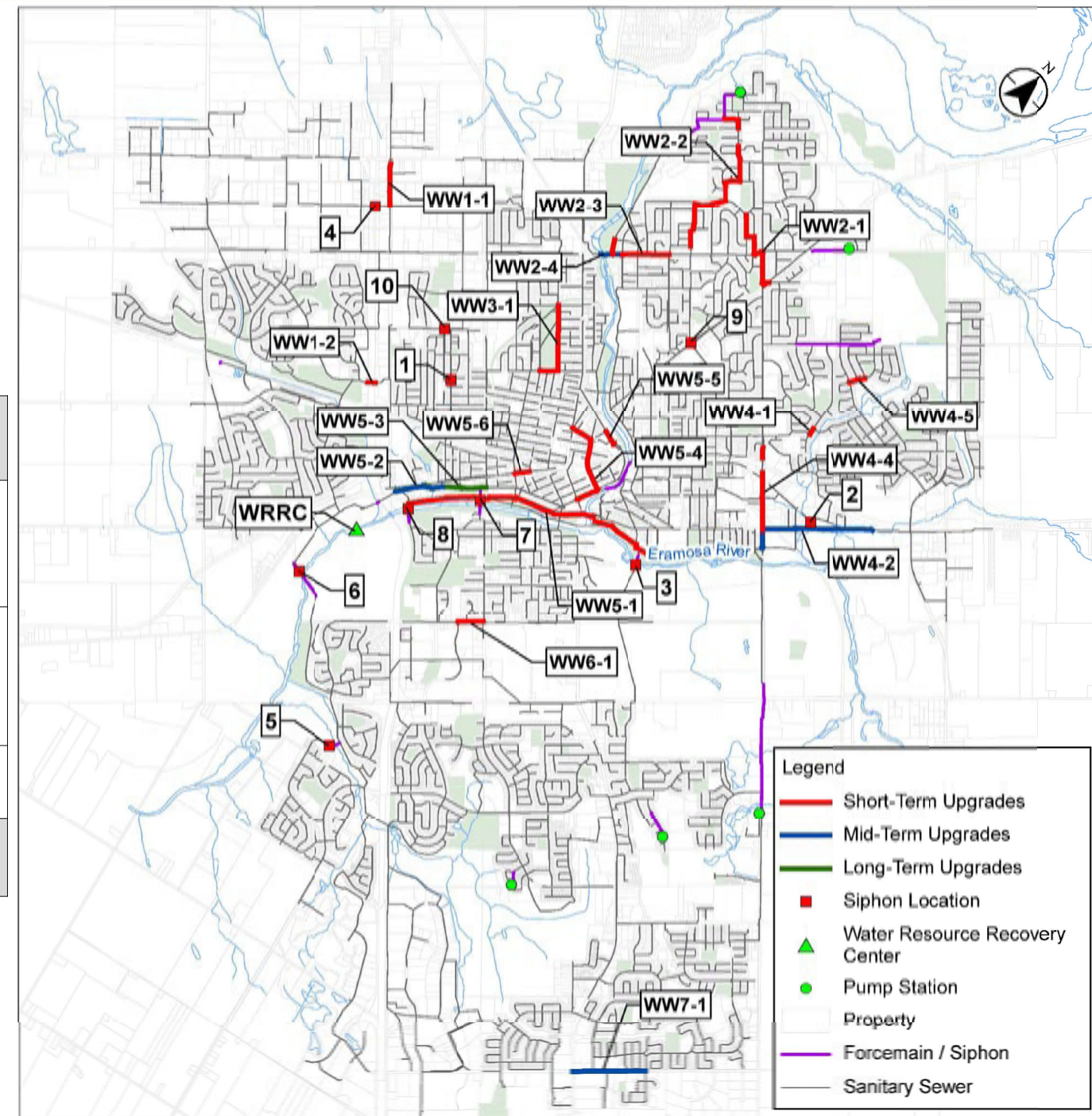
Wastewater, Proposed Upgrades



Projects identified over the short-, mid- and long-term growth planning horizons to 2051+

Estimate of Capital Investment

Horizon	Short-Term (2031)	Mid-Term (2041)	Long-Term (2051+)	Total
Trunk/Sub-Trunk Sewers (Less than 300mm)	\$60,710,000	\$7,880,000	\$3,680,000	\$72,270,000
Local Sewer (Greater than 300mm)	\$1,800,000	\$0	\$0	\$1,800,000
Siphon Projects	\$5,500,000	\$0	\$0	\$5,500,000
Total	\$68,010,000	\$7,880,000	\$3,680,000	\$79,570,000





Water and Wastewater Servicing Master Plan

Next Steps



Following this Open House:

- The materials will be available for review & comments accepted until December 20, 2022 at the website link below.

The Project Team will:

- Review and consider input received during this period to refine the Preferred Water & Wastewater Servicing Strategy and the associated capital plan.
- Prepare the Master Plan Project File Report for 30- day public review.

Please stay engaged.

Thank you for participating!



Have Your Say

Register, follow and join the conversation:

Project progress:



guelph.ca/plans-and-strategies/water-and-wastewater-servicing-master-plan/



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[Facebook.com/CityofGuelph](https://facebook.com/CityofGuelph)

Receive notifications:

Send your name and mailing address or email to the contacts. Use subject line: WWSMP Mailing List

Colleen Gammie, P.Eng.,
 PM, Infrastructure Planning
 Engineer Design and
 Construction,
 Engineering and Transportation
 Services
 City of Guelph
 t. 519-822-1260 extension 2282
Colleen.Gammie@Guelph.ca

Sam Ziemann, P.Eng., President
 C3 Water Inc.
 t. 519-404-4529
Sam.Ziemann@C3Water.com



HAVE YOUR SAY SURVEY RESULTS

Summary Report

08 June 2018 - 16 January 2023

Have Your Say Guelph

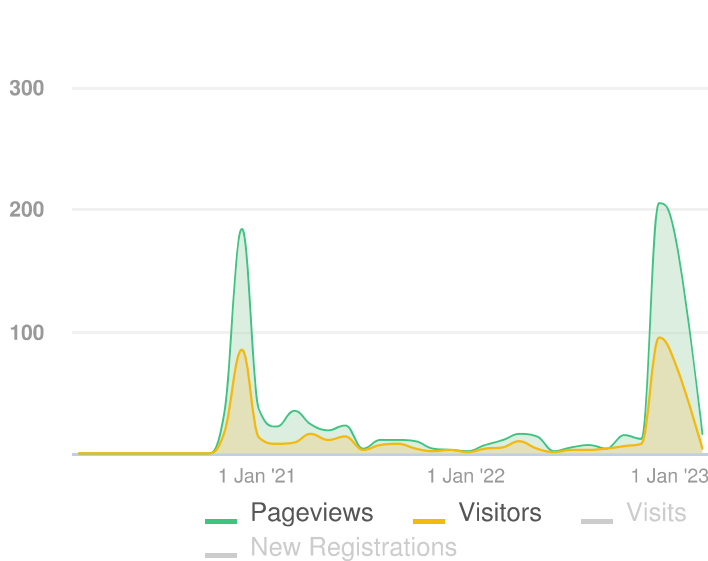
PROJECTS SELECTED: 1

Water and Wastewater Servicing Master Plan

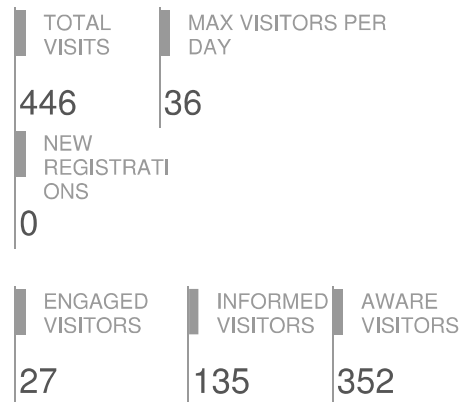
FULL LIST AT THE END OF THE REPORT



Visitors Summary



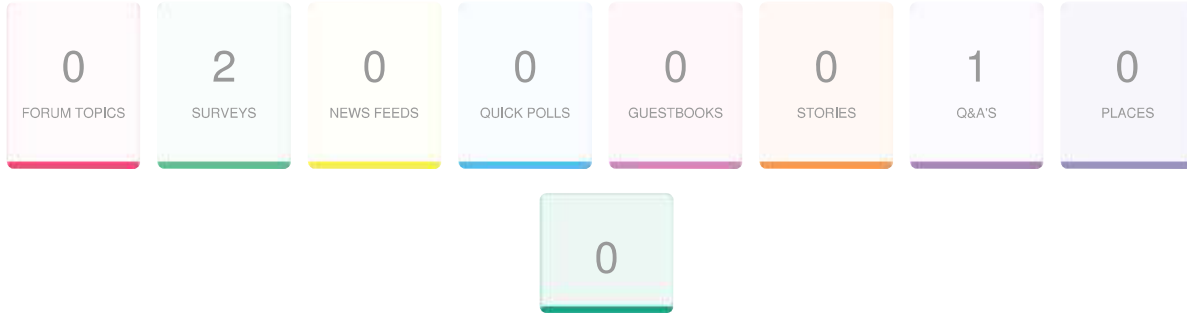
Highlights



PARTICIPANT SUMMARY

ENGAGED	27 ENGAGED PARTICIPANTS			(%)
		Registered	Unverified	Anonymous
INFORMED	Contributed on Forums	0	0	0
	Participated in Surveys	5	0	22
	Contributed to Newsfeeds	0	0	0
	Participated in Quick Polls	0	0	0
AWARE	Posted on Guestbooks	0	0	0
	Contributed to Stories	0	0	0
	Asked Questions	1	0	0
	Placed Pins on Places	0	0	0
	Contributed to Ideas	0	0	0
	<i>* A single engaged participant can perform multiple actions</i>			<i>* Calculated as a percentage of total visits to the Project</i>
Water and Wastewater Serv... 27 (7.7%)				
ENGAGED	135 INFORMED PARTICIPANTS			(%)
		Participants		
INFORMED	Viewed a video	0		
	Viewed a photo	0		
	Downloaded a document	33		
	Visited the Key Dates page	18		
	Visited an FAQ list Page	0		
	Visited Instagram Page	0		
AWARE	Visited Multiple Project Pages	89		
	Contributed to a tool (engaged)	27		
	<i>* A single informed participant can perform multiple actions</i>			<i>* Calculated as a percentage of total visits to the Project</i>
Water and Wastewater Serv... 135 (38.4%)				
ENGAGED	352 AWARE PARTICIPANTS			
		Participants		
INFORMED	Visited at least one Page	352		
AWARE				
	<i>* Aware user could have also performed an Informed or Engaged Action</i>			<i>* Total list of unique visitors to the project</i>
Water and Wastewater Serv... 352				

ENGAGEMENT TOOLS SUMMARY



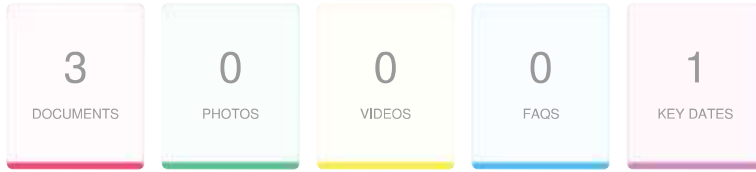
SURVEYS SUMMARY	
2	Surveys
27	Contributors
27	Submissions

TOP 3 SURVEYS BASED ON CONTRIBUTORS	
26 Contributors to Guelph Water/Wastewater Servicing Master Plan Survey	1 Contributors to November 29, 2022 - Public Open House Comment Form

Q & A SUMMARY	
1	Q&As
1	Contributors
1	Questions

TOP 3 Q & A BASED ON CONTRIBUTORS	
1 Contributors to Questions?	

INFORMATION WIDGET SUMMARY



DOCUMENTS	
3	Documents
33	Visitors
53	Downloads

TOP 3 DOCUMENTS BASED ON DOWNLOADS		
37 Downloads	13 Downloads	3 Downloads
Engagement summary open house_1.pdf	WWW MP - Public Open House 2 Display Boards.pdf	WWW MP - Glossary of Terms.pdf

KEY DATES	
1	Key Dates
18	Visitors
22	Views

TOP 3 KEY DATES BASED ON VIEWS
22 Views
Water and Wastewater Servicing Master Plan

TRAFFIC SOURCES OVERVIEW

REFERRER URL	Visits
www.google.com	70
guelph.ca	67
m.facebook.com	34
t.co	24
lm.facebook.com	14
l.facebook.com	11
www.google.ca	6
www.guelphtoday.com	6
mail.google.com	2
www.theweathernetwork.com	2
us18.campaign-archive.com	1
visualmedia.jacobs.com	1
www.bing.com	1
android-app	1

SELECTED PROJECTS - FULL LIST

PROJECT TITLE	AWARE	INFORMED	ENGAGED
Water and Wastewater Servicing Master Plan	352	135	27

November 29, 2022 - Public Open House Comment Form

SURVEY RESPONSE REPORT

08 June 2018 - 02 January 2023

PROJECT NAME:

Water and Wastewater Servicing Master Plan



SURVEY QUESTIONS

Q1 What refinements, if any, are needed regarding the problem statement?

12/13/2022 03:02 PM

This (what?) identifies servicing requirements? the 10 year gap? the current plan? the new plan? the study?

Optional question (1 response(s), 0 skipped)

Question type: Essay Question

Q2 Do you have any recommended refinements to the study goals and objectives?

12/13/2022 03:02 PM

looks fine!

Optional question (1 response(s), 0 skipped)

Question type: Essay Question

Q4 Do you have any feedback or comments on the Water System - Proposed Upgrades?

12/13/2022 03:02 PM

how does the plan to twin the Arkell Aqueduct intersect with the SWMP to protect critical stormwater mitigation provided by forests, riparian zones and other significant wetlands? do these upgrades strategically reflect the designated land uses for the areas targeted for residential growth? is the City Plan targeting residential growth taking into consideration the natural water supply constraints, or the other way around? Ie, does this plan have to bow to the growth mandate, or does it play a trump card vs poorly situated development? (obviously, I prefer that the watershed limit growth, but I understand the provincial mandate to "grow".)

Optional question (1 response(s), 0 skipped)

Question type: Essay Question

Q5 | Do you have any comments or feedback on the Existing Wastewater System Opportunities and Constraints?

12/13/2022 03:02 PM

Can we add a constraint to developers via Plan documents or building code that encourages source management of sewage to reduce the flow due to population growth, rather than just taking it as a given? anything from mandating/incentivizing retrofits to ICI (especially including any major influx points to development density, eg, retrofitting older multiresidential towers) to the usual "Royal Flush rebates" for homeowners, but hopefully continually increasing water use efficiency using technological infrastructure rather than just behavioural. (although our water use days are amazing. keep up that great work!)

Optional question (1 response(s), 0 skipped)

Question type: Essay Question

Q6 | Do you have any feedback or comments on the Wastewater System - Proposed Upgrades?

12/13/2022 03:02 PM

What does "opportunity to decommission sewers in easements" mean? is there an opportunity for flow diversion there instead?

Optional question (1 response(s), 0 skipped)

Question type: Essay Question

Q7 | Do you have any other feedback on the information presented at Public Open House #2? Are there any other items that the project team should consider?

12/13/2022 03:02 PM

also, I highly recommend keeping as much as possible the "Innovation District" aka Yorklands a naturalized area rather than needing to react to plans to pave over everything.

Optional question (1 response(s), 0 skipped)

Question type: Essay Question

From: [Colleen Gammie](#)
To: [Don Kudo](#)
Cc: [Steve Anderson](#)
Subject: RE: Guelph Water/Wastewater Servicing Master Plan

Hi Don,

Thank you for your quick response. We will certainly provide notice to the County when the current W/WW MP is complete, and initiate engagement when the more detailed study for the route from Arkell Spring Grounds to Guelph commences.

Happy New Year!

Cheers,

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph
519-822-1260 extension 2282
Mobile 226-332-4693
colleen.gammie@guelph.ca

guelph.ca

From: Don Kudo <donk@wellington.ca>
Sent: Thursday, December 22, 2022 1:51 PM
To: Colleen Gammie <Colleen.Gammie@guelph.ca>
Cc: Steve Anderson <Steve.Anderson@guelph.ca>
Subject: Re: Guelph Water/Wastewater Servicing Master Plan

Colleen ,

No concerns from the County perspective at this time with respect to the proposed route and would welcome further engagement as the study progresses.

Don Kudo, P. Eng.
County Engineer
County of Wellington

Sent from my iPhone

On Dec 19, 2022, at 10:24 AM, Colleen Gammie <Colleen.Gammie@guelph.ca> wrote:

Hi Don,

We are heading to ET with this item in late January and it would be great to have the County's initial thoughts in advance of that. I am happy to meet with you/your team to

present an overview of the program of work, if that would be helpful in their review.

Thank you,

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph

519-822-1260 extension 2282

Mobile 226-332-4693

colleen.gammie@guelph.ca

guelph.ca

From: Don Kudo <donk@wellington.ca>

Sent: Thursday, December 15, 2022 4:11 PM

To: Colleen Gammie <Colleen.Gammie@guelph.ca>

Cc: Steve Anderson <Steve.Anderson@guelph.ca>

Subject: RE: Guelph Water/Wastewater Servicing Master Plan

[EXTERNAL EMAIL] Do not click links or attachments unless you recognize the sender and know the content is safe.

Colleen,

Thanks for your outreach. Nice to see this MP being updated as I completed the original MP back in my Guelph days. I will check in with our Eng staff and get back to you. Do you have a timeline for a response?

Thanks,

Don Kudo, P. Eng.

County Engineer

Engineering Services Department

County of Wellington

74 Woolwich Street

Guelph ON N1H 3T9

T 519.837.2601 x2280

C 226.962.3015

E donk@wellington.ca

W www.wellington.ca

From: Colleen Gammie [<mailto:Colleen.Gammie@guelph.ca>]

Sent: Thursday, December 15, 2022 11:28 AM

To: Don Kudo <donk@wellington.ca>

Cc: Steve Anderson <Steve.Anderson@guelph.ca>

Subject: Guelph Water/Wastewater Servicing Master Plan

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you know the contents to be safe.

Hi Don,

As part of Guelph's ongoing Water and Wastewater Servicing Master Plan (W/WW MP), the team is looking at bringing water from the Arkell Spring Grounds to the south end of Zone 1 (~ Arkell Road and Clair Road). Currently, the Arkell Aqueduct provides 60-80% of the City's water demand. The single-feed nature of the current aqueduct leaves the City vulnerable and in the event of a failure, we would not be able to meet water demands. In past studies, twinning of the aqueduct has been recommended. The team carried twinning as an alternative in the current study, however the cost and constructability and environmental concerns made a new point of entry into the City the preferred alternative. This approach also removes the need for an additional north-south transmission main from the plant to the south end of Zone 1 to alleviate pressure issues. The route of the new transmission main would run along Wellington County Roads 37 and potentially 41, depending on the configuration of the works on site (see red alignments below).

<image001.jpg>

The W/WW MP is being undertaken as a Schedule B EA, but the additional works on the Spring Grounds will require further study outside of the scope of the current W/WW MP. During that study, the exact route leaving the site would be determined. We have met with the Townships (Puslinch, Guelph Eramosa) on this item through a regular check-point with our water services team, however Steve flagged that these are County Roads and therefore we owe you an opportunity to comment as well. At this point, and for the W/WW MP, we won't know the exact route, but will be able to provide opportunity for future engagement through the more detailed study work for this project. It is currently anticipated that further study will occur over 2024-2025, with detailed design phased construction commencing afterwards.

The City would appreciate any initial feedback that the County has on this, and any future requirements for the study as it relates to doing road works on County Roads.

Thank you,

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph

519-822-1260 extension 2282

Mobile 226-332-4693

colleen.gammie@guelph.ca

guelph.ca

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From: [Colleen Gammie](#)
To: [Samuel Ziemann](#); [Eadie, Dave](#); [Michelle Scott](#); [Telmosse, Marc](#)
Subject: FW: Issues with South Gordon Street Sanitary Sewer
Date: Tuesday, January 3, 2023 8:22:07 AM
Attachments: [To HW.pdf](#)

Hi all,

Happy New Year! FYI, this item should be included in our correspondence appendix to the Project File.

Cheers,

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph
519-822-1260 extension 2282
Mobile 226-332-4693
colleen.gammie@guelph.ca

guelph.ca

From: Reg Russwurm <Reg.Russwurm@guelph.ca>
Sent: Friday, December 23, 2022 11:44 AM
To: Hugh R Whiteley <hwhitele@uoguelph.ca>
Cc: Colleen Gammie <Colleen.Gammie@guelph.ca>; Ike Umar <Ike.Umar@guelph.ca>; Tim Robertson <Tim.Robertson@guelph.ca>; Mary Angelo <Mary.Angelo@guelph.ca>
Subject: RE: Issues with South Gordon Street Sanitary Sewer

Mr. Whiteley,

I apologize for the delayed response to your November 26, 2022 letter, but I wanted to consult internally.

I agree that Inflow and Infiltration (I&I) is a challenge that our sanitary collection and treatment infrastructure faces. As you know, Guelph is not alone in this challenge however we're taking proactive measures to make improvements when and where we can within resource limitations.

The City has been conducting sanitary flow monitoring since the 2008 W/WW Master Plan. The previous 4-year program (2017-2021) targeted the Clair-Gordon area and performed analysis of dry weather flow versus wet weather flow at flow meters within the catchment. The study concluded that this area is not largely impacted by I&I and is performing as a relatively recently constructed infrastructure system should be expected (<1% Cv – a coefficient which represents the percent of runoff volume that is observed in the sewer). The City is part-way through another 4-year flow monitoring program (2021-2025) that will continue to isolate and identify neighbourhoods and catchments that are reacting to wet weather events with the goal of concentrating I&I reduction efforts.

The City is in the final stages of completing two Master Plans - one for [Wastewater Treatment and Biosolids Management](#) (WWT) and the other regarding [Water / Wastewater Servicing](#) (W/WW). Links to City webpages are included for your convenience. We expect to

complete the Environmental Assessments by mid-2023.

Regarding an similar inquiry you made with respect to the WWT MP, the City provided a response on January 18, 2022 (attached) that discussed per-capita rates and I&I factors. Although interesting to compare ourselves to others, the design of our infrastructure needs to be based on Guelph's experience. This approach may seem conservative but it is also the prudent approach for municipal engineers to avoid the possibility of designing a system that results in basement flooding during wet weather events. As we see reductions in I&I rates, we can reduce our design flows. I would not however recommend selecting a lower design flow in anticipation that I&I or per-capita flow rates will reduce.

Further, the ongoing W/WW MP will recommend that a formal I&I Strategy be developed, with subsequent programs to implement the works with the overall goals of reducing volume at the plant as well as realizing additional capacity in existing sewers. Any additional flow capacity can be reallocated to growth. As I'm sure you're aware, addressing I&I is not a one-size fits all solution nor can be completed quickly. Any I&I Strategy will be measured in many years as programs are implemented and a sewer system replaced.

Regarding specific points raised in your November 26, 2022 letter

The WW hydraulic model has been re-calibrated using over 5 years of flow monitoring - the best data available for infrastructure planning. The MP is reviewing all sewer sizing from the 2008 MP. The Gordon Street sewer is one of those sewers that is being reviewed. A final decision has not been made however we are looking closely at the necessity to upsize the sewer as part of the on-going MP. Since the MP follows the Environmental Assessment process, we are consulting with the community on the proposed works albeit not solely on the Gordon Street Sewer but moreover on the principles for system expansion .

I agree that we need to facilitate housing intensification, however past studies indicated capacity constraints in the Gordon Sewer that cannot be ignored. The unfortunate result of under-sizing sewers is basement flooding. The City's stated level of service is to not knowingly permit surcharging of sanitary sewers to minimize the risk of flooding events. When new infrastructure is installed, the primary cost is trench excavation, labour and restoration. The cost of up-sizing the pipe one or two pipe sizes is relatively minimal. As such, taking a conservative approach to pipe sizing for new works is prudent because it mitigates unknown flow fluctuations and provides future capacity for growth beyond the planning horizon.

The sizing of the Gordon Street sanitary sewer will be based on the findings from the W/WW MP once completed with refining based on specific sewage catchment data during final design. There are no specific reports available for the sizing of the Gordon Street Sanitary Sewer beyond what will be presented in the W/WW MP.

Reg Russwurm, MBA, P.Eng, **Manager, Design and Construction**
Engineering and Transportation Services, **Infrastructure, Development and Enterprise**
City of Guelph
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TTY 519-826-9771
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facebook.com/cityofguelph
[@cityofguelph](https://twitter.com/cityofguelph)

From: Hugh R Whiteley <hwhitele@uoguelph.ca>
Sent: November 27, 2022 6:56 PM
To: Reg Russwurm <Reg.Russwurm@guelph.ca>
Subject: Issues with South Gordon Street Sanitary Sewer

[EXTERNAL EMAIL] Do not click links or attachments unless you recognize the sender and know the content is safe.

Greetings Reg,

I attach a letter expressing my concerns about the absence of information on the causes and possible alternative solutions for the unexpected detection of flow-capacity deficiency in the South Gordon sanitary sewer main.

I also attach a partial summary of analyses I have conducted that strongly suggests that excessive I&I may be the cause of this flow-capacity deficiency. I apologize for the incomplete format of this material.

I hope you will be able to provide me with the requested information and pertinent City studies to resolve whether or not excessive I&I is a major factor and demonstrate that the solution being adopted provides for long-term efficiency and effectiveness in the Grodon Street sewer and the operation of the WRRRC.

Thanks in advance for your consideration of this submission.

Best regards

Hugh Whiteley P.Eng.

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January 18, 2022

Dr Hugh Whiteley

Thank you for your emails of May 10 and May 19 concerning the items that you raised at the second CLG meeting for the Guelph Wastewater Treatment and Biosolids Management Master Plan. The May 10 email provided your memo and spreadsheets concerning your review of the per capita flow rate and inflow and infiltration (I/I), and the May 19 email provided references concerning chloride levels from WWTPs.

Concerning your memo on flows, per-capita flow rates and I/I, Jacobs also compared per capita flow rates from the Guelph WWTP with those from Waterloo Region's larger WWTPs and found them to be in a similar range. From 2015 to 2019, the per capita flows for the larger WWTPs in the Region of Waterloo varied from 270 to 403 L/capita day on a yearly basis which compares well to the 390 L/capita/d rate we are using for Guelph. In addition, recent data indicates (Figure 1 from your memo) that the per capita flow rates for Guelph in the last ten years have been relatively flat, which is the period that Jacobs used to estimate the future per capita flow rate. Also, the Region of Waterloo uses student and under coverage populations (i.e., those missing from the Census data) in their estimate, which are not used by the City of Guelph. This likely introduces variations between per capita flow rates in the Region and the City. You do note that the water supply flows are lower than the wastewater flows, although this is the case for both Guelph and the Region of Waterloo.

The main issue that is raised in your memo is the wastewater and water supply per capita flow rate difference, which you have attributed to increasing I/I in the City. Our Team is not familiar with calculating the groundwater-derived I/I using the method from your spreadsheet (based on representative creek base flows and various infiltration factors). To estimate groundwater-derived I/I within the City, extensive flow-monitoring data are required, and these values would be calculated for catchments within the City, rather than one value for the entire City. However, your conclusion that the I/I rate has increased at a greater rate (12% per year) since 2013 is noted.

A review of the dry weather I/I in the City does require further evaluation and we have forwarded this information to the Water and Wastewater Servicing Master Plan team for their input and feedback. Regarding the impact to this Master Plan, the short- and medium-term upgrades that have been identified are required regardless of the current flow forecasts for the City, as many are based on current flows and conditions. A review of the I/I can be planned and undertaken with care over the next number of years to get a better understanding of future projections. In addition, as discussed at the CLG meeting, a reduction in dilute flows to the plant (like I/I) would have no impact on contaminant loadings to the Guelph WWTP, which are the main factors in determining the capacity needed for many of the processes at the plant. It is also noted that a conservative approach is required for the Master Plan so that the City is prepared for and can budget capital expenditures required in the future. If I/I and per capita flow rates do in fact reduce in the coming years, then the impact will enable deferral of some planned capital expenditures. However, it is not possible to accurately predict the impact of any I/I reduction at this stage, so it

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Guelph, ON
Canada
N1H 3A1

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TTY 519-826-9771

guelph.ca

is necessary to use the per capita flow rate that was developed based 10-years of historical flow and population data.

The chloride references highlight the impact of chloride, especially from water softeners on the effluent chloride concentration from wastewater treatment plants. The references generally recommend addressing elevated chloride concentration at the source and not in the wastewater treatment plant (for example, through sewer use bylaws). Reductions at the source require changes to water softener practices and processes at residences. Removal of chloride at the wastewater plants is indicated to be difficult and very costly. The City undertook a study with the Region of Waterloo in 2016 (Environmental Impact Study of Residential Water Softeners for the City of Guelph and Region of Waterloo) to review the impact of water softeners. Some of the main points were:

- Current and future salt mass loading by residential water softeners were calculated to be 5,600,000 kg/year at present to 7,200,000 kg/year in the future for the Guelph WWTP.
- Current and future effluent concentrations attributed to water softeners range from 132 to 578 mg/L for chloride.
- Results from 2015 indicated that urban residential softeners contribute approximate half of the wastewater effluent chloride concentration.
- The recommendation was to move to a salt and water free softener technology – recommendation was 100% replacement with ion exchange softeners over a 10 year period.

Lastly, the City is currently reviewing its sewer-use bylaw limits. the current limit for chloride is 1,500 mg/L. Jacobs will communicate with the progress of this project in terms of any reductions in chloride limits. Currently, upstream of the WWTP the chloride concentrations are around 60 mg/L, the effluent from the plant has a chloride concentration of around 500 mg/L, modeling estimates the downstream chloride concentration 220 mg/L at the WWTP's design flow.

Thank you for your feedback from the CLG meeting, please feel free to reach out to the City or Jacobs to discuss these items or if you have any questions concerning our feedback.

Sincerely,



Tim Robertson, Division Manger, Wastewater Service
IDE - Environmental Services Department

Tim.robertson@guelph.ca
519-822-1260 extension 2964

City of Guelph

Water and Wastewater Servicing Master Plan

Appendix B – Indigenous Consultation

March 2023



First Nations and Indigenous Community Consultation

Table 1. First Nation and Indigenous Community Consultation Log

Indigenous Community	Comment Summary & Consideration in the EA
Haudenosaunee Confederacy Chiefs Council	<ul style="list-style-type: none"> • Notice of Study Commencement sent on February 14, 2020 • Emailed Project Update on October 31, 2021 • Notice of Study Completion and Project Update Emailed on August 8, 2023
Metis Nation of Ontario	<ul style="list-style-type: none"> • Notice of Study Commencement sent on February 14, 2020 • Emailed Project Update on October 31, 2021 • Notice of Study Completion and Project Update Emailed on August 8, 2023
Haudenosaunee Development Institute	<ul style="list-style-type: none"> • Notice of Study Commencement sent on February 14, 2020 • Emailed Project Update on October 31, 2021 • Notice of Study Completion and Project Update Emailed on August 8, 2023
Six Nations of the Grand River	<ul style="list-style-type: none"> • Notice of Study Commencement sent on February 14, 2020 • Briefing Note provided July 6th, 2021 • Email correspondence to schedule a meeting (correspondence is provided in Appendix B) • The City had a meeting with Six Nations representatives on July 8th, 2021. The purpose of the meeting was to provide an update on the City's Water/Wastewater Servicing and Stormwater Management Master Plan Update and to obtain feedback from the Six Nations representatives on the plan updates. Detailed meetings notes are provided in Appendix B • During the July 8th, 2021 meeting, Six Nations noted the following: <ul style="list-style-type: none"> ○ Six Nations expressed concern on what the City is doing to reduce downstream effects, agricultural runoff, and salt contamination. ○ Six Nations addressed the importance of OGS units.

Indigenous Community	Comment Summary & Consideration in the EA
	<ul style="list-style-type: none"> ○ Six Nations prioritized protecting the Grand river and its tributaries. Leslie stated it is the City's priority as well. ○ Six Nations indicated it would like to review draft documents before these are finalized for Council decision-making, including draft documents for the master plans referenced in this note. ● Notice of Study Completion and Project Update Emailed on August 8, 2023
Mississaugas of the Credit First Nation (MCFN)	<ul style="list-style-type: none"> ● Notice of Study Commencement sent on February 14, 2020 ● Briefing Note provided October 1st, 2021 ● Email correspondence to schedule a meeting (correspondence is provided in Appendix X) ● The City had a meeting with the Mississaugas of the Credit First Nation on October 6, 2021. The purpose of the meeting was to an update on the City's Water/Wastewater Servicing and Stormwater Management Master Plan Update and to obtain feedback from the MCFN representatives on the plan updates. Detailed meetings notes are provided in Appendix B. ● During the October 6th, 2021 meeting, MCFN stated that they want to be involved in projects that have archeological assessments and are breaking ground; that they support the green infrastructure that is being implemented in the Master Plan; and that they would like to meet during the engagement phase and be provided a yearly update on how and where the Master Plan is going. ● Notice of Study Completion and Project Update Emailed on August 8, 2023

**Guelph Water and Waste Water Servicing Master Plan
Indigenous Community Contact List**

Organization	FirstName	LastName	Title	Phone	Fax	Email	Address	City	Prov	Postal Code
First Nation										
Six Nations of the Grand River	Mark	Hill	Chief	(519) 445-2201		markhill@sixnations.ca	2498 Chiefswood Road, P.O. Box 5000	Oshweken	ON	N0A 1M0
Six Nations of the Grand River	Lonny	Bomberry	Lands and Resources Director	519-753-0665		lonnybomberry@sixnations.ca	2498 Chiefswood Road, P.O. Box 5000	Oshweken	ON	N0A 1M0
	Fran	Henry				franhenry@sixnations.ca				
Haudenosaunee Confederacy Chiefs Council	Hohahes Leroy	Hill	Secretary			jocko@sixnations.com	2634 6th Line Road, RR#2	Oshweken	ON	N0A 1M0
Haudenosaunee Development Institute			Consultation			hdi2@bellnet.ca				
	Wayne	Hill	Supervisor of Archeology			tworowarchaeology@gmail.com	16 Sunrise Court, Suite 417; PO Box #714	Oshweken	ON	N0A 1M0
	Hazel E.	Hill	Director			hazelehill@gmail.com	16 Sunrise Court, Suite 417; PO Box #714	Oshweken	ON	N0A 1M0
	Misty	Hill	Administrative			mistyhdi@gmail.com	16 Sunrise Court, Suite 417; PO Box #714	Oshweken	ON	N0A 1M0
	Todd	Williams	Engineer			williams.todde@gmail.com	16 Sunrise Court, Suite 417; PO Box #714	Oshweken	ON	N0A 1M0
Mississaugas of the New Credit First Nation	Stacey	LaForme	Chief	519-768-1133		Stacey.Laforme@mncfn.ca	2789 Mississauga Road R.R. #6	Hagersville	ON	N0A 1H0
	Fawn	Sault	Consultation Coordinator; Department of Consultation & Accommodation	905-768-4260		Fawn.Sault@mncfn.ca	6 First Line Rd., Unit 1 R.R.#6	Hagersville	ON	N0A 1H0
Metis Nation of Ontario				613-798-1488	613-722-4225	consultation@metisnation.org	1100-66 Slater St	Ottawa	ON	K1P 5H1

From: [Bergman, Stephanie](#)
To: consultation@metisnation.org
Cc: [Arun Hindupur](#); "[Samuel Ziemann](#)"; [Eadie, Dave](#)
Subject: Water and Wastewater Servicing Master Plan - City of Guelph
Date: Friday, February 14, 2020 10:00:00 AM
Attachments: [WWSMP EA Notice 10-Feb-20 MetisNation.pdf](#)
[NOC WaterWastewaterMP v2.pdf](#)

Dear Consultation Coordinator,

Please find attached an information letter and Notice of Commencement for the City of Guelph's Water and Wastewater Servicing Master Plan. Please feel free to contact the City's Project Manager Arun Hindupur at Arun.Hindupur@guelph.ca if you have any questions or feedback.

Stephanie L Bergman MA
Planner, Community Development

Direct: 519-675-6614
Mobile: 519-852-8945
stephanie.bergman@stantec.com

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From: [Bergman, Stephanie](#)
To: Stacey.Laforme@mncfn.ca
Cc: Fawn.Sault@mncfn.ca; [Arun Hindupur](#); "[Samuel Ziemann](#)"; [Eadie, Dave](#)
Subject: Water and Wastewater Servicing Master Plan Update - City of Guelph
Date: Friday, February 14, 2020 9:56:00 AM
Attachments: [WWSMP EA Notice 10-Feb-20 MississaugasNewCredit.pdf](#)
[NOC WaterWastewaterMP v2.pdf](#)

Dear Chief Stacey LaForme,

Please find attached an information letter and Notice of Commencement for the City of Guelph's Water and Wastewater Supply Master Plan. Please feel free to contact the City's Project Manager Arun Hindupur at Arun.Hindupur@guelph.ca if you have any questions or feedback.

Stephanie L Bergman MA
Planner, Community Development

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From: [Bergman, Stephanie](#)
To: jocko@sixnations.com
Cc: [Arun Hindupur](#); "[Samuel Ziemann](#)"; [Eadie, Dave](#)
Subject: Water and Wastewater Servicing Master Plan Update - City of Guelph
Date: Friday, February 14, 2020 9:32:00 AM
Attachments: [WWSMP EA Notice 14-Feb-20 Haudenosaunee Confederacy Council.pdf](#)
[NOC WaterWastewaterMP v2.pdf](#)

Dear Hohahes Leroy Hill,

Please find attached an information letter and Notice of Commencement for the City of Guelph's Water and Wastewater Supply Master Plan. Please feel free to contact the City's Project Manager Arun Hindupur at Arun.Hindupur@guelph.ca if you have any questions or feedback.

Stephanie L Bergman MA
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From: [Bergman, Stephanie](#)
To: hdi2@bellnet.ca
Cc: [Arun Hindupur](#); "[Samuel Ziemann](#)"; [Eadie, Dave](#)
Subject: Water and Wastewater Servicing Master Plan Update - City of Guelph
Date: Friday, February 14, 2020 9:52:00 AM
Attachments: [NOC_WaterWastewaterMP v2.pdf](#)
[WWSMP EA Notice 10-Feb-20 Haudenosaunee Development Inst.pdf](#)

Dear Consultation Coordinator at the Haudenosaunee Development Institute,

Please find attached an information letter and Notice of Commencement for the City of Guelph's Water and Wastewater Supply Master Plan. Please feel free to contact the City's Project Manager Arun Hindupur at Arun.Hindupur@guelph.ca if you have any questions or feedback.

Stephanie L Bergman MA
Planner, Community Development

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From: [Bergman, Stephanie](#)
To: avahill@sixnations.ca
Cc: lonnybomberry@sixnations.ca; [Arun Hindupur](#); "[Samuel Ziemann](#)"; [Eadie, Dave](#)
Subject: Water and Wastewater Supply Master Plan Update - City of Guelph
Date: Friday, February 14, 2020 9:36:00 AM
Attachments: [WWSMP EA Notice 14-Feb-20 Six Nations.pdf](#)
[NOC WaterWastewaterMP v2.pdf](#)

Dear Chief Ava Hill,

Please find attached an information letter and Notice of Commencement for the City of Guelph's Water and Wastewater Supply Master Plan. Please feel free to contact the City's Project Manager Arun Hindupur at Arun.Hindupur@guelph.ca if you have any questions or feedback.

Stephanie L Bergman MA
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From: [Bergman, Stephanie](#)
To: markhill@sixnations.ca
Cc: lonnybomberry@sixnations.ca; franhenry@sixnations.ca; [Arun Hindupur](#); "Samuel Ziemann"; [Eadie, Dave](#)
Subject: Water and Wastewater Supply Master Plan Update - City of Guelph
Date: Friday, February 14, 2020 9:44:00 AM
Attachments: [NOC_WaterWastewaterMP v2.pdf](#)
[WWSMP EA Notice 14-Feb-20 Six Nations1.pdf](#)

Dear Chief Hill,

Please find attached an information letter and Notice of Commencement for the City of Guelph's Water and Wastewater Supply Master Plan. Please feel free to contact the City's Project Manager Arun Hindupur at Arun.Hindupur@guelph.ca if you have any questions or feedback.

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Public Notice

Notice of study commencement

City of Guelph Water and Wastewater Servicing Master Plan Municipal Class Environmental Assessment update

We're updating our Water and Wastewater Servicing Master Plan

The City is updating its 2008 Water and Wastewater Servicing Master Plan (WWSMP) to ensure our water distribution and wastewater (sewer) collection infrastructure supports our growing community now and into the future.

The WWSMP is Guelph's plan to ensure the City continues to meet the needs of our growing community. The update will look at the City's current water and wastewater infrastructure and, taking Guelph's projected population growth into account, define needed increases to the system's capacity, identify technological advances and opportunities for improving efficiency and address changes in government legislation.

When complete—after the updated master plan is reviewed by the Guelph community and approved by Council—the plan will have identified constraints and opportunities related to Guelph's existing water and wastewater system. The plan will also have evaluated and prioritized individual projects to increase the capacity of our existing system.

We want to hear from you

Your feedback is an important part of the Water and Wastewater Servicing Master Plan update.

- **Attend our open houses and let us know what you think.** Our first open house will be scheduled early in 2020. Dates for this event will be posted at Guelph.ca/water
- **Read about our progress.** Project information will be posted on our project page found at Guelph.ca/water
- **Join our mailing list.** [Send us](#) your name and how you would like to be contacted (e.g., email or mail) and we will keep you informed.
- **Follow the conversation on [Twitter](#) and [Facebook](#).**

The Process

This study will be carried out according to the Municipal Engineers Association Municipal Class Environmental Assessment (2011, as amended), which is an approved Class of Environmental Assessment under the Environmental Assessment Act. Results from this study will be documented in an environmental assessment that will be made available for a public review period. At that time, residents, Indigenous communities and other interested persons or groups will be informed of when and where the environmental assessment can be reviewed.

Guelph's [master plans](#) assess the infrastructure we have to support today's services and decide what we'll need as our community grows. Master plans build on the goals and policies from the Official Plan to integrate existing and future land use plans, and define long-term objectives. Looking at the city as a

whole helps to evaluate options, consider a variety of perspectives, understand different outcomes, and make better decisions for Guelph's future.

For more information

Visit Guelph.ca/water for project information and updates.

To provide your comments, request more information, or if you require this notice to be provided in an alternative format as per the Accessibility for Ontarians with Disabilities Act (2005), please contact:

Arun Hindupur, M.Sc., P.Eng

Supervisor, Infrastructure Engineering
Engineering and Transportation Services
519-822-1260 extension 2282
Arun.hindupur@guelph.ca

Sam Ziemann, P.Eng.

Vice-President
C3 Water Inc.
519 772-9620 extension 295
Sam.ziemann@C3Water.ca

This notice was first issued on February 6, 2020.

From: [Benninger, Kyleigh](#)
To: Stacey.Laforme@mncfn.ca
Cc: Fawn.Sault@mncfn.ca; Reg.Russwurm@guelph.ca; "Samuel Ziemann"; [Telmosse, Marc](#)
Subject: RE: Water and Wastewater Servicing Master Plan Update - City of Guelph
Date: Friday, November 13, 2020 1:53:00 PM
Attachments: [FINAL_WaterMasterPlanJOINTNotice.pdf](#)

Good afternoon, Chief LaForme,

Please be advised that your previous contact for this project, Stephanie Bergman, is no longer working on this project. I have taken over her role on this project and look forward to working with you as the City of Guelph updates their Water and Wastewater Servicing Master Plan.

Please find attached a Notice for a Virtual Public Open House for the City of Guelph's Water and Wastewater Servicing Master Plan. The Notice and associated links are also available on the City's website, found [here](#). As mentioned in the Notice, the comment and viewing period for the Virtual Community Open House is open through to November 30. Given the slight delay in sending the information through to you in the transition between myself and Stephanie, please be assured that we will continue to welcome your comments beyond this date.

The City's Project Manager has also changed since you last received correspondence from the project team and is now Reg Russwurm (Reg.Russwurm@guelph.ca). Please do not hesitate to contact myself or Reg directly if you have any questions or additional feedback.

Kind regards,

Kyleigh

Kyleigh Benninger

Public Communications Coordinator

Mobile: 613 712-5039

Kyleigh.Benninger@stantec.com

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From: Bergman, Stephanie

Sent: Friday, February 14, 2020 9:57 AM

To: Stacey.Laforme@mncfn.ca

Cc: Fawn.Sault@mncfn.ca; Arun Hindupur <Arun.Hindupur@guelph.ca>; 'Samuel Ziemann' <sam.ziemann@c3water.com>; Eadie, Dave <Dave.Eadie@stantec.com>

Subject: Water and Wastewater Servicing Master Plan Update - City of Guelph

Dear Chief Stacey LaForme,

Please find attached an information letter and Notice of Commencement for the City of Guelph's Water and Wastewater Supply Master Plan. Please feel free to contact the City's Project Manager Arun Hindupur at Arun.Hindupur@guelph.ca if you have any questions or feedback.

Stephanie L Bergman MA

Planner, Community Development

Direct: 519-675-6614

Mobile: 519-852-8945

stephanie.bergman@stantec.com

Stantec

600-171 Queens Avenue

London ON N6A 5J7

From: Benninger, Kyleigh
To: consultation@metisnation.org
Cc: Reg.Russwurm@guelph.ca; [Samuel Ziemann](mailto:Samuel.Ziemann); Telmosse, Marc
Subject: Water and Wastewater Servicing Master Plan - City of Guelph
Date: Friday, November 13, 2020 1:50:00 PM
Attachments: [FINAL_WaterMasterPlanJOINTNotice.pdf](#)

Good afternoon,

Please be advised that your previous contact for this project, Stephanie Bergman, is no longer working on this project. I have taken over her role on this project and look forward to working with you as the City of Guelph updates their Water and Wastewater Servicing Master Plan.

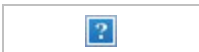
Please find attached a Notice for a Virtual Public Open House for the City of Guelph's Water and Wastewater Servicing Master Plan. The Notice and associated links are also available on the City's website, found [here](#). As mentioned in the Notice, the comment and viewing period for the Virtual Community Open House is open through to November 30. Given the slight delay in sending the information through to you in the transition between myself and Stephanie, please be assured that we will continue to welcome your comments beyond this date.

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Kyleigh

Kyleigh Benninger

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From: Bergman, Stephanie

Sent: Friday, February 14, 2020 10:01 AM

To: consultation@metisnation.org

Cc: Arun Hindupur <Arun.Hindupur@guelph.ca>; 'Samuel Ziemann' <sam.ziemann@c3water.com>; Eadie, Dave <Dave.Eadie@stantec.com>

Subject: Water and Wastewater Servicing Master Plan - City of Guelph

Dear Consultation Coordinator,

Please find attached an information letter and Notice of Commencement for the City of Guelph's Water and Wastewater Servicing Master Plan. Please feel free to contact the City's Project Manager Arun Hindupur at Arun.Hindupur@guelph.ca if you have any questions or feedback.

Stephanie L Bergman MA

Planner, Community Development
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stephanie.bergman@stantec.com
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Public Notice

Have your say on how the City manages all things water in Guelph

Join the conversation to help guide Guelph's four water-related master plans

October 28, 2020 – Guelph is a growing community and how the City manages water, in all its forms, is changing to adapt to our growing community. The City is updating four water-related master plans and invites Guelph residents to have their say through virtual community open houses, asking their questions, taking surveys and more starting today until November 30.

The water-related master plans cover:

- **[Wastewater treatment and biosolids management:](#)** how the City manages wastewater (what you flush down your sinks, drains and toilets) so it's sustainable, protects our waterways and the environment.
- **[Stormwater management:](#)** how the City manages stormwater run off (rain and melted snow) from your roofs and driveways, and from roads and sidewalks, to help prevent flooding and protect people and the environment.
- **[Water and wastewater servicing:](#)** how we build and take care of all the pipes that deliver your drinking water and take away what you flush.
- **[Water supply:](#)** where we get our drinking water. The Water Supply Master Plan received community feedback at an open house and survey which took place in February of 2020. Survey results and a master planning progress update is now available on the [project page](#). A second virtual open house will be held in 2021.

Get involved

Have your say and help shape long-term plans for your community by:

- **Visiting the [virtual open houses:](#)** attend each master plan's virtual open house to learn what each master plan aims to do, what challenges the City is facing and how it impacts you and the rest of our community.
- **Taking online surveys, asking questions and more:** you can answer survey questions, ask your own questions and share your ideas about the master plans by November 30.
- **Staying up to date on the City's master planning work:** master planning updates are shared through our project pages at haveyoursay.guelph.ca and guelph.ca/plans-and-strategies. You can also get updates and hear about future opportunities to get involved by joining the mailing list for the master plans that interest you.
- **Following the conversation on [Twitter](#) and [Facebook](#).**

The process

The Master Plans will be carried out according to the Municipal Engineers Association Municipal Class Environmental Assessment (2015, as amended), which is an approved Class of Environmental Assessment under the Environmental Assessment Act. Results from this Master Plan will be documented in an environmental assessment that will be made available for public review. At that time, residents, businesses, Indigenous communities and other interested persons or groups will be informed of when and where the environmental assessment can be reviewed.

About the City's different master plans

The City's [master plans](#) assess the infrastructure we have to support today's services and decide what we'll need as our community grows. Our master plans build on the goals and policies from the Official Plan to integrate existing and future land use plans, and define long-term objectives. Looking at the city as a whole helps to evaluate options, consider a variety of perspectives, understand different outcomes, and make better decisions for a future ready Guelph.

For more information

Wastewater Treatment and Biosolids Management Master Plan

Mari MacNeil, Manager of Technical Services
Wastewater Services, Environmental Services
519-822-1260 extension 2284
mari.macneil@guelph.ca

Stormwater Management Master Plan and the Water and Wastewater Servicing Master Plan

Reg Russwurm, Manager Design and Construction
Engineering and Transportation Services
519-822-1260 extension 2765
reg.russwurm@guelph.ca

Water Supply Master Plan

Dave Belanger, Water Supply Program Manager
Water Services, Environmental Services
519-822-1260 extension 2186
Dave.Belanger@guelph.ca

From: [Colleen Gammie](#)
To: [Abby LaForme](#)
Cc: [Leslie Muñoz](#); [Stephanie Bryenton](#)
Subject: Guelph Water and Wastewater Servicing Master Plan - Project Update
Attachments: [2022-10-31 Guelph WWW MP Update Letter_MCFN.pdf](#)
[Oct 6 - Engineering Water Master Plans Meeting Minutes_MCFN.pdf](#)
[Briefing Note for MCFN Mtg_SWM and WWW Servicing MPs.pdf](#)

Dear Abby LaForme,

Please find attached a Project Update Letter for the City's Water and Wastewater Servicing Master Plan. The purpose of this letter is to provide you with an update on the project, share available project materials, and invite feedback. The City met with representatives from Mississaugas of the New Credit First Nation in October 2021 to discuss this project, as well as the Stormwater Management Master Plan as part of our consolidated Water-Related Master Plans discussions. The Meeting Minutes and Briefing Note from that meeting are attached as well, for context. Please feel free to contact me (the City's Project Manager for this assignment) if you have any questions, feedback, or would like to set up a meeting to discuss anything further.

Thank you,

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph
519-822-1260 extension 2282
Mobile 226-332-4693
colleen.gammie@guelph.ca

guelph.ca

October 31st, 2022

Abby LaForme
Consultation Coordinator, Department of Consultation and Accommodation
Mississaugas of the Credit First Nation
4065 Highway 6
Hagersville, ON N0A 1H0

Dear Abby LaForme,

RE: Municipal Class Environmental Assessment for the City of Guelph's Water and Wastewater Servicing Master Plan

The City initiated the Water and Wastewater Servicing Master Plan (W/WW MP) update project in 2020.

The purpose of the W/WW MP is to ensure that Guelph's water and wastewater infrastructure support existing needs and the community's growth. This study will identify need for increases in system capacity, potential technological advances, changes to government legislation and opportunities to improve efficiency. Identifying these needs will help the City evaluate and prioritize individual projects to increase capacity in the existing system.

The update to the W/WW MMP is being completed according to the Municipal Engineers Association Municipal Class Environmental Assessment (as amended 2011, 2015), which is an approved Class of Environmental Assessment under Ontario's Environmental Assessment Act.

A Notice of Study Commencement was shared in January 2020. At this time, the City is nearing completion of the technical work to inform the Project File. More information about the project can be found on the City's project website:
<https://guelph.ca/plans-and-strategies/water-and-wastewater-servicing-master-plan/>

The City will be hosting our second Public Open House on November 29th, 2022 to present the work done to date, with a focus on the evaluated alternative solutions and preferred alternative, in accordance with the Class EA process. At this time, we also wanted to extend an invitation to Mississaugas of the Credit First Nation to review materials and provide feedback. We are happy to set up a meeting if that would be a more productive platform to provide an update and collect feedback.

The project is currently scheduled to be brought to Guelph City Council in the spring of 2023, with filing of the Project File with the Ministry of Environment, Conservation, and Parks following shortly after.

City Hall
1 Carden St
Guelph, ON
Canada
N1H 3A1

T 519-822-1260
TTY 519-826-9771

guelph.ca

Abby LaForme
October 31st, 2022
Page 2 of 2

Sincerely,

A handwritten signature in grey ink that reads "Colleen Gammie". The signature is fluid and cursive, with the first name "Colleen" being larger and more prominent than the last name "Gammie".

Colleen Gammie, P. Eng, PMP, Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
Location: 1 Carden Street, Guelph, ON, N1H 3A1

T **519-8221260 x 2282**
E **colleen.gammie@guelph.ca**

C Leslie Muñoz, Stephanie Bryenton

Guelph's Stormwater Management and Water/Wastewater Servicing Master Plans – A Briefing Note for Mississaugas of the Credit First Nation

October 1st, 2021

Introduction

The City of Guelph (the City) is a growing and diverse municipality of 130,000+ residents situated on Between the Lakes Treaty No. 3 (1792) territory in the heart of southwestern Ontario's innovation corridor. We acknowledge that we are on the treaty lands and territory of the Mississaugas of the Credit First Nation of the Anishnabek and neighboring the lands of the Haldimand Tract and traditional territory granted to the Six Nations of the Grand River of the Haudenosaunee. The City of Guelph takes pride in stewarding the land on which we live and work. We are committed to respectful and meaningful engagement with the Mississaugas of the Credit First Nation (MCFN) with the aim of protecting our environment for generations to come. Recognizing the history of the land our City is situated on, the City is also committed to working collaboratively to protect and preserve cultural or archaeological materials of interest to MCFN that may be found in our municipality.

This briefing note provides a high-level overview of Guelph's Stormwater Management Master Plan (SWM MP) and Water and Wastewater Servicing MP (W/WW MP) updates. We hope it will be useful in explaining our initiatives to MCFN and in facilitating meaningful engagement. Your participation will be helpful in ensuring our SWM MP and W/WW MP updates are a success and that your input is reflected in the planning of our stormwater management and servicing strategies at this early stage.

About the Water and Wastewater Servicing Master Plan

The Water and Wastewater Servicing MP is a Municipal Class Environmental Assessment Master Plan. It must fulfill the Phase 1 (problem statement and opportunities) and Phase 2 (develop and evaluate alternatives) requirements of the EA process.

Water Servicing in Guelph: When studying water servicing infrastructure, there are two main criteria:

- Water pressure: ensure that all of our residents and commercial/industrial buildings have adequate water pressure
- Fire protection: ensure that there is adequate water flow available in the system to support fire protection measures

Wastewater Servicing in Guelph: When studying wastewater infrastructure, there is one main criteria:

- Sanitary servicing capacity: ensure that there is adequate capacity in the system to prevent surcharging (water level rising above the top of the sewer) during a modelled storm event

In light of the above, the purpose of the W/WW MP is to:

- Update the City's models to reflect the current existing conditions
- Evaluate where the existing system is not currently meeting levels of service
- Evaluate where system improvements are required to support future growth
- Prepare and evaluate alternate solutions to overcome existing and future servicing shortfalls
- Prepare an implementation plan to prioritize critical projects and assess the capital and staff resource requirements

The W/WW MP team has completed gathering the background data and updating/calibrating the models based on available field data. An assessment of servicing gaps to serve the existing condition has been completed. Upon receipt of future growth locations and densities as a result of the Growth Plan project, the future requirements will be established and alternate solutions will be developed for evaluation.

Where to look: For more information on our existing water and wastewater servicing systems, and the study, please visit our [Have Your Say page](#) and our [Virtual Open House storyboards](#).

About the Stormwater Management Master Plan

The Stormwater Management MP is a Municipal Class Environmental Assessment Master Plan. It must fulfill the Phase 1 (problem statement and opportunities) and Phase 2 (develop and evaluate alternatives) requires of the EA process.

Stormwater Management in Guelph: In Guelph, we look at the following aspects of stormwater management:

- Water quantity: how we manage the volume of rain runoff during and after a rain event
- Water quality: how we manage the quality of runoff before it is discharged to our rivers, wetlands, and ponds
- Water balance: how we direct water back into the ground or collect it for re-use based on Source Water Protection policies
- Erosion: how we manage the routes of water to control impact to existing built and natural environment

In light of the above, the purpose of the SWM MP is to:

- Update the City's models to reflect the current existing conditions
- Evaluate the City's current stormwater management design criteria for water quantity, quality, infiltration, and erosion and provide policy for updates based on Source Water Protection policies and climate change analysis
- Evaluate where the existing system is not currently meeting levels of service and make recommendations for:
 - New water quantity or quality facilities

- New linear piped infrastructure
- Target areas for low impact development measures
- Evaluate watershed and watercourse health and make recommendations for:
 - New or retrofit water quality controls
 - Stream channel restoration work (i.e. repair of retaining walls, outfalls, pipes crossing channels)
- Evaluate where system improvements are required to support future growth
- Prepare and evaluate alternate solutions to overcome existing and future servicing shortfalls
- Prepare an implementation plan to prioritize critical projects and assess the capital and staff resource requirements

The SWM MP team has collected and reviewed field data and completed desktop studies of available inputs. Draft assessments of existing ponds, creek erosion, and oil/grit separator units have been completed. Next steps include modelling work to assess the existing condition and future condition(s), including climate change impacts as well as sensitivity analyses for the infiltration policy requirements and design criteria.

Where to look: For more information on our existing stormwater management systems and the study, please visit our [Have Your Say page](#) and our [Virtual Open House storyboards](#).

Questions from Mississaugas of the Credit First Nation

Water Balance

What is the City doing to ensure the groundwater adequately charges?

Water Balance is very important to the City of Guelph as it impacts our drinking water supply and our natural heritage system. Currently, there are several mechanisms that allow us to ensure groundwater adequately charges.

There are several subwatershed studies within Guelph's boundary that dictate water balance requirements. When a change in land cover/use is proposed, the City requires those water balance targets to be met. Some studies we have are for creeks (Hanlon Creek, Torrance Creek), and some are for specific areas (Clair-Maltby, Guelph Innovation District, Downtown).

Some areas of Guelph don't have a subwatershed study and the City is working on filling those gaps. In the meantime, in order to ensure groundwater recharge as our City continues to grow, the City has a requirement to maintain the water balance from pre-development condition to post-development condition. This is often done through a series of green infrastructure measures on site.

Further, the City is also creating policy to ensure the quality of water recharging our groundwater is considered. Part of the SWM MP is to develop an infiltration policy that has not been previously established in the City of Guelph – this policy will establish locations where infiltration is not acceptable considering well-head protection vulnerability, and nitrate and trichloroethylene contributing areas. This policy will direct both municipal and private lands to infiltrate as much clean water

as possible through use of green roofs and other LID features, and to protect our drinking water supply and groundwater from road salts, silts, and other pollutants.

Green Infrastructure

General interest in rain gardens, other natural approaches to storm water management.

Rain gardens are certainly one type of green infrastructure that can be implemented in the City. Other approaches include infiltration galleries, swales, bioretention cells, and wet and dry stormwater management facilities (commonly referred to as ponds).

The Infiltration Policy that is being developed as part of the SWM MP will help guide users on where it is appropriate to implement each type of green infrastructure.

The City largely sees these stormwater management tools implemented when there is a development application for a change in the land cover/use. However, the City of Guelph also has a stormwater credit program, where industrial, commercial, institutional and multi-residential properties (more than six units) can apply for a credit to their stormwater service fee if they implement on-site measures. Existing property owners are eligible to apply for a credit when implementing green infrastructure that helps with peak flow reduction, water quality, and runoff volume. This could include rain gardens as well as other green infrastructure.

Other Potential Areas of Interest

Water & Wastewater Servicing Risk Mitigation

Part of the W/WW MP is to ensure that our existing and proposed services aren't under strain. In assessing the needs for upsizing or new services, we are protecting our existing assets and helping mitigate the risk of chlorinated drinking water and untreated wastewater from leaking into the ground, which could occur should a watermain break or sewer joint failure occur.

Watercourse Crossings

There are several water and wastewater servicing pipes that cross watercourses across the City. Part of the W/WW MP will look at removing / abandoning unnecessary infrastructure that crosses watercourses. It may also identify new works that have an alignment crossing watercourses.

Subwatershed Health

Part of the SWM MP is to assess existing subwatershed health using the following metrics:

- Terrestrial health – wetland habitat, riparian habitat, forest habitat, grassland, natural cover
- Stormwater management – quantity and quality control, impervious surface, urban flooding
- Water quality – water quality parameters exceeding guidance, trends
- Stream health – erosion issues, physical aquatic habitat conditions, riparian habitat conditions

- Aquatic health – species richness, habitat sensitivity

The results of these assessments will be used to help prioritize recommended works. For example, in a subwatershed where there are no or minimal water quality control measures, a new quality control facility may be prioritized for that location in order to improve the quality of water entering receivers (wetlands, natural environment, rivers).

Impact to Cultural Heritage and Archeological Resources

Both MPs are high level and include policies and roadmaps for future study, design and construction works. As part of these MPs, the City will not be undertaking any archeological or cultural heritage studies. Impacts from capital projects outlined in the MPs will be identified through Schedule C Environmental Assessments or during preliminary / detailed design work. The City is committed to working collaboratively with MCFN to protect cultural heritage and archaeological resources of interest that are identified through the implementation of projects in the MPs.

Consultation and Next Steps

The next phase of the MPs involves developing and evaluating alternative solutions. The preferred alternative, as well as the evaluation criteria and process, will then be presented to stakeholders and the public. We would be happy to engage with MCFN again after we have passed that milestone to present the preferred stormwater management and water and wastewater servicing strategies.

As well, the City will be applying to Infrastructure Canada's Disaster Mitigation and Adaptation Fund for funding to implement numerous projects identified in the 2012 Stormwater Management Plan, the 2020 Downtown Servicing Study and in the current MP update currently underway. We will keep MCFN informed about this grant application. Our objective is to secure federal funding to implement priority projects to protect our community from flooding and other severe weather events.

From: [Fawn Sault](#)
To: [Leslie Muñoz](#)
Cc: [Colleen Gammie](#)
Subject: RE: MCFN Meeting Materials - Engineering Water Master Plans
Date: Tuesday, October 5, 2021 10:36:15 AM

[EXTERNAL EMAIL] Do not click links or attachments unless you recognize the sender and know the content is safe.

Miigwech Leslie

From: Leslie Muñoz <Leslie.Munoz@guelph.ca>
Sent: Monday, October 4, 2021 12:36 PM
To: Fawn Sault <Fawn.Sault@mncfn.ca>
Cc: Colleen Gammie <Colleen.Gammie@guelph.ca>
Subject: MCFN Meeting Materials - Engineering Water Master Plans

Hi Fawn,

Lots of tech difficulties today so I haven't been able to update the calendar invites with meeting materials for the two meetings we have set up for later this week – sorry about that!

In lieu of updating the calendar, please find the meeting materials for the meeting with the City's engineering team below. Colleen cc'd is also able to answer any questions you might have in advance. Materials for the City's stormwater management plan and the wastewater servicing master plan should be there.

<https://www.dropbox.com/sh/8ettc4oeousgcr1/AAD8u8JlHPfp06JXokbzBeQda?dl=0>

I'll send you another email shortly with materials for the meeting with the City's environmental services team.

L

Leslie Muñoz (they/them), Manager, Policy and Intergovernmental Relations
Strategy, Innovation and Intergovernmental Services, **Office of the Chief Administrative Officer**

City of Guelph

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[@cityofguelph](https://www.instagram.com/cityofguelph)

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City of Guelph and Mississaugas of the Credit First Nation Engineering Water Master Plans Meeting Mississaugas of the Credit First Nation

Date: Wednesday, October 6, 2021

Location: WebEx

Time: 11:00 a.m.

Hosts: City of Guelph: Leslie Muñoz, Reg Russwurm, Colleen Gammie, Terry Gayman, Kelly Guthrie, Marina Grassi, Bibiana Bartokova

Attendees: Mississaugas of the Credit First Nation: Fawn Sault, Hilary Chamberlin

Meeting Minutes

Leslie oversaw everyone's introductions, thanked the representatives of the Six Nations of the Grand River for their willingness to meet.

1. Overview of the Water/ Wastewater Servicing & Stormwater Management Master Plan Update

Colleen began the presentation by introducing the Water/Wastewater Servicing and Stormwater Management Master Plan Update. Colleen provided an agenda of the main topics for discussion.

Colleen explained the Master Plan process overview. The Water/Wastewater Servicing and Stormwater Management Master Plan is in accordance with both a Master Plan Environmental Assessment and a Municipal Class Environmental Assessment Schedule B study. The Municipal Class Environmental Assessment includes the following:

- Problem/ Opportunity Statement
- Alternative Solutions to the Problem
- Evaluation and Recommendation of Preferred Solution
- Implementation Strategy and Future Projects

Colleen stated that a process of Municipal Class Environmental Assessment involves consultation and the discussion and involvement of the Mississaugas of the Credit First Nations is a part of said consultation.

Colleen presented a schedule and identified the key milestone of the Master Plan. At the current stage, the City is evaluating alternatives and choosing a preferred solution.

Colleen proceeded to provide details of the Water/wastewater Servicing Master Plan. The goal of the Master Plan is to identify servicing requirements within existing service areas as well as growth areas to 2051. The Master Plan shall also,

consider the impact of population and employment growth up to 2051, further the City's focus to become a Smart City and consider the use of innovative technologies for improved water and wastewater level of service.

Colleen displayed two maps that showed the three pressure zones within the City of Guelph as well as the City's wastewater sewer sheds. Colleen identified that pumping stations, force mains, gravity sewers, sewer sheds and treatment facilities are the type of infrastructure shown on the wastewater sewer sheds map. That type of infrastructure is the focus of the Master Plan.

Colleen continued to speak about what has been done so far regarding the Master Plan. Colleen listed that the City has done the following:

- Updated wastewater model
- Updated water model
- Calibrated both models
- Identified capacity constraints

Colleen further stated the City had conducted a survey and received 26 responses from community stakeholders. The results of the survey showed that the majority of the participants did not experience any major issues regarding water/wastewater services. A few participants stated that they experience some sewer blockages due to freezing. Colleen further mentioned that there was no indication of basement and blockage flooding problems.

Colleen continued the presentation by discussing the City's next steps in regard to the Master Plan. The City will run models based on growth scenarios to see what servicing needs will be required. Furthermore, the City will identify where their assets are reaching end of service life and require replacement. An implementation plan will be prepared and alternative solutions shall be evaluated for servicing shortfalls.

Colleen mentioned some potential areas of environmental concerns. Colleen stated the City wants to remove old pipes that go across the river, and re-rout them to go underground. This upgrade will reduce risks of spills in to the natural environment and reduce the infiltration of clean water into sewers.

To conclude Colleen asked if there were any question. Fawn, Hilary and the remaining hosts and attendees did not have any questions.

2. Overview of the Stormwater Management Master Plan Update

Colleen started the presentation by introducing the Stormwater Management Master Plan. Colleen stated that the Master Plan is a long-term plan on how the City will manage stormwater over the course of the next 25 years.

The purpose of the Master Plan is to:

1. Ensure Guelph manages stormwater to help sustainably protect Guelph's water supply and the environment.

2. Address issues like flood control, maintaining the quality of Guelph's local waterways (rivers, lakes and streams) and drinking water supply (groundwater), the overall environment and maintaining local water balance.
3. Assess the infrastructure we have to support City services today, and determine what is needed in Guelph's future.

Colleen identified the goals of this project, which are to identify, protect and enhance natural features, ecological functions and biophysical integrity, and to identify and prioritize future infrastructure projects.

Colleen described provided some stormwater details related to the City. Colleen stated that there are 9 sub-watersheds that make up 89 km of water courses. The City also has 121 stormwater management facilities and some are used for either quantity or quality control. The City also is made up of valleylands, wetlands and woodlands.

Colleen identified management criteria that is used to evaluate each project against. The criteria are the following:

- Quantity
- Quality
- Water balance
- Erosion
- Thermal

Colleen proceeded to provide an explanation of the meaning of water balance. Water balance needs to be maintained by assuring that infiltration criteria remains the same between pre-development and post-development.

Colleen described the primary management practices that are required when working with stormwater. The management practices are the following:

- Source control (capture and treat at source)
- Conveyance control (ditches, pipes, swales)
- End of Pipe (stormwater management facility)
- Environmental Restoration (drain pipe restoration, planting trees to slow runoff, stream temperature)
- Operation and maintenance (salt management program, street sweeping, improving system functions such as debris removal and flushing)

Colleen further identified key tasks within the program. A rainfall analysis and IDF curve update is conducted, using rain data from over 50 years of studies as well as climate change data. This allows the City to ensure that they are ready for the future. Next Colleen stated that current stormwater management facilities have and will be assessed to see if they are meeting requirements. New quantity and quality control facilities and their locations will be determined. In terms of watercourse erosion, the City has prioritized areas that will require treatment. The City is also assessing sub watershed health, which looks at quality, quantity and erosion within the sub watershed.

Colleen continued to speak about infiltration and mentioned that an infiltration policy is being developed in combination with the GRCA Source Water Protection Policy. The goal is to infiltrate clean water and set policies to manage infiltration of salt-laden water and run off from high-risk activities as well as create a framework for low impact development. A draft form is currently in place. Colleen stated that the City is also looking to update its design criteria and set targets for water quantity, quality, balance, and erosion within the existing watershed.

Colleen outlined what has been done in relation to the Master Plan. Field Assessments and Desktop Studies of Guelph's existing system and a preliminary assessment of the City's future needs have been done. The City has drafted policies and created a model of the existing system for future use.

Colleen stated that a survey was conducted and the City received 20 responses from stakeholders. The results showed that they were all relatively well informed about stream and river quality and support future improvements.

Colleen provided details of the City's future plans in relation to this project. The City will run the model for existing and future conditions. They will also identify stormwater management system component shortfalls and evaluate the alternative solutions for the identified shortfalls. The City will also prepare an implementation plan for future capital studies and construction works.

4. Stormwater Management Master Plan Update Discussion

Colleen concluded the presentation by asking participants if there were any questions.

Leslie added a final comment and stated that there is currently a grant application underway to be submitted to Infrastructure Canada to fund the implementation of outstanding priority infrastructure projects from the 2012 Stormwater Management Master Plan. Leslie offered to send a high-level description of the project to be pitched for Disaster Mitigation and Adaptation Fund (DMAF) funding to Fawn.

Fawn asked: will the application include any new infrastructure or developments?

Colleen responded by stating that the DMAF application is targeting outstanding projects from the 2012 Master Plan. This includes some upgrades and replacements of existing assets/corridors but also new stormwater management facility locations.

Fawn stated that she wants the Mississaugas of the Credit First Nation to be involved in projects that have archeological assessments and are breaking ground. Fawn also mentioned she likes the green infrastructure that is being implemented in the Master Plan and that it looks good. Leslie indicated that they will keep Fawn in the loop on the progress of the City's grant application.

5. Next Steps

Leslie asked Fawn how she and the Mississaugas of the Credit First Nation would like to continue to be engaged. Leslie explained that there are some other

engagement periods for the Master Plan, and asked if Fawn would like to schedule something at the next engagement phase, in the first quarter of next year.

Fawn stated that she would like to meet during the engagement phase and be provided a yearly update on how and where the Master Plan is going.

From: [Gazibara, Nevena](#)
To: [Thornton, Cathy](#)
Subject: FW: Guelph Master Plans - MCFN and SN Meeting Invitations
Date: Friday, March 17, 2023 9:43:48 AM
Attachments: [RE MCFN Meeting Materials - Engineering Water Master Plans.msg](#)

FYI

From: Colleen Gammie <Colleen.Gammie@guelph.ca>
Sent: Friday, March 17, 2023 9:31 AM
Subject: Guelph Master Plans - MCFN and SN Meeting Invitations

Hi,

Apologies for the multiple emails on this. In the past, MECP has looked for every single piece of correspondence between the City and Indigenous parties so I'm looking to provide that now. We can add these meeting invites to our logs (invite sent by Tanya and Leslie below) and I've attached another e-mail from Leslie to MCFN. I'm working to get access to any additional back and forth around these meetings to share with you.

Thanks,
Colleen

Meeting invitation for MCFN:

-----Original Appointment-----

From: Tanya Pacheco-Silva <Tanya.Pacheco-Silva@guelph.ca>
Sent: Thursday, September 9, 2021 10:50 AM
To: Tanya Pacheco-Silva; Reg Russwurm; Colleen Gammie; Terry Gayman; Leslie Muñoz; 'Fawn.Sault@mncfn.ca'
Cc: Kelly Guthrie; Marina Grassi
Subject: COG/MCFN Engineering Water Master Plans Meeting
When: Wednesday, October 6, 2021 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: webex details below

-- Do not delete or change any of the following text. --

When it's time, join your Webex meeting here.

[Join meeting](#)

More ways to join:

Join from the meeting link

<https://guelph.webex.com/guelph/j.php?MTID=mbf7af1b9b12cb0232fc29435a1fa51e8>

Join by meeting number

Meeting number (access code): 2339 177 5123

Meeting password: ezHVHeWx386

Tap to join from a mobile device (attendees only)

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[+1-613-714-9906..23391775123###](tel:+1613714990623391775123###) Canada Toll (Ottawa)

Join by phone

+1-416-216-5643 Canada Toll (Toronto)

+1-613-714-9906 Canada Toll (Ottawa)

[Global call-in numbers](#)

Join from a video system or application

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You can also dial 173.243.2.68 and enter your meeting number.

Join using Microsoft Lync or Microsoft Skype for Business

Dial [23391775123.guelph@lync.webex.com](tel:23391775123.guelph@lync.webex.com)

If you are a host, [click here](#) to view host information.

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Meeting Invite for SN Meeting:

-----Original Appointment-----

From: Leslie Muñoz Leslie.Munoz@guelph.ca

Sent: Tuesday, June 8, 2021 4:19 PM

To: Leslie Muñoz; Colleen Gammie; Reg Russwurm; Marina Grassi; Kelly Guthrie; Robin Vanstone

Cc: Terry Gayman; Bethany Wakefield; Dawn Russell; Lonny Bomberry; Mohsin Talpur; Eadie, Dave;
denich.c@aquaforbeech.com

Subject: Guelph Engineering Services Water Master Plans MTG with SN

When: Thursday, July 8, 2021 3:00 PM-4:30 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Microsoft Teams Meeting

Updating with meeting materials – please reach out if any questions in advance.

Hi,

To discuss the Stormwater Master Plan and the Water and Wastewater Servicing Master Plan. The City will provide Six Nations with materials in advance.

L

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

[Learn More](#) | [Meeting options](#)

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph

519-822-1260 extension 2282

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Water / Wastewater Servicing & Stormwater Management Master Plan Update

City of Guelph & Mississaugas of the
Credit First Nations

October 6th, 2021

Agenda

- Introductions
- Master Plan Process Overview
- Water / Wastewater Servicing Master Plan
- Stormwater Management Master Plan
- Discussion

Key City Representatives

Leslie Muñoz – Manager, Policy and Intergovernmental Relations

Colleen Gammie – Project Manager

Reg Russwurm – Manager, Design and Construction Services

Terry Gayman – General Manager / City Engineer

Kelly Guthrie – Community Engagement Specialist

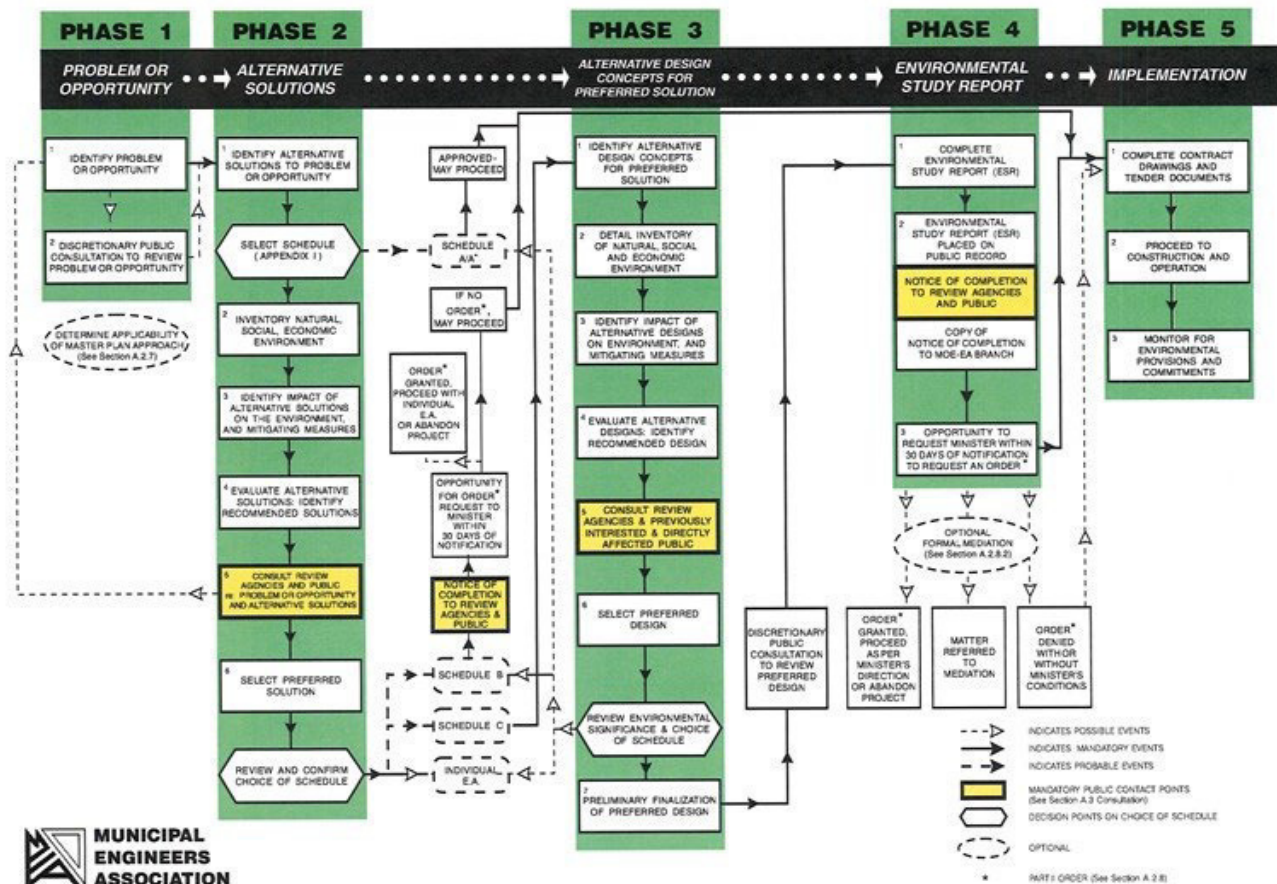
Marina Grassi – Manager, Master Plan Alignment

Master Plan Process Overview

- Master Plan Environmental Assessment
- Municipal Class Environmental Assessment (MCEA), Schedule B study
 - Problem / Opportunity Statement
 - Alternative Solutions to the Problem
 - Evaluation and Recommendation of Preferred Solution
 - Implementation Strategy & Future Projects

MCEA Process

NOTE: This flow chart is to be read in conjunction with Part A of the Municipal Class EA



Master Plan Key Milestones

WE ARE HERE

- Q1 2020 – Notice of Study Commencement
- Q3/4 2020 – Public Engagement Opportunity #1
- Evaluation of Alternatives & Preferred Solution
- Q1 2022 – Public Engagement Opportunity #2
- Q2/3 2022 – Study Completion

Water / Wastewater Servicing Master Plan

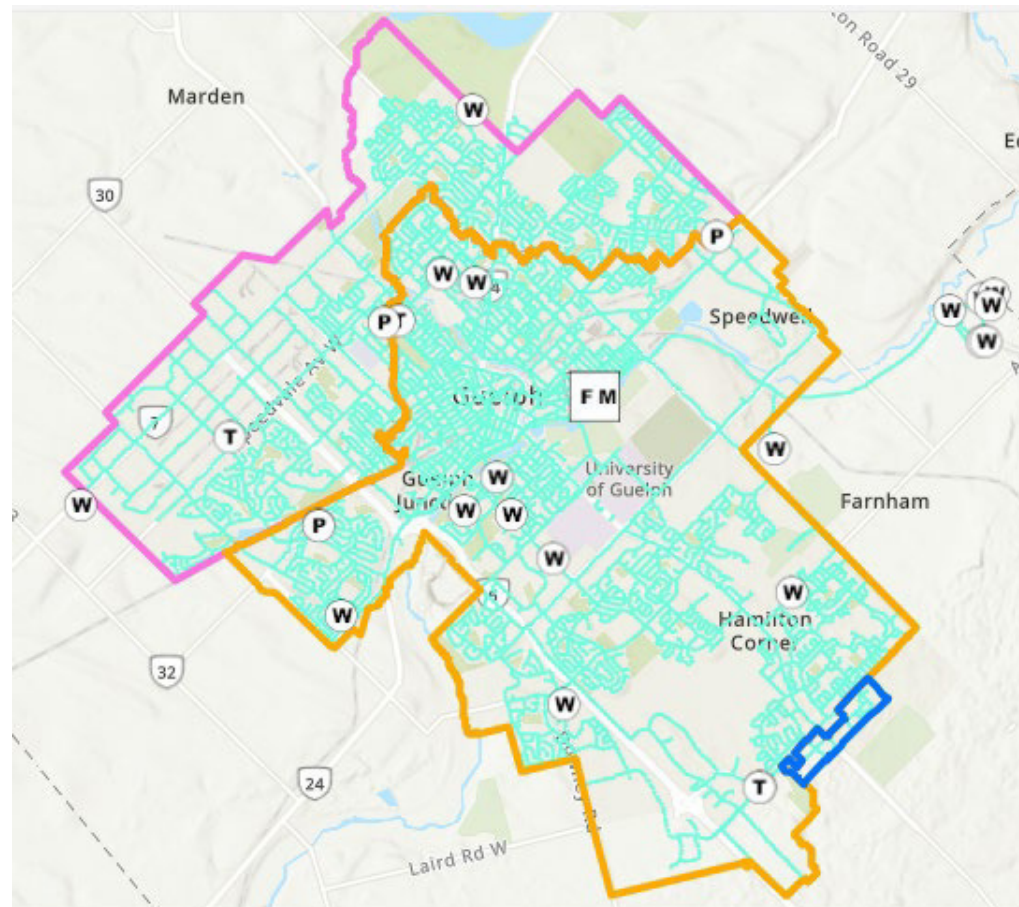
- Project Purpose:

“It’s been over 10 years since the Master Plan was completed. We’re updating it to identify servicing requirements for existing service areas and growth areas to 2041/2051. The Master Plan will also:

- Consider the impact of population and employment growth to 2051
- Further the City’s focus to become a Smart City
- Consider the use of innovative technologies for improved water and wastewater level of service”

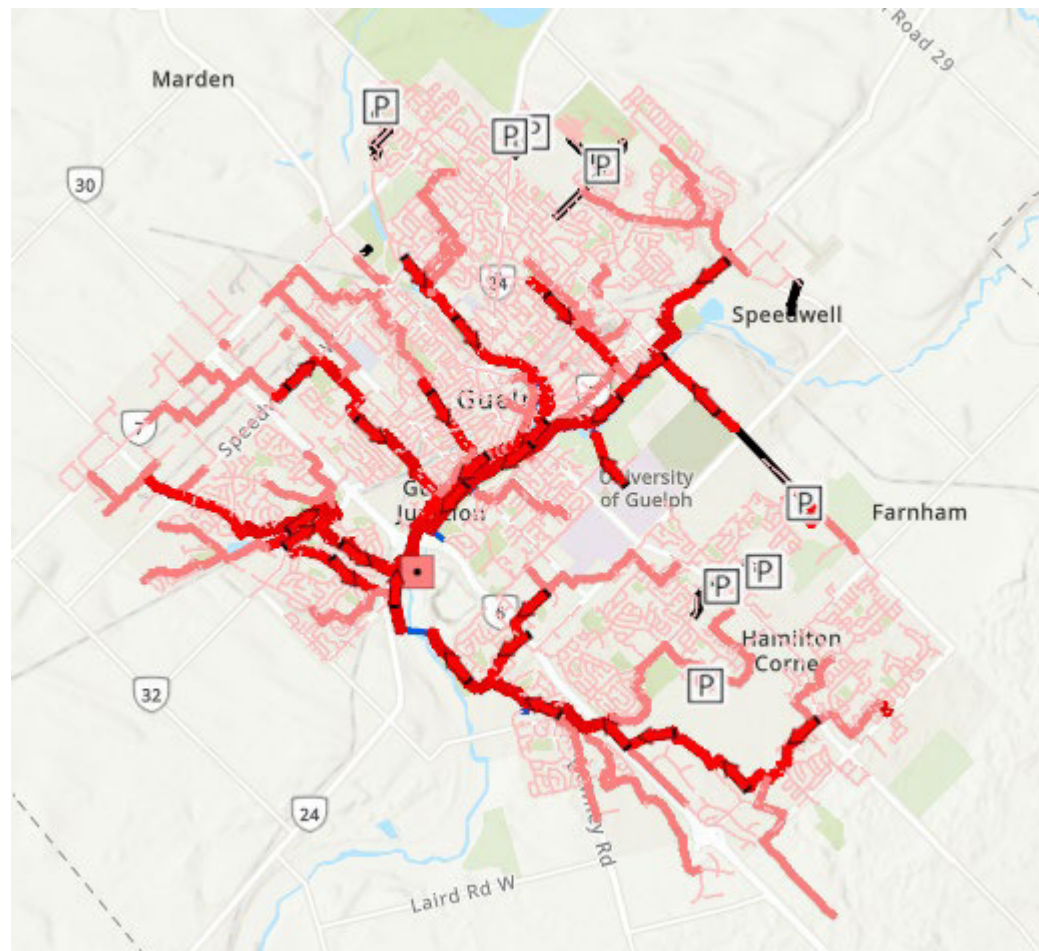
Water / Wastewater Servicing Master Plan

- 3 Zones
- Groundwater supply (See Water Supply MP)
- Wells, **pumps, storage reservoirs, treatment facilities, watermains**



Water / Wastewater Servicing Master Plan

- Sewersheds
- Wastewater treatment plant, **pumping stations, forcemains and gravity sewers**
- Treated effluent to Speed River (see Wastewater Treatment MP)



Water / Wastewater Servicing Master Plan

- What have we done so far?
 - Updated the wastewater model
 - Updated the water model
 - Calibrated both models
 - Identified capacity constraints

Water / Wastewater Servicing Master Plan

- What have we heard from stakeholders?
 - 26 responses to survey
 - Majority not experiencing issues with water/wastewater services to their homes
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- What's next?
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Water / Wastewater Servicing Master Plan

- Relation to environment / rivers?
 - Remove sanitary sewers within rivers
 - Reduce risk of spills to natural environment
 - Reduce infiltration of clean water into sewers

Water / Wastewater Servicing Master Plan

- Questions on servicing?

Stormwater Management Master Plan

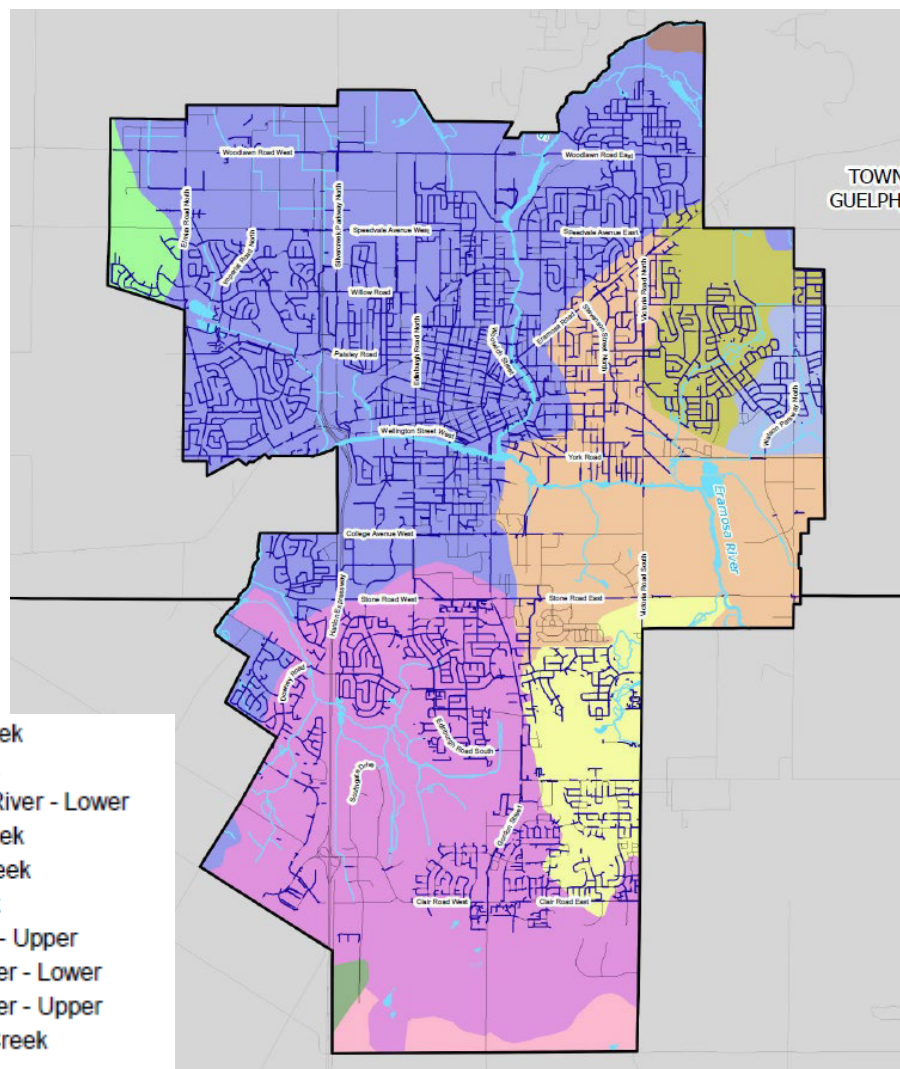
- **Project Purpose:**
 - ensure we manage stormwater to help protect Guelph's water supply and the environment
 - address issues like flood control, maintaining the quality of our local waterways (rivers, lakes and streams) and drinking water supply (groundwater), the overall environment and maintaining local water balance
 - assess the infrastructure we have to support City services today, and determine what is needed in Guelph's future

Stormwater Management Master Plan

- **Project Goals:**
 - Identify, protect and enhance natural features, ecological functions and biophysical integrity.
 - Identify and prioritize future infrastructure projects

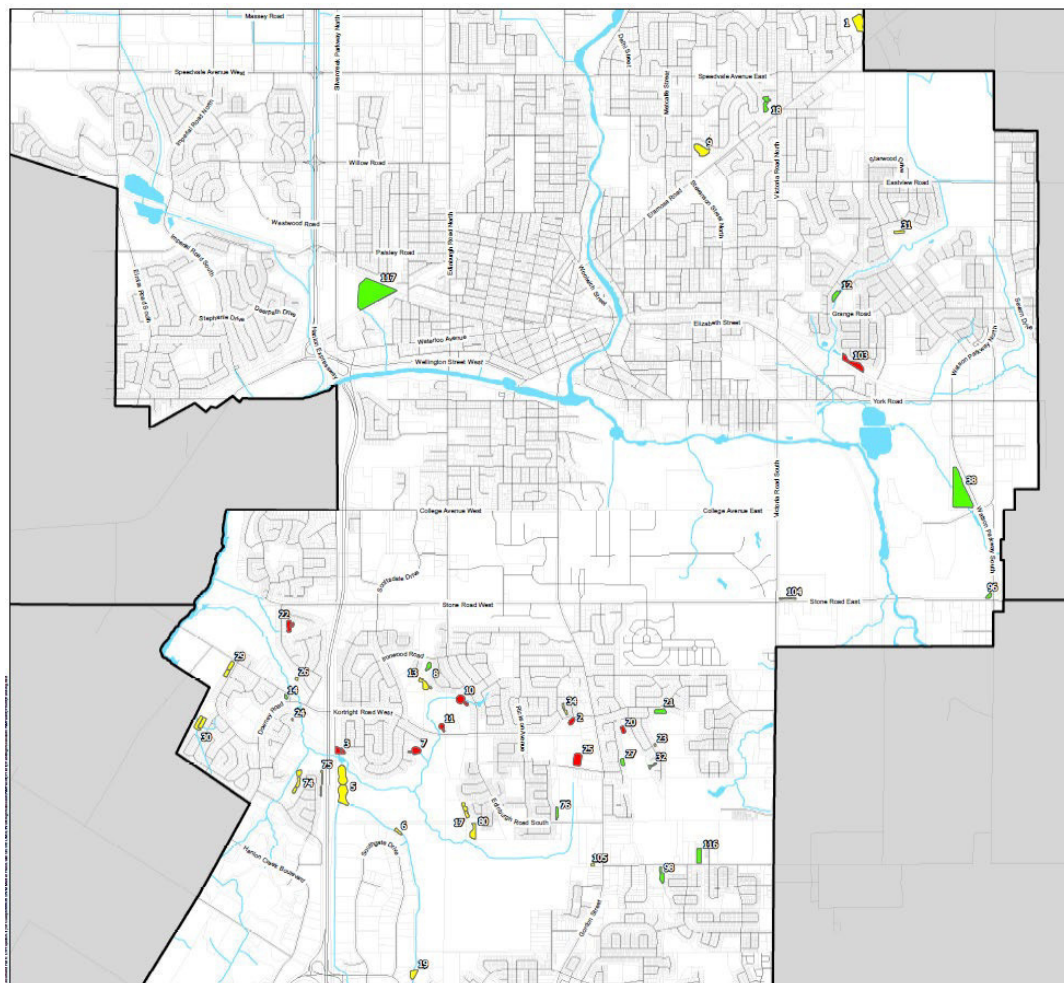
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- Grand River Watershed
- 9 subwatersheds
- 89km of watercourses



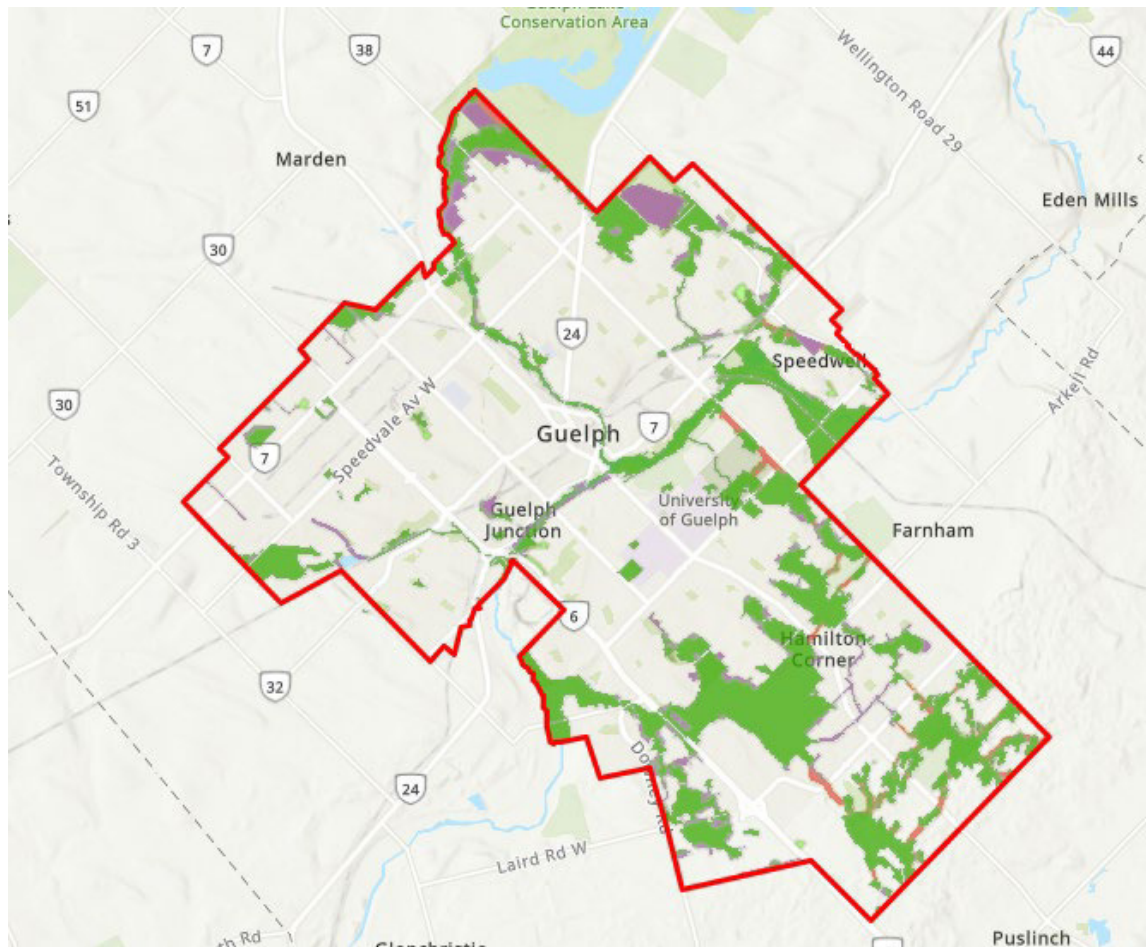
Stormwater Management Master Plan

- 121 stormwater management facilities
- 136 OGS units



Stormwater Management Master Plan

- Valleylands
- Wetlands
- Woodlands

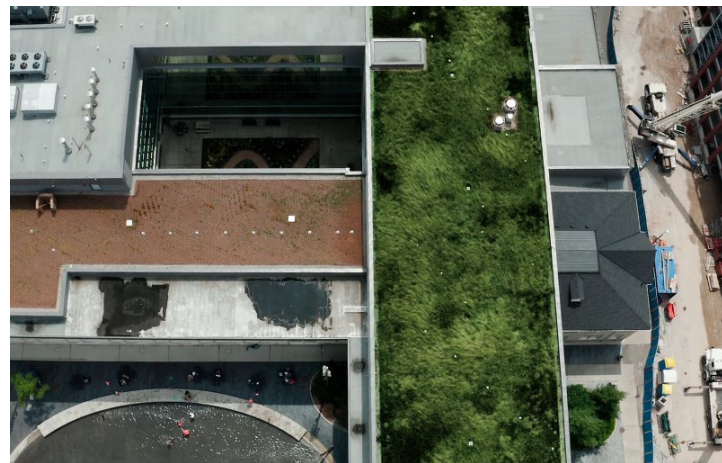


Stormwater Management Master Plan

- Management Criteria:
 - Water Quantity
 - Water Quality
 - Water Balance (Infiltration, Reuse)
 - Erosion
 - Thermal

Stormwater Management Master Plan

- Management Practices:
 - Source Control
 - Conveyance control
 - End-of-pipe measures



Stormwater Management Master Plan

- Management Practices:
 - Environmental Restoration
 - Pollution prevention
 - Operation & maintenance

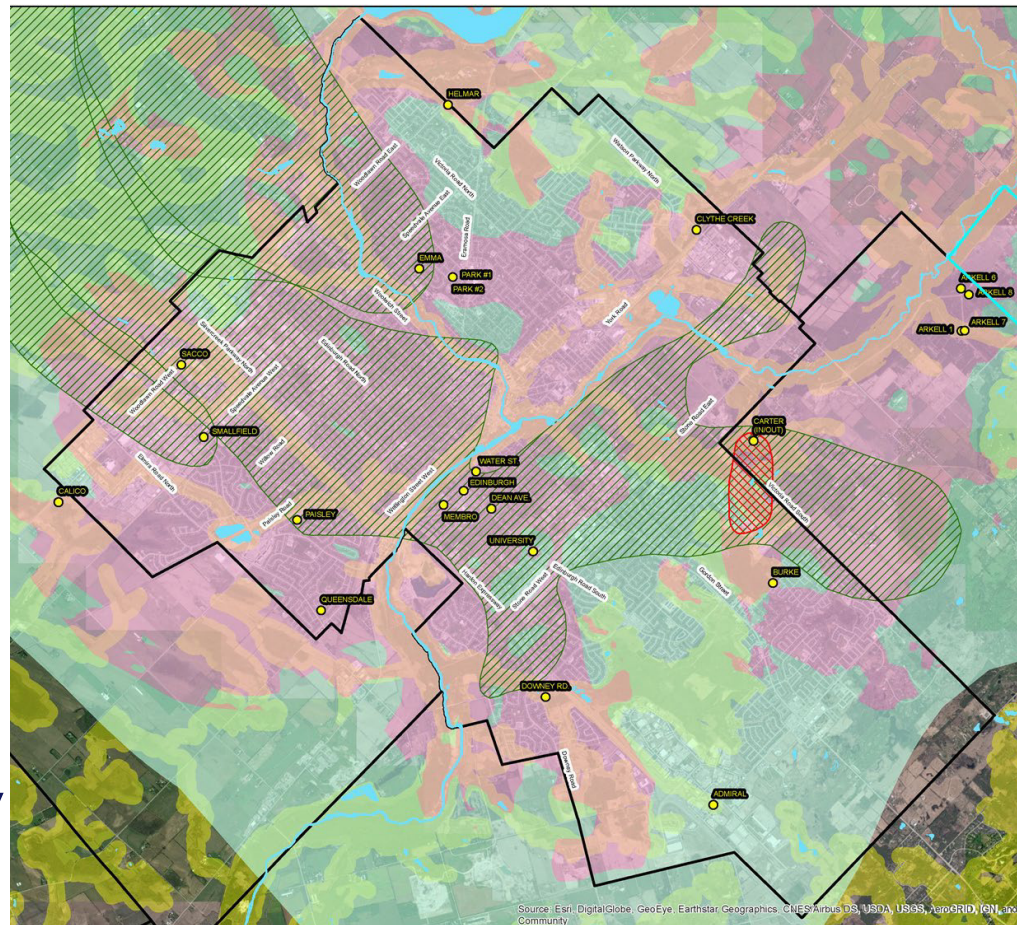


Stormwater Management Master Plan

- Project Tasks:
 - Rainfall Analysis and IDF Update
 - Stormwater Management Facilities (New and Retrofit)
 - Watercourse Erosion
 - Subwatershed Health
 - Infiltration Policy
 - Design Criteria

Stormwater Management Master Plan

- Infiltration
 - GRCA Source Water Protection
 - Well-Head Vulnerability
 - Issue Contributing Areas (Nitrate, TCE)



Stormwater Management Master Plan

- **Infiltration Policy Goals:**
 - Infiltrate clean water
 - Manage infiltration of salt-laden water and runoff from high-risk activities
 - Framework for Low Impact Development

Stormwater Management Master Plan

- Design Criteria
 - Set targets for water quality, quantity, balance and erosion
 - Work within existing subwatershed study areas

Stormwater Management Master Plan

- What have we done so far?
 - Field assessments and desktop studies of existing system and preliminary assessment of future needs
 - Draft policies
 - Model set-up of existing system

Stormwater Management Master Plan

- What have we heard from stakeholders?
 - 20 survey responses
 - Participants are informed about stormwater runoff and stream/river quality
 - Participants supported improvements

Stormwater Management Master Plan

- What's next?
 - Run model for existing and future conditions
 - Identify stormwater management system component shortfalls
 - Evaluate alternative solutions for the identified shortfalls
 - Prepare implementation plan – road map for future capital studies and construction works

Stormwater Management Master Plan

- Questions on Stormwater Management?

Discussion

From: [Colleen Gammie](#)
To: [Peter Graham](#)
Cc: [Leslie Muñoz](#); [Stephanie Bryenton](#)
Subject: Guelph Water and Wastewater Servicing Master Plan - Project Update
Attachments: [2022-10-31 Guelph WWW MP Update Letter Six Nations.pdf](#)
[SN Meeting - WWW and SWM MP 2021-07-08.pdf](#)
[Briefing Note for SN Mtg SWM and WWW Servicing MPs.pdf](#)

Dear Peter Graham,

Please find attached a Project Update Letter for the City's Water and Wastewater Servicing Master Plan. The purpose of this letter is to provide you with an update on the project, share available project materials, and invite feedback. The City met with representatives from Six Nations in July 2021 to discuss this project, as well as the Stormwater Management Master Plan as part of our consolidated Water-Related Master Plans discussions. The Meeting Minutes and Briefing Note from that meeting are attached as well, for context. Please feel free to contact me (the City's Project Manager for this project) if you have any questions, feedback, or would like to set up a meeting to discuss anything further.

Thank you,

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph
519-822-1260 extension 2282
Mobile 226-332-4693
colleen.gammie@guelph.ca

guelph.ca

October 31st, 2022

Peter Graham
Land Use Officer
Department of Lands and Resources
Six Nations of the Grand River
Petergraham@sixnations.ca

Dear Peter Graham,

RE: Municipal Class Environmental Assessment for the City of Guelph's Water and Wastewater Servicing Master Plan

The City initiated the Water and Wastewater Servicing Master Plan (W/WW MP) update project in 2020.

The purpose of the W/WW MP is to ensure that Guelph's water and wastewater infrastructure support existing needs and the community's growth. This study will identify need for increases in system capacity, potential technological advances, changes to government legislation and opportunities to improve efficiency. Identifying these needs will help the City evaluate and prioritize individual projects to increase capacity in the existing system.

The update to the W/WW MMP is being completed according to the Municipal Engineers Association Municipal Class Environmental Assessment (as amended 2011, 2015), which is an approved Class of Environmental Assessment under Ontario's Environmental Assessment Act.

A Notice of Study Commencement was shared in January 2020. At this time, the City is nearing completion of the technical work to inform the Project File. More information about the project can be found on the City's project website:
<https://guelph.ca/plans-and-strategies/water-and-wastewater-servicing-master-plan/>

The City will be hosting our second Public Open House on November 29th, 2022 to present the work done to date, with a focus on the evaluated alternative solutions and preferred alternative, in accordance with the Class EA process. At this time, we also wanted to extend an invitation to Six Nations of the Grand River to review materials and provide feedback. We are happy to set up a meeting if that would be a more productive platform to provide an update and collect feedback.

The project is currently scheduled to be brought to Guelph City Council in the spring of 2023, with filing of the Project File with the Ministry of Environment, Conservation, and Parks following shortly after.

City Hall
1 Carden St
Guelph, ON
Canada
N1H 3A1

T 519-822-1260
TTY 519-826-9771

guelph.ca

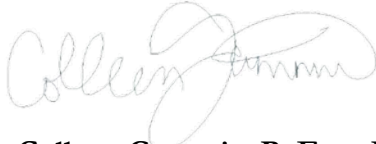
Peter Graham

October 31st, 2022

RE: Municipal Class Environmental Assessment for the City of Guelph's Water and
Wastewater Servicing Master Plan

Page 2 of 2

Sincerely,

A handwritten signature in cursive script, appearing to read "Colleen Gammie".

Colleen Gammie, P. Eng, PMP, Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
Location: 1 Carden Street, Guelph, ON, N1H 3A1

T 519-8221260 x 2282

E colleen.gammie@guelph.ca

C Leslie Muñoz, Stephanie Bryenton

Guelph's Stormwater Management and Water/Wastewater Servicing Master Plans – A Briefing Note for Six Nations of the Grand River First Nation

July 6th, 2021

Introduction

The City of Guelph (the City) is a growing and diverse municipality of 130,000+ residents situated on Between the Lakes Treaty No. 3 (1792) territory in the heart of southwestern Ontario's innovation corridor. We acknowledge that we are on the treaty lands and territory of the Mississaugas of the Credit First Nation of the Anishnabek and neighboring the lands of the Haldimand Tract and traditional territory granted to the Six Nations of the Grand River of the Haudenosaunee. The City of Guelph takes pride in recognizing our responsibility for the stewardship of the land on which we live and work. We are committed to respectful and meaningful engagement with Six Nations of the Grand River (Six Nations), given our proximity to Six Nations treaty lands and traditional territory, with the aim of protecting our environment for generations to come. Recognizing the history of the land our City is situated on, the City is also committed to working collaboratively to protect and preserve cultural or archaeological materials of interest to Six Nations that may be found in our municipality.

This briefing note provides a high-level overview of Guelph's Stormwater Management Master Plan (SWM MP) and Water and Wastewater Servicing MP (W/WW MP) updates. We hope it will be useful in explaining our initiative to Six Nations and in facilitating meaningful engagement. Your participation will be helpful in ensuring our SWM MP and W/WW MP updates are a success and that your input is reflected in the planning of our stormwater management and servicing strategies at this early stage.

About the Water and Wastewater Servicing Master Plan

The Water and Wastewater Servicing MP is a Municipal Class Environmental Assessment Master Plan. It must fulfill the Phase 1 (problem statement and opportunities) and Phase 2 (develop and evaluate alternatives) requirements of the EA process.

Water Servicing in Guelph: When studying water servicing infrastructure, there are two main criteria:

- Water pressure: ensure that all of our residents and commercial/industrial buildings have adequate water pressure
- Fire protection: ensure that there is adequate water flow available in the system to support fire protection measures

Wastewater Servicing in Guelph: When studying wastewater infrastructure, there is one main criteria:

- Sanitary servicing capacity: ensure that there is adequate capacity in the system to prevent surcharging (water level rising above the top of the sewer) during a modelled storm event

In light of the above, the purpose of the W/WW MP is to:

- Update the City's models to reflect the current existing conditions
- Evaluate where the existing system is not currently meeting levels of service
- Evaluate where system improvements are required to support future growth
- Prepare and evaluate alternate solutions to overcome existing and future servicing shortfalls
- Prepare an implementation plan to prioritize critical projects and assess the capital and staff resource requirements

The W/WW MP team has completed gathering the background data and updating/calibrating the models based on available field data. An assessment of servicing gaps to serve the existing condition has been completed. Upon receipt of future growth locations and densities as a result of the Growth Plan project, the future requirements will be established and alternate solutions will be developed for evaluation.

Where to look: For more information on our existing water and wastewater servicing systems, and the study, please visit our [Have Your Say page](#) and our [Virtual Open House storyboards](#).

About the Stormwater Management Master Plan

The Stormwater Management MP is a Municipal Class Environmental Assessment Master Plan. It must fulfill the Phase 1 (problem statement and opportunities) and Phase 2 (develop and evaluate alternatives) requires of the EA process.

Stormwater Management in Guelph: In Guelph, we look at the following aspects of stormwater management:

- Water quantity: how we manage the volume of rain runoff during and after a rain event
- Water quality: how we manage the quality of runoff before it is discharged to our rivers, wetlands, and ponds
- Water balance: how we direct water back into the ground or collect it for re-use based on Source Water Protection policies
- Erosion: how we manage the routes of water to control impact to existing built and natural environment

In light of the above, the purpose of the SWM MP is to:

- Update the City's models to reflect the current existing conditions
- Evaluate the City's current stormwater management design criteria for water quantity, quality, infiltration, and erosion and provide policy for updates based on Source Water Protection policies and climate change analysis

- Evaluate where the existing system is not currently meeting levels of service and make recommendations for:
 - New water quantity or quality facilities
 - New linear piped infrastructure
 - Target areas for low impact development measures
- Evaluate watershed and watercourse health and make recommendations for:
 - New or retrofit water quality controls
 - Stream channel restoration work (i.e. repair of retaining walls, outfalls, pipes crossing channels)
- Evaluate where system improvements are required to support future growth
- Prepare and evaluate alternate solutions to overcome existing and future servicing shortfalls
- Prepare an implementation plan to prioritize critical projects and assess the capital and staff resource requirements

The SWM MP team has collected and reviewed field data and completed desktop studies of available inputs. Draft assessments of existing ponds, creek erosion, and oil/grit separator units have been completed. Next steps include modelling work to assess the existing condition and future condition(s), including climate change impacts as well as sensitivity analyses for the infiltration policy requirements and design criteria.

Where to look: For more information on our existing stormwater management systems and the study, please visit our [Have Your Say page](#) and our [Virtual Open House storyboards](#).

Areas of Potential Interest to Six Nations Water & Wastewater Servicing Risk Mitigation

Part of the W/WW MP is to ensure that our existing and proposed services aren't under strain. In assessing the needs for upsizing or new services, we are protecting our existing assets and helping mitigate the risk of chlorinated drinking water and untreated wastewater from leaking into the ground, which could occur should a watermain break or sewer joint failure occur.

Watercourse Crossings

There are several water and wastewater servicing pipes that cross watercourses across the City. Part of the W/WW MP will look at removing / abandoning unnecessary infrastructure that crosses watercourses. It may also identify new works that have an alignment crossing watercourses.

Subwatershed Health

Part of the SWM MP is to assess existing subwatershed health using the following metrics:

- Terrestrial health – wetland habitat, riparian habitat, forest habitat, grassland, natural cover
- Stormwater management – quantity and quality control, impervious surface, urban flooding

- Water quality – water quality parameters exceeding guidance, trends
- Stream health – erosion issues, physical aquatic habitat conditions, riparian habitat conditions
- Aquatic health – species richness, habitat sensitivity

The results of these assessments will be used to help prioritize recommended works. For example, in a subwatershed where there are no or minimal water quality control measures, a new quality control facility may be prioritized for that location in order to improve the quality of water entering receivers (wetlands, natural environment, rivers).

Infiltration Policy & Source Water Protection

Part of the SWM MP is to develop an infiltration policy that has not been previously established in the City of Guelph – this policy will establish locations where infiltration is not acceptable considering well-head protection vulnerability, and nitrate and trichloroethylene contributing areas. This policy will direct both municipal and private lands to infiltrate as much clean water as possible through use of green roofs and other LID features, and to protect our drinking water supply and groundwater from road salts, silts, and other pollutants.

Impact to Cultural Heritage and Archeological Resources

Both MPs are high level and include policies and roadmaps for future study, design and construction works. As part of these MPs, the City will not be undertaking any archeological or cultural heritage studies. Impacts from capital projects outlined in the MPs will be identified through Schedule C Environmental Assessments or during preliminary / detailed design work. The City is committed to working collaboratively with Six Nations to protect cultural heritage and archaeological resources of interest that are identified through the implementation of projects in the MPs.

Consultation and Next Steps

The next phase of the MPs involves developing and evaluating alternative solutions. The preferred alternative, as well as the evaluation criteria and process, will then be presented to stakeholders and the public. We would be happy to engage with Six Nations again after we have passed that milestone to present the preferred stormwater management and water and wastewater servicing strategies.

From: [Gazibara, Nevena](#)
To: [Thornton, Cathy](#)
Subject: FW: Guelph Master Plans - MCFN and SN Meeting Invitations
Date: Friday, March 17, 2023 9:43:48 AM
Attachments: [RE MCFN Meeting Materials - Engineering Water Master Plans.msg](#)

FYI

From: Colleen Gammie <Colleen.Gammie@guelph.ca>
Sent: Friday, March 17, 2023 9:31 AM
Subject: Guelph Master Plans - MCFN and SN Meeting Invitations

Hi,

Apologies for the multiple emails on this. In the past, MECP has looked for every single piece of correspondence between the City and Indigenous parties so I'm looking to provide that now. We can add these meeting invites to our logs (invite sent by Tanya and Leslie below) and I've attached another e-mail from Leslie to MCFN. I'm working to get access to any additional back and forth around these meetings to share with you.

Thanks,
Colleen

Meeting invitation for MCFN:

-----Original Appointment-----

From: Tanya Pacheco-Silva <Tanya.Pacheco-Silva@guelph.ca>
Sent: Thursday, September 9, 2021 10:50 AM
To: Tanya Pacheco-Silva; Reg Russwurm; Colleen Gammie; Terry Gayman; Leslie Muñoz; 'Fawn.Sault@mncfn.ca'
Cc: Kelly Guthrie; Marina Grassi
Subject: COG/MCFN Engineering Water Master Plans Meeting
When: Wednesday, October 6, 2021 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: webex details below

-- Do not delete or change any of the following text. --

When it's time, join your Webex meeting here.

[Join meeting](#)

More ways to join:

Join from the meeting link

<https://guelph.webex.com/guelph/j.php?MTID=mbf7af1b9b12cb0232fc29435a1fa51e8>

Join by meeting number

Meeting number (access code): 2339 177 5123

Meeting password: ezHVHeWx386

Tap to join from a mobile device (attendees only)

[+1-416-216-5643..23391775123###](tel:+1416216564323391775123) Canada Toll (Toronto)

[+1-613-714-9906..23391775123###](tel:+1613714990623391775123) Canada Toll (Ottawa)

Join by phone

+1-416-216-5643 Canada Toll (Toronto)

+1-613-714-9906 Canada Toll (Ottawa)

[Global call-in numbers](#)

Join from a video system or application

Dial [23391775123@guelp.h.webex.com](tel:23391775123@guelp.h.webex.com)

You can also dial 173.243.2.68 and enter your meeting number.

Join using Microsoft Lync or Microsoft Skype for Business

Dial [23391775123.guelph@lync.webex.com](tel:23391775123.guelph@lync.webex.com)

If you are a host, [click here](#) to view host information.

Need help? Go to <https://help.webex.com>

Meeting Invite for SN Meeting:

-----Original Appointment-----

From: Leslie Muñoz Leslie.Munoz@guelph.ca

Sent: Tuesday, June 8, 2021 4:19 PM

To: Leslie Muñoz; Colleen Gammie; Reg Russwurm; Marina Grassi; Kelly Guthrie; Robin Vanstone

Cc: Terry Gayman; Bethany Wakefield; Dawn Russell; Lonny Bomberry; Mohsin Talpur; Eadie, Dave;
denich.c@aquaforbeech.com

Subject: Guelph Engineering Services Water Master Plans MTG with SN

When: Thursday, July 8, 2021 3:00 PM-4:30 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Microsoft Teams Meeting

Updating with meeting materials – please reach out if any questions in advance.

Hi,

To discuss the Stormwater Master Plan and the Water and Wastewater Servicing Master Plan. The City will provide Six Nations with materials in advance.

L

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

[Learn More](#) | [Meeting options](#)

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph

519-822-1260 extension 2282

Mobile 226-332-4693

colleen.gammie@guelph.ca

guelph.ca

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Water / Wastewater Servicing & Stormwater Management Master Plan Update

City of Guelph & Six Nations

July 8th, 2021

Agenda

- Introductions
- Master Plan Process Overview
- Water / Wastewater Servicing Master Plan
- Stormwater Management Master Plan
- Discussion

Key City Representatives

Leslie Muñoz – Manager, Policy and Intergovernmental Relations

Colleen Gammie – Project Manager

Reg Russwurm – Manager, Design and Construction Services

Terry Gayman – General Manager / City Engineer

Kelly Guthrie – Community Engagement Specialist

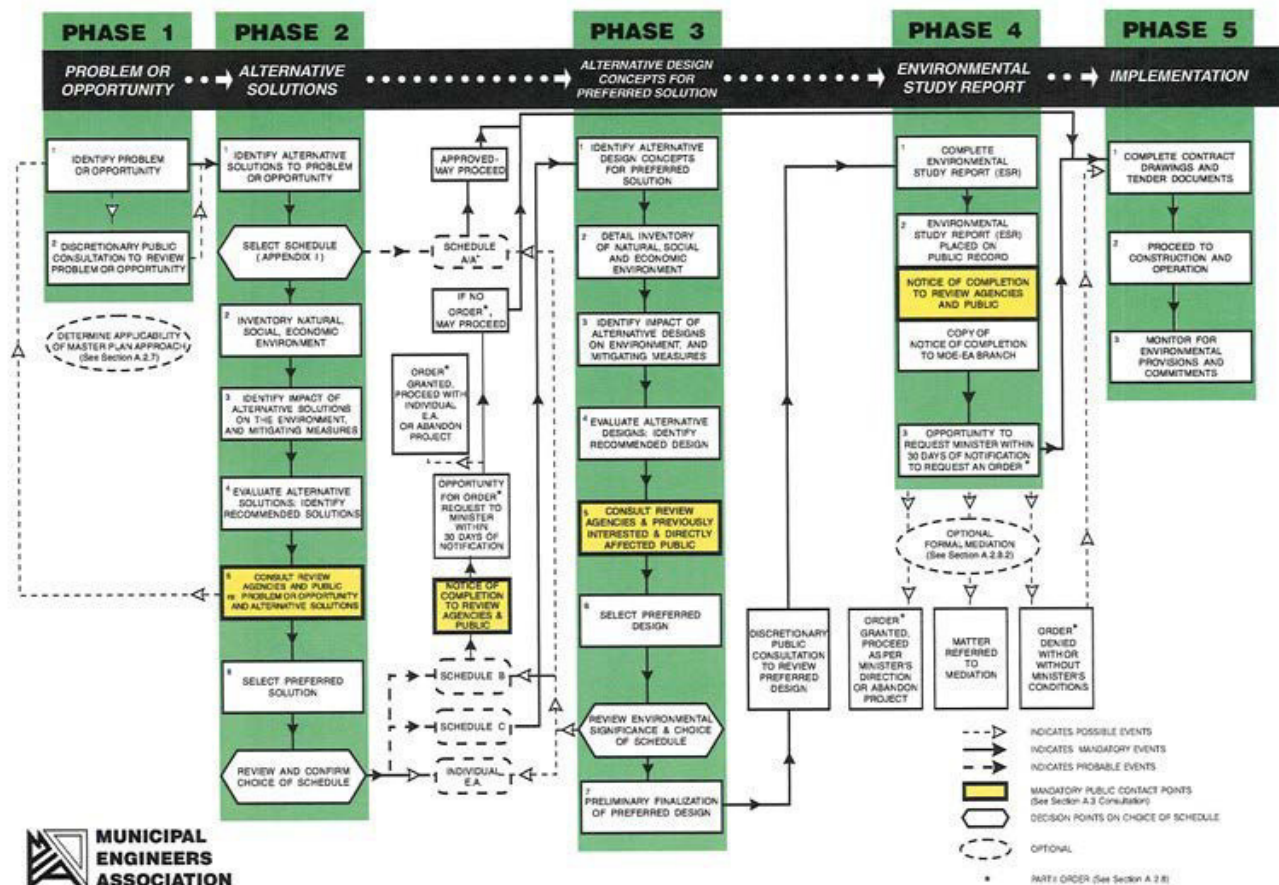
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Water / Wastewater Servicing Master Plan

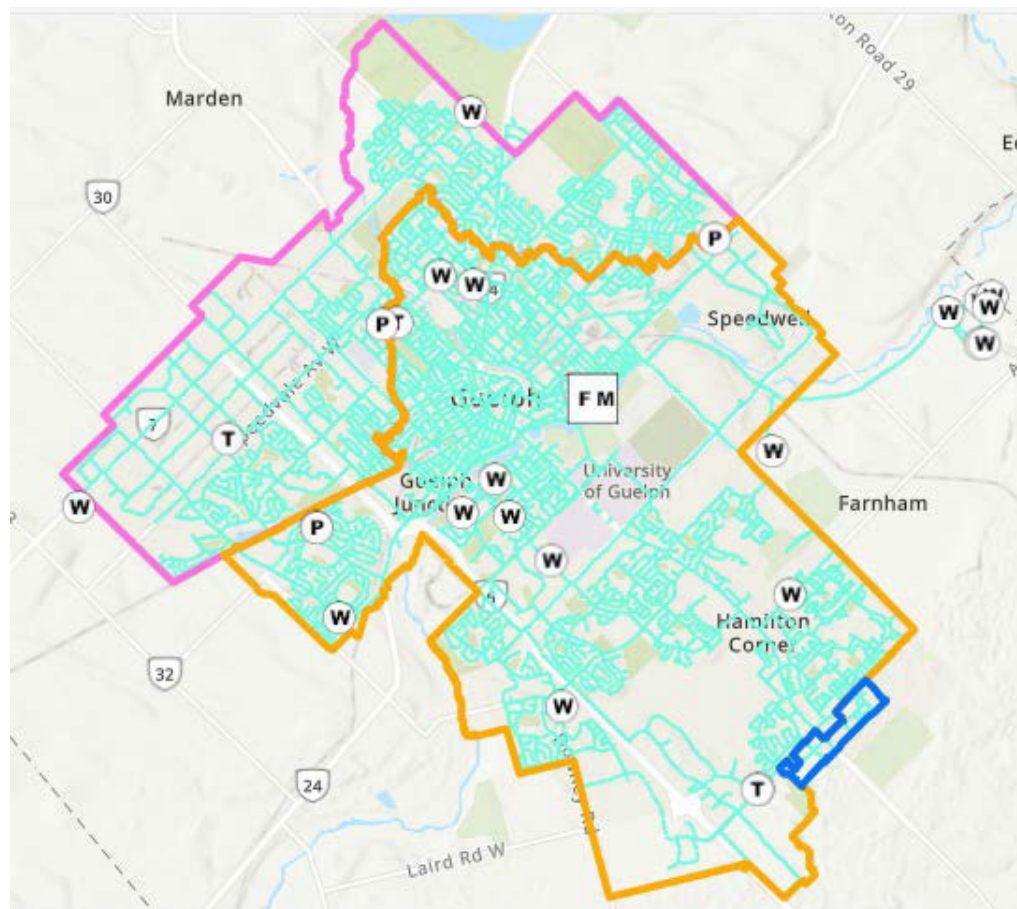
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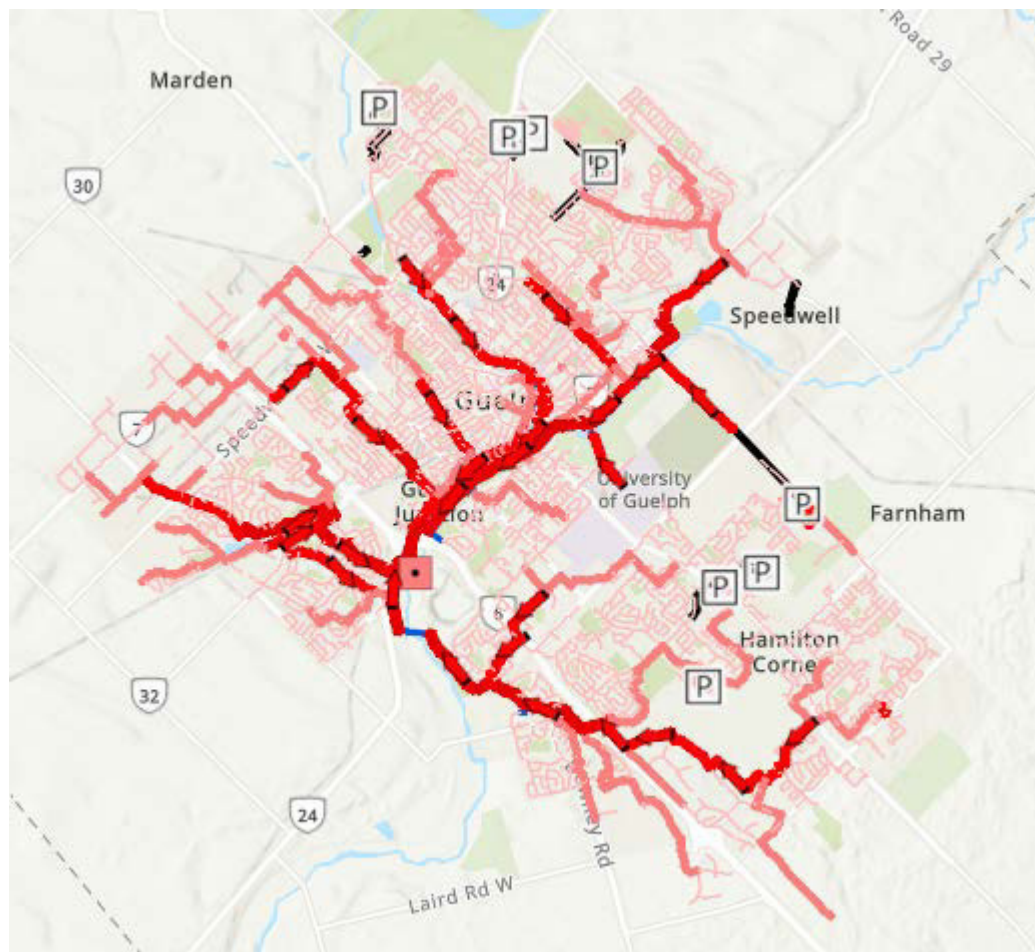
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- 3 Zones
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- Wells, pumps, storage reservoirs, treatment facilities, **watermains**



Water / Wastewater Servicing Master Plan

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Water / Wastewater Servicing Master Plan

- Questions on servicing?

Stormwater Management Master Plan

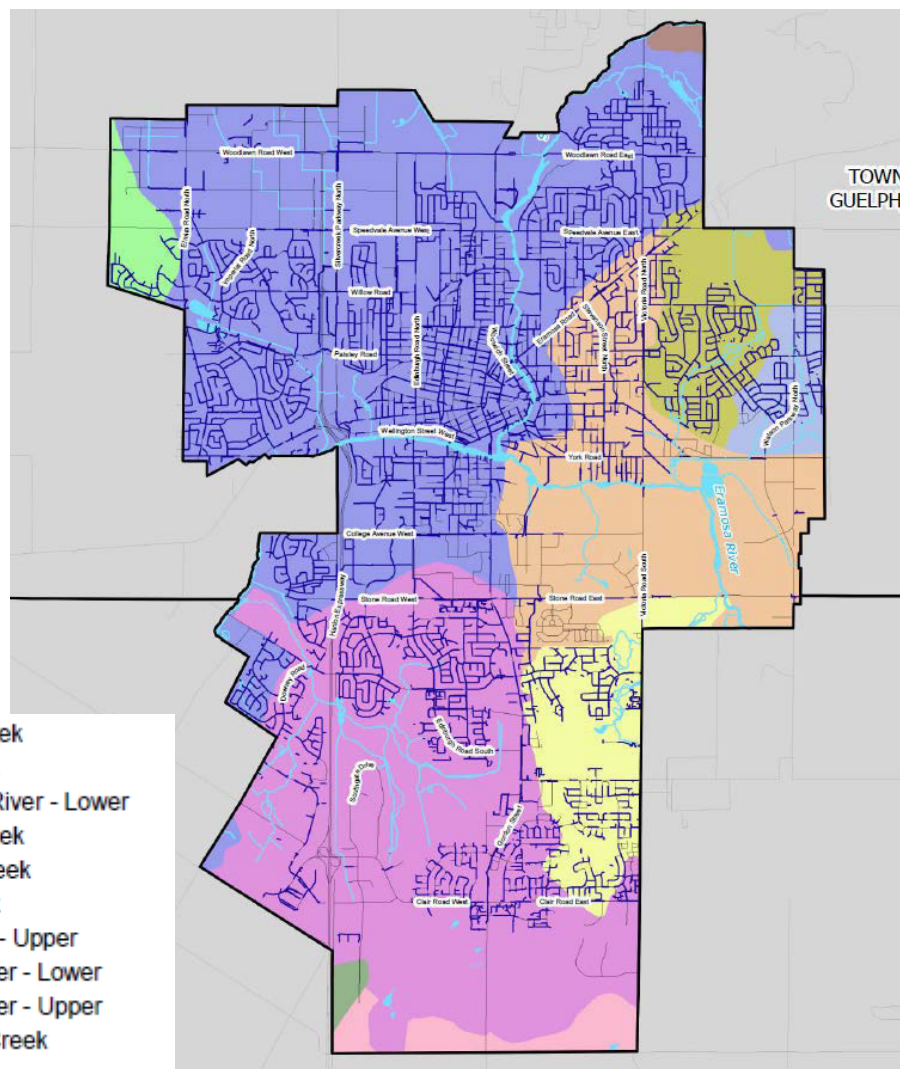
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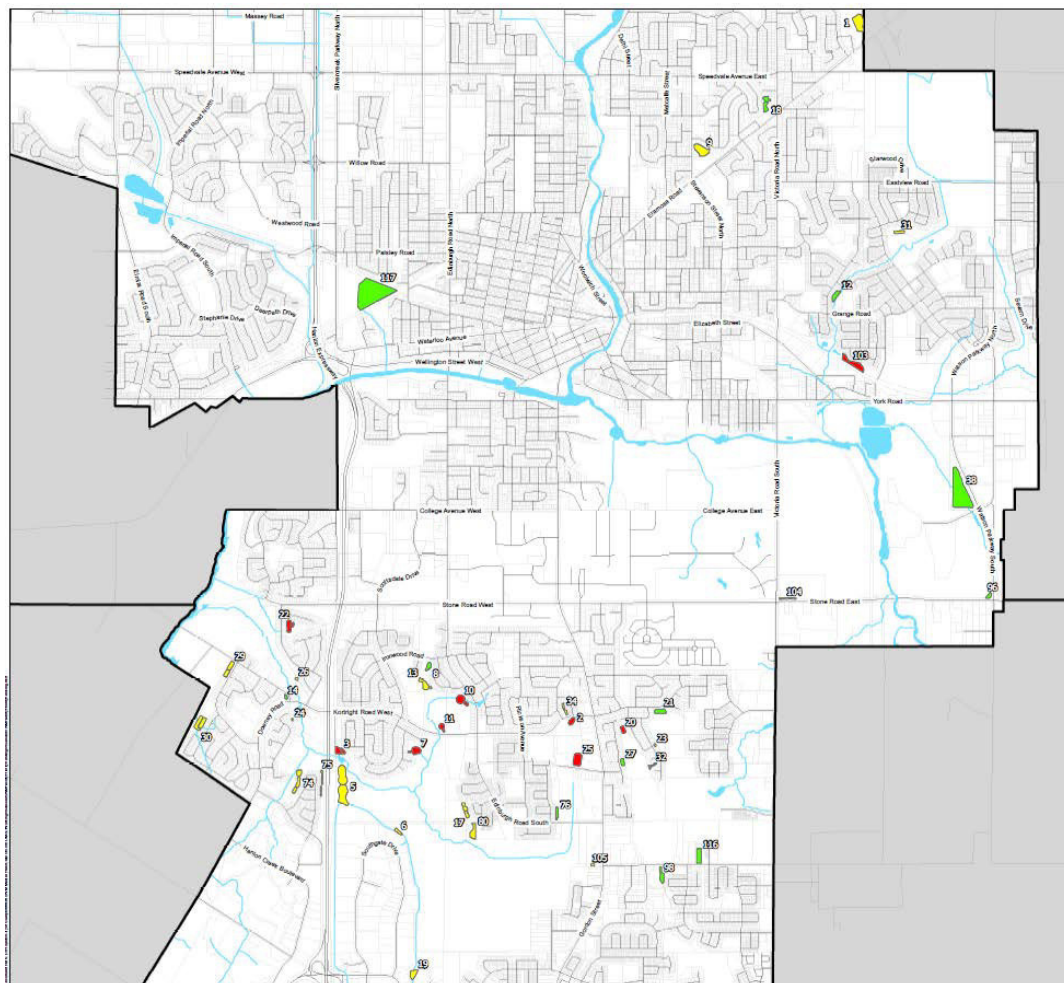
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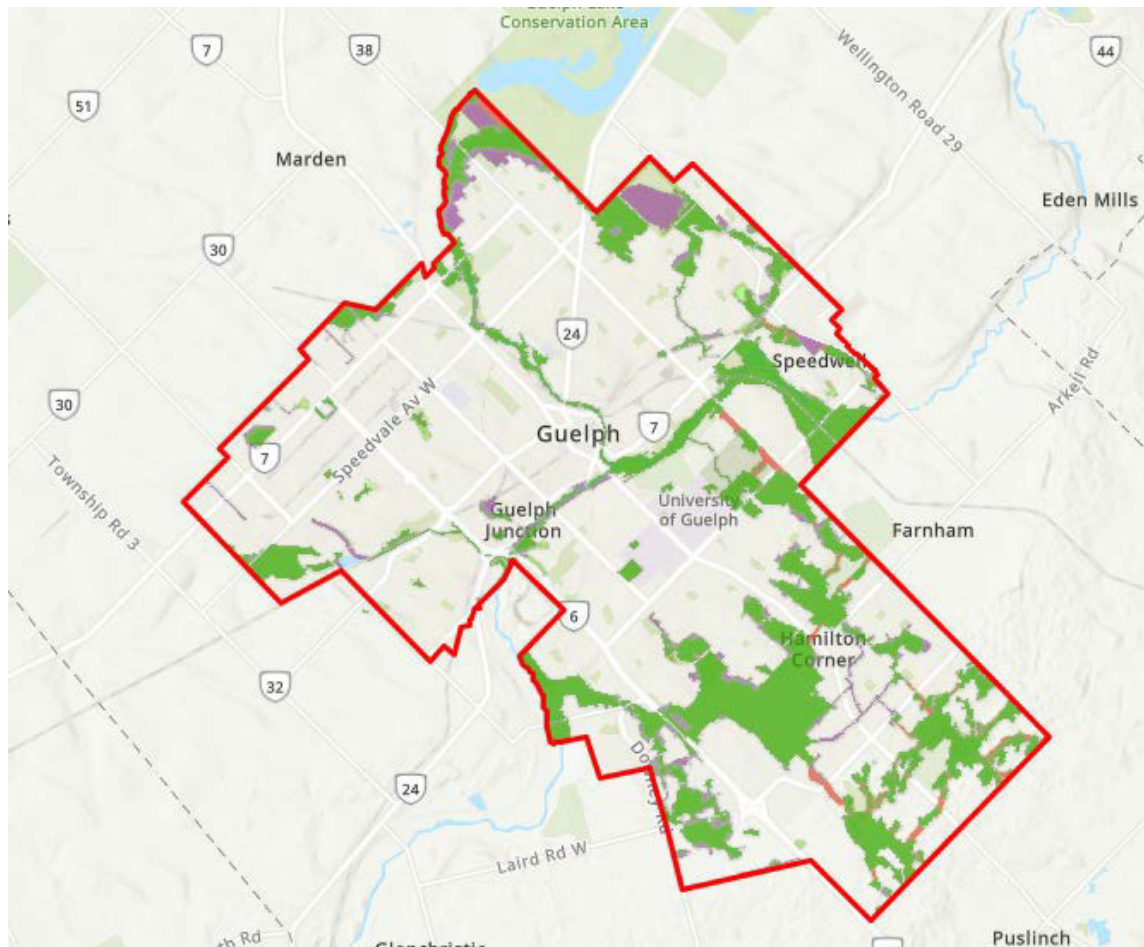
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Stormwater Management Master Plan

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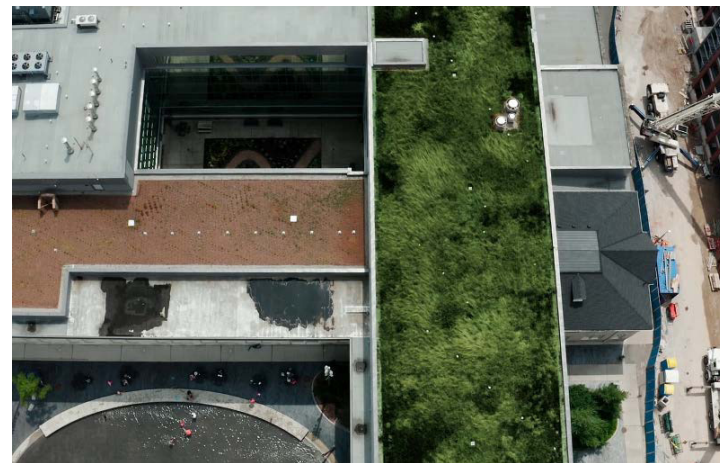


Stormwater Management Master Plan

- Management Criteria:
 - Water Quantity
 - Water Quality
 - Water Balance (Infiltration, Reuse)
 - Erosion

Stormwater Management Master Plan

- Management Practices:
 - Source Control
 - Conveyance control
 - End-of-pipe measures



Stormwater Management Master Plan

- Management Practices:
 - Environmental Restoration
 - Pollution prevention
 - Operation & maintenance



Stormwater Management Master Plan

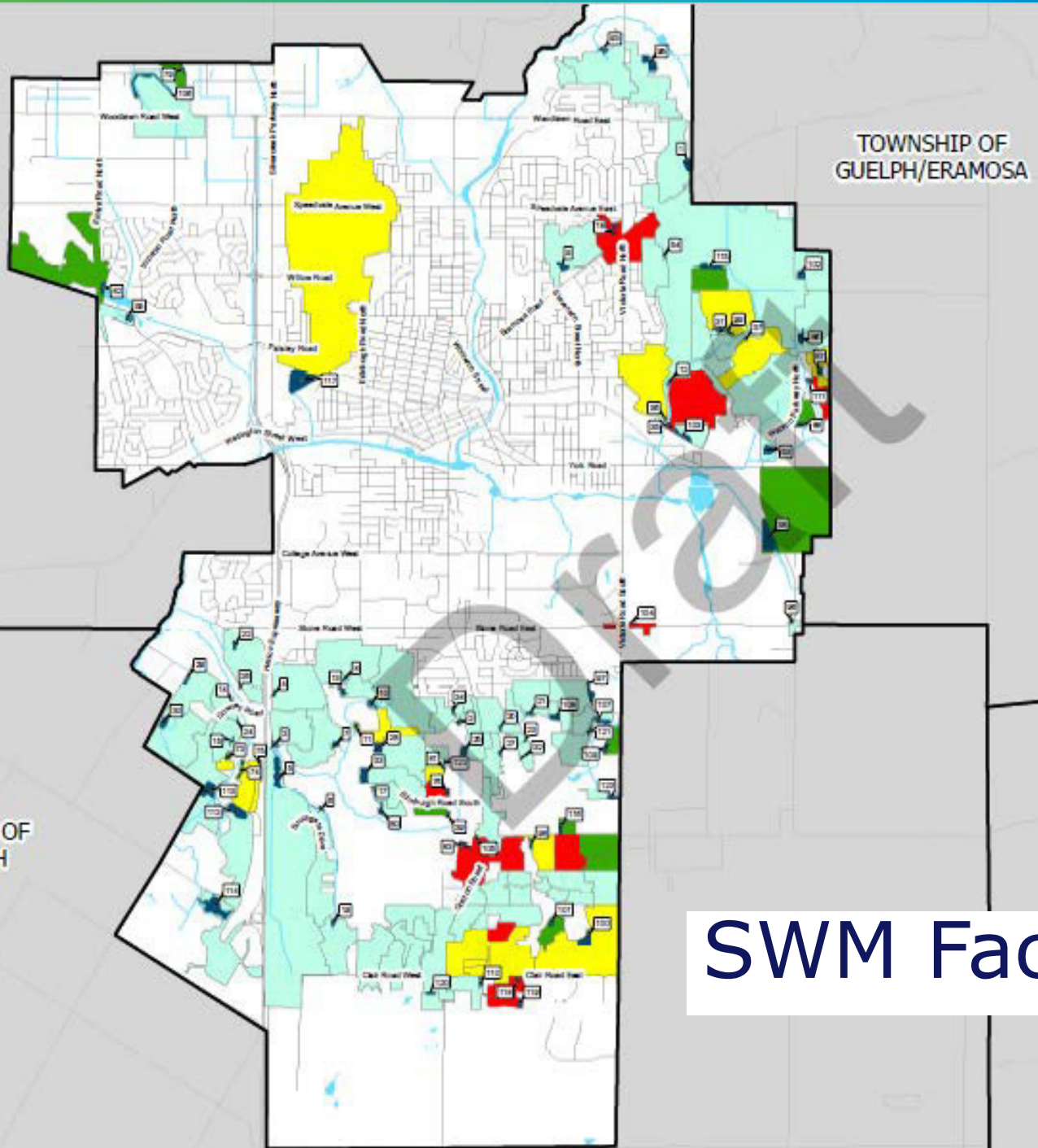
- Project Tasks:
 - IDF Curve Update (Climate Change)
 - Stormwater Management Facilities (New and Retrofit)
 - Watercourse Erosion
 - Subwatershed Health
 - Infiltration Policy
 - Design Criteria
 - Low Impact Development

Stormwater Management Master Plan

- IDF Curve Update:
 - Rain data from >50 years studied
 - Climate change predictors
 - Ensure infrastructure and policy are future ready

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GUELPH/ERAMOSA

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SWM Facilities

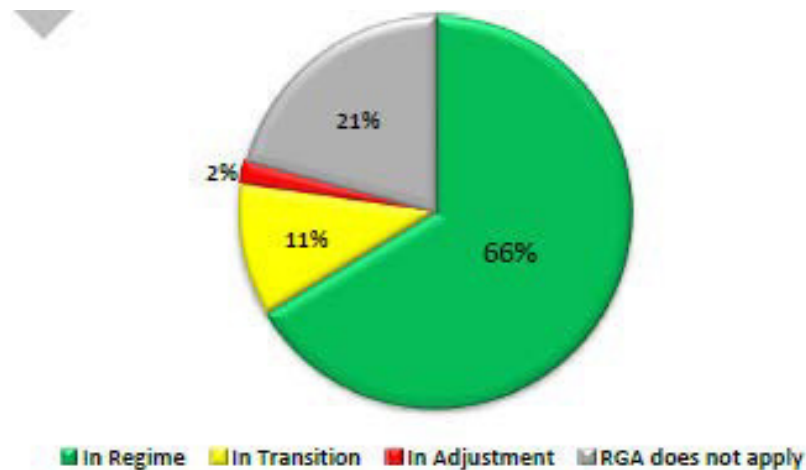
Stormwater Management Master Plan

- Watercourse Erosion:
 - Field inspection and desktop analysis
 - Outfalls, retaining walls, stream features



Stormwater Management Master Plan

- Watercourse Geomorphology:
 - Field inspection and desktop analysis of 101 river reaches
 - Rapid geomorphic assessments



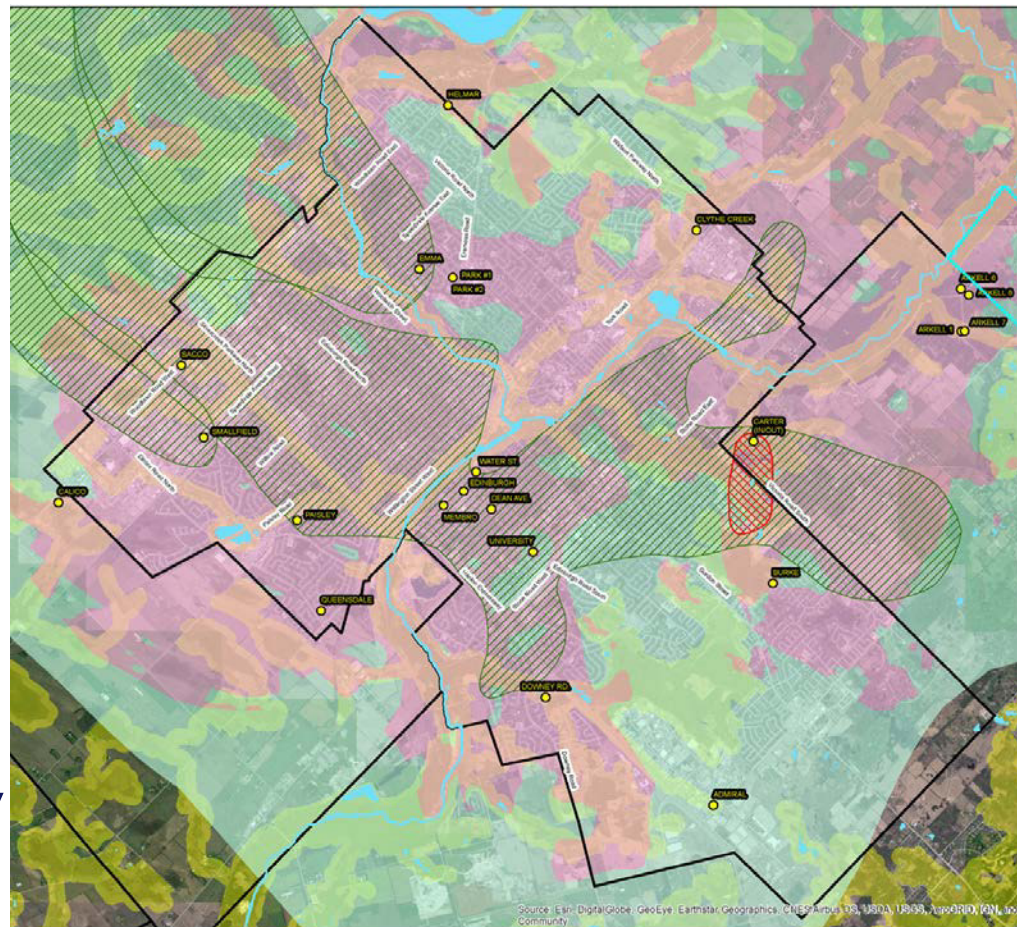
Stormwater Management Master Plan

- Subwatershed Health Assessment

Terrestrial	Stormwater Management	Water Quality	Stream Health*	Aquatics*
Wetland Habitat (% coverage)	Quality Control (% of Urban Area)	% Water Quality Parameters Exceeding Guidance	Erosion Issues Severity (Score)	Species Richness
Riparian Habitat (% stream naturally vegetated)	Quantity Control (% of Urban Area)	Trends (conditions improving or deteriorating?)	Physical Aquatic Habitat Conditions (Score)	Species Intolerant of Disturbance
Forest Habitat (% coverage)	Impervious Surface (% impervious)		Riparian Habitat Conditions (Score)	Habitat Sensitivity
Grassland (% coverage)	Urban Flooding (% storm sewers surcharged & at capacity)			
Natural Cover (overall % coverage)				

Stormwater Management Master Plan

- Infiltration
 - GRCA Source Water Protection
 - Well-Head Vulnerability
 - Issue Contributing Areas (Nitrate, TCE)



Stormwater Management Master Plan

- **Infiltration Policy Goals:**
 - Infiltrate clean water
 - Manage infiltration of salt-laden water and runoff from high-risk activities
 - Framework for Low Impact Development

Stormwater Management Master Plan

- Design Criteria
 - Set targets for water quality, quantity, balance and erosion
 - Work within existing subwatershed study areas

Stormwater Management Master Plan

- What have we done so far?
 - Field assessments and desktop studies of existing system and preliminary assessment of future needs
 - Draft policies
 - Model set-up of existing system

Stormwater Management Master Plan

- What have we heard from stakeholders?
 - 20 survey responses
 - Participants are informed about stormwater runoff and stream/river quality
 - Participants supported improvements

Stormwater Management Master Plan

- What's next?
 - Run model for existing and future conditions
 - Identify stormwater management system component shortfalls
 - Evaluate alternative solutions for the identified shortfalls
 - Prepare implementation plan – road map for future capital studies and construction works

Stormwater Management Master Plan

- Questions on Stormwater Management?

Discussion

Guelph Water/Wastewater Servicing & Stormwater Management Master Plan Indigenous Engagement Meeting

Six Nations of the Grand River

Date: Thursday, July 8, 2021

Location: Microsoft Teams

Time: 3:00 p.m.

Hosts: City of Guelph: Leslie Muñoz, Colleen Gammie, Terry Gayman, Mohsin Talpur, Kellie Guthrie, Reg Russworm, Marina Grassi, Michael Lanc

Attendees: Six Nations of Grand River: Tanya Hill-Montour, Phil Montour, Lonny Bomberry, Taylor Hill, Bethany Wakefield, Robbin Vanstone, Peter Graham

Meeting Minutes

Leslie oversaw everyone's introductions and thanked the representatives of the Six Nations of the Grand River for their willingness to meet and discuss the City's plans for water.

Colleen began a presentation on the Water/Wastewater servicing and Stormwater Management Master Plans.

Colleen provided an overview of the City's Master Plan process. Each Master Plan begins with an Environmental Assessment to determine the overall impact on the environment. A Municipal Class Environmental Assessment is conducted, which involves:

1. Problem / Opportunity Statement
2. Alternative Solutions to the Problem
3. Evaluation and Recommendation of Preferred Solution
4. Implementation Strategy & Future Projects

Colleen displayed a graphic to explain the MCEA process and identified that the City's consultation with Six Nations of the Grand River was part of this process.

A detailed schedule of the progress of both Master Plans was shared. Over the course of 2020, a notice of study commencement and first public engagement opportunity were completed. The City is currently conducting an evaluation of the alternatives and choosing a preferred solution. In Q4 of 2021 a second public engagement opportunity will occur, and study completion is expected to occur in Q1 or Q2 of 2022.

1. **Brief overview of Water/Wastewater Servicing MP status**

Colleen began presenting an overview of Guelph's Water/Wastewater Servicing Master Plan.

The purpose of the Master Plan is to "identify servicing requirements for existing service areas and growth areas to 2041/2051." Colleen also shared that the MP will:

1. Consider the impact of population and employment growth up to 2051;
2. Further the City's focus to become a smart City;
3. Consider the use of innovative technologies for improved water and wastewater level of service."

Colleen provided contextual information on water in Guelph. The City's water is divided into three zones. Guelph's groundwater supply was identified on a map; more information on this will be available at the Water Supply MP meeting, on Monday, July 12, 2021. The Water/Wastewater Servicing MP project studies water mains most specifically, though wells, pumps, storage reservoirs, and treatment facilities are also integral to the process.

Colleen shared a second map identifying the City's wastewater sewer sheds. Guelph's Wastewater treatment plant, pumping stations, force mains, and gravity sewers were also noted.

An overview of what the City has done so far in relation to this project was shared. The water model and the wastewater model have both been updated, both being calibrated to project future needs and capabilities. The current constraints of the City's system were identified.

The City has done one engagement meeting with community stakeholders. Guelph received 26 responses to a survey. The majority of respondents reported not experiencing issues with water/wastewater services to their homes. Three participants did note sewer blockages due to freezing.

Colleen presented the City's future plans in relation to this project and the Road to 2051 plan. Models will be run based on the growth scenarios as directed by the growth plan. The City's water and wastewater servicing needs will be identified and an evaluation of the alternative solutions for the identified servicing shortfalls will take place. An implementation plan will be prepared, serving as a roadmap for future capital studies and construction works.

The impact this project may have on the environment was addressed. Colleen stated that some sanitary sewers cross the river, but studies will look to see if we can reroute sewers to avoid this. Studies are also being conducted to reduce the risk of spills to the natural environment and to reduce the infiltration of clean water into sewers.

Colleen asked the Six Nations of the Grand River if they had any questions on Water/Wastewater Servicing at this time. No questions were asked.

2. Brief Overview of Stormwater Management Master Plan

Colleen began presenting an overview of Guelph's Stormwater Management Master Plan.

The purpose of the Master Plan is to:

1. Ensure Guelph manages stormwater to help protect Guelph's water supply and the environment.
2. Address issues like flood control, maintaining the quality of Guelph's local waterways (rivers, lakes and streams) and drinking water supply (groundwater), the overall environment and maintaining local water balance.
3. Assess the infrastructure we have to support City services today, and determine what is needed in Guelph's future.

Colleen identified the goals of this project, which are to identify, protect and enhance natural features, ecological functions and biophysical integrity, and to identify and prioritize future infrastructure projects.

Colleen offered context of how stormwater management operates in Guelph. Guelph is part of the Grand river watershed, and within the municipality's boundaries, there are 9 subwatersheds, making up 89 km of watercourses. There are 121 stormwater management facilities and 136 oil grit separators (OGS units) in the City.

There are three land variations within the City:

1. Valleylands
2. Wetlands
3. Woodlands

All provide habitat for local wildlife and play an important role in the movement of stormwater.

Colleen identified the four management criteria used when studying stormwater.

1. Quantity (of water present after a storm)
2. Quality (of water as it goes into the water system)
3. Water balance (infiltration, reuse)
4. Erosion (ensuring the pathways water runoff takes will not cause harm)

There are three management practices when dealing with stormwater.

1. Source control – dealing with water where it falls.
2. Conveyance control – systems to move water along roadways to promote infiltration.
3. End of pipe measures – facilities to deal with water.

Management practices include environmental restoration, pollution prevention, and operations and maintenance, which includes flushing out debris. This project studies these elements to determine whether they need improvement and to generate new ideas.

An IDF curve update is conducted, measuring rain data from over 50 years of studies. The City uses climate change to provide a future projection, predicting how parameters may change with climate change. This allows the City to ensure infrastructure and policy are prepared for the future.

Colleen stated that field inspections and desktop studies have been done to analyze the impact of watercourse erosion. Outfalls, retaining walls, and stream features were studied, looking for potential hazards. A series of projects have been recommended to remediate conditions they have found, with some projects already underway.

A subwatershed Health Assessment was conducted, looking at quality, quantity, and erosion to determine the health of subwatersheds. These inputs were utilized to prioritize projects and to decide between alternative solutions.

Colleen explained that Guelph's policy goal is to produce a streamlined approach on all projects to find where it is safe to infiltrate runoff.

Colleen noted the City is looking to update its design criteria and set targets for water quantity, quality, balance, and erosion. The City is also examining current and future requirements for when properties are developed and roads are retrofitted, in the context of studies that have been done.

Colleen outlined what has been done in relation to this Master Plan. Field Assessments and Desktop Studies of Guelph's existing system and a preliminary assessment of the City's future needs have been done. Policies have been drafted and a model of the existing system has been created for future use.

One stakeholder engagement meeting has taken place; participants have been informed of the stormwater runoff and stream/river quality, and supported the suggested improvements.

Colleen provided details of the City's future plans in relation to this project. The City will run the model for existing and future conditions. They will also identify stormwater management system component shortfalls and evaluate the alternative solutions for the identified shortfalls. The City will also prepare an implementation plan for future capital studies and construction works.

Colleen concluded the presentation by opening the floor to discussion.

4. Discussion of Current Materials

Feedback on presentations

Bethany asked if the City's efforts to ensure runoff does not infiltrate drinking water are specific to protecting Guelph's drinking water or if these controls also protect water quality downstream, where Six Nations gets its drinking water from. She emphasized the importance of protecting water going downstream. Mohsin stated that the City protects both groundwater and surface water. Terry stated that the City cannot implement policy beyond Guelph's boundaries. Colleen added that by controlling what is occurring in our boundary, the same impacts will occur downstream. Leslie note that the city does perform advocacy outside of Guelph's

boundaries to ensure the City has safe water. Leslie added that the Water supply MP presentation will better address Bethany's concerns.

Robbin asked what percentage of the city OGS units cover, and whether the City has plans to install more. Colleen stated that this will be determined with more studies. The outcome of the project will look to see if there are more locations OGS units should be installed.

Additional concerns or issues

Peter stated the importance of water quality, and that purifying water from the Grand River is extremely difficult. Mohsin stated that the City regulates urban areas and cannot control water outside municipal boundaries.

Bethany asked if the City has looked into how they could reduce the amount of pollutants in runoff, and if the City has any plans to get rid of contaminants in the water. Mohsin stated that it is difficult to remove contaminants when they dissolve into stormwater. Bethany suggested the City looks into ways to reduce the problem at the source. Colleen suggested that the Water Supply MP meeting may better address this. Leslie stated that they will let the presenters know that Six Nations wants to talk about salt contamination in water.

5. Next Steps

Leslie asked the Six Nations of the Grand River what the next steps for engagement should be. Robbin indicated that Six Nations would wait until after the Water Supply MP meeting on Monday, July 12, to determine what they want engagement to look like.

Leslie summarized the key issues brought up from the meeting:

- Six Nations expressed concern on what the City is doing to reduce downstream effects, agricultural runoff, and salt contamination. Leslie will ask the presenters at the Monday, July 12 meeting to include information on these issues.
- Six Nations addressed the importance of OGS units.
- Six Nations prioritized protecting the Grand river and its tributaries. Leslie stated it is the City's priority as well.
- The next engagement event is scheduled for Monday, July 12, 2021, at the Water Supply MP.

NOTE: following the Monday, July 12th meeting, Six Nations indicated it would like to review draft documents before these are finalized for Council decision-making, including draft documents for the master plans referenced in this note.

From: [Colleen Gammie](#)
To: ["info@hdi.land"](mailto:info@hdi.land)
Cc: [Stephanie Bryenton](#); [Leslie Muñoz](#)
Subject: Guelph Water and Wastewater Servicing Master Plan - Project Update
Attachments: [2022-10-31 Guelph WWW MP Update Letter_HCCC.pdf](#)

Dear Haudenosaunee Development Institute,

Please find attached a Project Update Letter for the City's Water and Wastewater Servicing Master Plan. The purpose of this letter is to provide you with an update on the project, share available project materials, and invite feedback. Please feel free to contact me (the City's Project Manager for this project) if you have any questions, feedback, or would like to set up a meeting to discuss anything further.

Thank you,

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph
519-822-1260 extension 2282
Mobile 226-332-4693
colleen.gammie@guelph.ca

guelph.ca

October 31st, 2022

Haudenosaunee Development Institute
Haudenosaunee Confederacy Chiefs Council
16 Sunrise Court, Suite 600
Ohsweken, ON N0A 1M0

Dear Haudenosaunee Development Institute,

RE: Municipal Class Environmental Assessment for the City of Guelph's Water and Wastewater Servicing Master Plan

The City initiated the Water and Wastewater Servicing Master Plan (W/WW MP) update project in 2020.

The purpose of the W/WW MP is to ensure that Guelph's water and wastewater infrastructure support existing needs and the community's growth. This study will identify need for increases in system capacity, potential technological advances, changes to government legislation and opportunities to improve efficiency. Identifying these needs will help the City evaluate and prioritize individual projects to increase capacity in the existing system.

The update to the W/WW MMP is being completed according to the Municipal Engineers Association Municipal Class Environmental Assessment (as amended 2011, 2015), which is an approved Class of Environmental Assessment under Ontario's Environmental Assessment Act.

A Notice of Study Commencement was shared in January 2020. At this time, the City is nearing completion of the technical work to inform the Project File. More information about the project can be found on the City's project website:
<https://guelph.ca/plans-and-strategies/water-and-wastewater-servicing-master-plan/>

The City will be hosting our second Public Open House on November 29th, 2022 to present the work done to date, with a focus on the evaluated alternative solutions and preferred alternative, in accordance with the Class EA process. At this time, we also wanted to extend an invitation to Haudenosaunee Confederacy Chiefs Council to review materials and provide feedback. We are happy to set up a meeting if that would be a more productive platform to provide an update and collect feedback.

The project is currently scheduled to be brought to Guelph City Council in the spring of 2023, with filing of the Project File with the Ministry of Environment, Conservation, and Parks following shortly after.

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guelph.ca

Haudenosaunee Development Institute

October 31st, 2022

Page 2 of 3

Sincerely,

A handwritten signature in cursive script, appearing to read "Colleen Gammie".

Colleen Gammie, P. Eng, PMP, Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
Location: 1 Carden Street, Guelph, ON, N1H 3A1

T **519-8221260 x 2282**

E **colleen.gammie@guelph.ca**

C Leslie Muñoz, Stephanie Bryenton

From: [Colleen Gammie](#)
To: [Linda Norheim](#)
Cc: [Leslie Muñoz](#); [Stephanie Bryenton](#)
Subject: Guelph Water and Wastewater Servicing Master Plan - Project Update
Attachments: [2022-10-31 Guelph WWW MP Update Letter_MNO.pdf](#)

Dear Linda Norheim,

Please find attached a Project Update Letter for the City's Water and Wastewater Servicing Master Plan. The purpose of this letter is to provide you with an update on the project, share available project materials, and invite feedback. Please feel free to contact me (the City's Project Manager for this project) if you have any questions, feedback, or would like to set up a meeting to discuss anything further.

Thank you,

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph
519-822-1260 extension 2282
Mobile 226-332-4693
colleen.gammie@guelph.ca

guelph.ca

October 31st, 2022

Linda Norheim
Director, Lands, Resources and Consultations
Metis Nation of Ontario
311-75 Sherbourne Street
Toronto, ON M5A 1P9

Dear Linda Norheim,

RE: Municipal Class Environmental Assessment for the City of Guelph's Water and Wastewater Servicing Master Plan

The City initiated the Water and Wastewater Servicing Master Plan (W/WW MP) update project in 2020.

The purpose of the W/WW MP is to ensure that Guelph's water and wastewater infrastructure support existing needs and the community's growth. This study will identify need for increases in system capacity, potential technological advances, changes to government legislation and opportunities to improve efficiency. Identifying these needs will help the City evaluate and prioritize individual projects to increase capacity in the existing system.

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<https://guelph.ca/plans-and-strategies/water-and-wastewater-servicing-master-plan/>

The City will be hosting our second Public Open House on November 29th, 2022 to present the work done to date, with a focus on the evaluated alternative solutions and preferred alternative, in accordance with the Class EA process. At this time, we also wanted to extend an invitation to Metis Nation of Ontario to review materials and provide feedback. We are happy to set up a meeting if that would be a more productive platform to provide an update and collect feedback.

The project is currently scheduled to be brought to Guelph City Council in the spring of 2023, with filing of the Project File with the Ministry of Environment, Conservation, and Parks following shortly after.

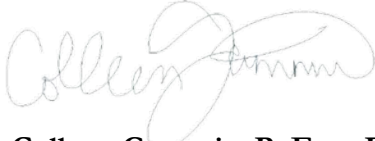
City Hall
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T 519-822-1260
TTY 519-826-9771

guelph.ca

Linda Norheim
October 31st, 2022
Page 2 of 2

Sincerely,

A handwritten signature in grey ink that reads "Colleen Gammie". The signature is written in a cursive style with a large, looping initial "C".

Colleen Gammie, P. Eng, PMP, Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
Location: 1 Carden Street, Guelph, ON, N1H 3A1

T **519-8221260 x 2282**
E **colleen.gammie@guelph.ca**

C Leslie Muñoz, Stephanie Bryenton

Notice of study completion

City of Guelph Municipal Class Environmental Assessment for Water and Wastewater Servicing Master Plan Update

The study

The City of Guelph has completed a Water and Wastewater Servicing Master Plan (W/WW MP) to review the City's existing distribution and collection system for both capacity constraints and required upgrades to existing infrastructure.

The W/WW MP updates the City's 2008 W/WW MP and serves as a decision support tool as well as a methodology for the prioritization of work and is foundational to the establishment of City policies. The study area focused on all lands within the city of Guelph municipal boundaries.

The process

The study followed the Master Planning Approach No. 1 in accordance with Environmental Assessment Act as per the Municipal Class Environmental Assessment (MCEA) document, October 2000, as amended in 2007, 2011, 2015 and 2023. As such, the W/WW MP addressed Phases 1 and 2 of the MCEA process at a high level, and identifies further study requirements for individual projects, where required. All projects that will proceed directly without further study are categorized as exempt from Environmental Assessment Act requirements, as described in the MCEA document.

The Class EA process included public/external agency consultation, an evaluation of alternative solutions and alternative design concepts, an assessment of potential impacts associated with the proposed improvements and the development of measures to mitigate identified impacts. In keeping with the Class EA process, various alternatives were developed, evaluated and a preferred alternative(s) selected. The following recommended improvements have been selected to address the needs of the City:

1. New Watermain, Reservoir and Pump Station at Arkell Road and Victoria Road
2. Watermain and facility upgrades
3. Wastewater sewer upgrades

Subject to comments received as a result of this notice, and receipt of necessary approvals, the City of Guelph intends to proceed with the recommendations documented in the Class EA Project File using a phased implementation approach pending funding.

The W/WW MP Report is available for review at <https://guelph.ca/plans-and-strategies/water-and-wastewater-servicing-master-plan/>. Interested persons should provide written comment to Reg Russwurm at the City of Guelph within 30 calendar days from the date of this notice (September 17th, 2023).

Reg Russwurm, MBA, P.Eng.
Manager, Design and Construction
reg.russwurm@guelph.ca

This Notice was issued on August 17th, 2023.

Information will be collected in accordance with the Municipal Freedom of Information and Protection of Privacy Act. With the exception of personal information, all comments will become part of the public record.

Michelle Scott

From: Colleen Gammie <Colleen.Gammie@guelph.ca>
Sent: Tuesday, August 8, 2023 3:36 PM
To: info@hdi.land
Cc: Reg Russwurm; Intergovernmental Relations
Subject: Guelph Water and Wastewater Servicing Master Plan - Notice of Study Completion
Attachments: 2023-08-08 Guelph WWW MP Update Letter_HCCC.pdf; WWW MP EA - Notice of Study Completion_Final.pdf

Dear Haudenosaunee Development Institute,

Please find attached a Project Update Letter for the City's Water and Wastewater Servicing Master Plan, as well as the Notice of Study Completion. The purpose of this letter is to provide you with an update on the project, share the location of final materials, and invite questions or comments. Please feel free to contact me (the City's Project Manager for this assignment) at the details below if you have any questions or feedback.

Thank you,

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph
519-822-1260 extension 2282
Mobile 226-332-4693
colleen.gammie@guelph.ca

guelph.ca

August 8th, 2023

Haudenosaunee Development Institute
Haudenosaunee Confederacy Chiefs Council
16 Sunrise Court, Suite 600
Ohsweken, ON N0A 1M0

Dear Haudenosaunee Development Institute,

RE: Municipal Class Environmental Assessment for the City of Guelph's Water and Wastewater Servicing Master Plan

The City initiated the Water and Wastewater Servicing Master Plan (W/WW MP) update project in 2020.

The purpose of the W/WW MP is to ensure that Guelph's water and wastewater infrastructure support existing needs and the community's growth. This study will identify need for increases in system capacity, potential technological advances, changes to government legislation and opportunities to improve efficiency. Identifying these needs will help the City evaluate and prioritize individual projects to increase capacity in the existing system.

The update to the W/WW MP has been completed according to the Municipal Engineers Association Municipal Class Environmental Assessment (as amended 2011, 2015, and 2023), which is an approved Class of Environmental Assessment under Ontario's Environmental Assessment Act, following Approach 1.

A Notice of Study Commencement was shared in January 2020, and an update was shared in October 2022. At this time, the City has completed the Master Plan Report and will be posting the file for public review, as well as notifying the Ministry of Environment, Conservation, and Parks. The Notice of Study Completion is attached to this letter, which will be published in newspaper in August.

More information about the project, including the full Master Plan Report, can be found on the City's project website: <https://guelph.ca/plans-and-strategies/water-and-wastewater-servicing-master-plan/>

With the completion of this study, many projects identified will proceed to design and construction, and some will require further study prior to commencement. Please feel free to reach out to the project team if you have questions or comments.

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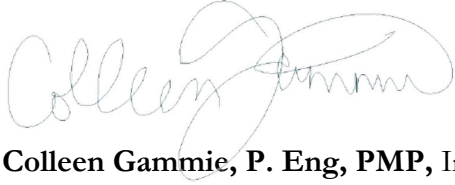
guelph.ca

Haudenosaunee Development Institute

August 8th, 2023

Page 2 of 2

Sincerely,

A handwritten signature in black ink that reads "Colleen Gammie". The signature is fluid and cursive, with the first name "Colleen" written in a larger, more prominent script than the last name "Gammie".

Colleen Gammie, P. Eng, PMP, Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
Location: 1 Carden Street, Guelph, ON, N1H 3A1

T 519-8221260 x 2282

E colleen.gammie@guelph.ca

C Reg Russwurm, Kimberly Krawczyk
Enclosed – Notice of Study Completion

Michelle Scott

From: Colleen Gammie <Colleen.Gammie@guelph.ca>
Sent: Tuesday, August 8, 2023 3:44 PM
To: Abby LaForme
Cc: Reg Russwurm; Intergovernmental Relations
Subject: Guelph Water and Wastewater Servicing Master Plan - Notice of Study Completion
Attachments: WWW MP EA - Notice of Study Completion_Final.pdf; 2023-08-08 Guelph WWW MP Update Letter_MCFN.pdf

Dear Abby,

Please find attached a Project Update Letter for the City's Water and Wastewater Servicing Master Plan, as well as the Notice of Study Completion. The purpose of this letter is to provide you with an update on the project, share the location of final materials, and invite questions or comments. Please feel free to contact me (the City's Project Manager for this assignment) at the details below if you have any questions or feedback.

Thank you,

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph
519-822-1260 extension 2282
Mobile 226-332-4693
colleen.gammie@guelph.ca

guelph.ca

August 8th, 2023

Abby LaForme
Consultation Coordinator, Department of Consultation and Accommodation
Mississaugas of the Credit First Nation
4065 Highway 6
Hagersville, ON N0A 1H0

Dear Abby LaForme,

**RE: Municipal Class Environmental Assessment for the City of Guelph's
Water and Wastewater Servicing Master Plan**

The City initiated the Water and Wastewater Servicing Master Plan (W/WW MP) update project in 2020. The purpose of the W/WW MP is to ensure that Guelph's water and wastewater infrastructure support existing needs and the community's growth. This study will identify need for increases in system capacity, potential technological advances, changes to government legislation and opportunities to improve efficiency. Identifying these needs will help the City evaluate and prioritize individual projects to increase capacity in the existing system.

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A Notice of Study Commencement was shared in January 2020, and we had the opportunity to meet in October 2021 to discuss things further. An update was shared in October 2022. At this time, the City has completed the Master Plan Report and will be posting the file for public review, as well as notifying the Ministry of Environment, Conservation, and Parks. The Notice of Study Completion is attached to this letter, which will be published in newspaper in August.

More information about the project, including the full Master Plan Report, can be found on the City's project website: <https://guelph.ca/plans-and-strategies/water-and-wastewater-servicing-master-plan/>

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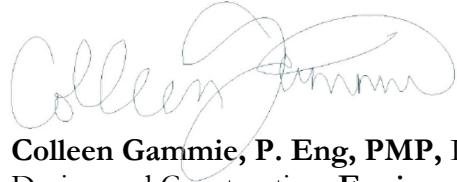
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Mississaugas of the Credit First Nation

August 8, 2023

Page 2 of 2

Sincerely,

A handwritten signature in cursive script that reads "Colleen Gammie". The signature is written in a light grey or blue ink.

Colleen Gammie, P. Eng, PMP, Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
Location: 1 Carden Street, Guelph, ON, N1H 3A1

T 519-8221260 x 2282

E colleen.gammie@guelph.ca

C Reg Russwurm, Kimberly Krawczyk
Enclosed – Notice of Study Completion

Michelle Scott

From: Colleen Gammie <Colleen.Gammie@guelph.ca>
Sent: Tuesday, August 8, 2023 3:50 PM
To: Consultations
Cc: Reg Russwurm; Intergovernmental Relations
Subject: Guelph Water and Wastewater Servicing Master Plan - Notice of Study Completion
Attachments: 2022-08-08 Guelph WWW MP Update Letter_MNO.pdf; WWW MP EA - Notice of Study Completion_Final.pdf

Dear Consultations at Métis Nation of Ontario,

Please find attached a Project Update Letter for the City's Water and Wastewater Servicing Master Plan, as well as the Notice of Study Completion. The purpose of this letter is to provide you with an update on the project, share the location of final materials, and invite questions or comments. Please feel free to contact me (the City's Project Manager for this assignment) at the details below if you have any questions or feedback.

Thank you,

Colleen Gammie, P. Eng, PMP (she/her), Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
City of Guelph
519-822-1260 extension 2282
Mobile 226-332-4693
colleen.gammie@guelph.ca

guelph.ca

August 8th, 2023

Consultations
Métis Nation of Ontario
311-75 Sherbourne Street
Toronto, ON M5A 1P9

Dear Consultations at Métis Nation of Ontario,

**RE: Municipal Class Environmental Assessment for the City of Guelph's
Water and Wastewater Servicing Master Plan**

The City initiated the Water and Wastewater Servicing Master Plan (W/WW MP) update project in 2020.

The purpose of the W/WW MP is to ensure that Guelph's water and wastewater infrastructure support existing needs and the community's growth. This study will identify need for increases in system capacity, potential technological advances, changes to government legislation and opportunities to improve efficiency. Identifying these needs will help the City evaluate and prioritize individual projects to increase capacity in the existing system.

The update to the W/WW MP has been completed according to the Municipal Engineers Association Municipal Class Environmental Assessment (as amended 2011, 2015, and 2023), which is an approved Class of Environmental Assessment under Ontario's Environmental Assessment Act, following Approach 1.

A Notice of Study Commencement was shared in January 2020, and an update was shared in October 2022. At this time, the City has completed the Master Plan Report and will be posting the file for public review, as well as notifying the Ministry of Environment, Conservation, and Parks. The Notice of Study Completion is attached to this letter, which will be published in newspaper in August.

More information about the project, including the full Master Plan Report, can be found on the City's project website: <https://guelph.ca/plans-and-strategies/water-and-wastewater-servicing-master-plan/>

With the completion of this study, many projects identified will proceed to design and construction, and some will require further study prior to commencement. Please feel free to reach out to the project team if you have questions or comments.

City Hall
1 Carden St
Guelph, ON
Canada
N1H 3A1

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TTY 519-826-9771

guelph.ca

Métis Nation of Ontario

August 8th, 2023

Page 2 of 2

Sincerely,

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Colleen Gammie, P. Eng, PMP, Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
Location: 1 Carden Street, Guelph, ON, N1H 3A1

T 519-8221260 x 2282

E colleen.gammie@guelph.ca

C Reg Russwurm, Kimberly Krawczyk
Enclosed – Notice of Study Completion

Michelle Scott

From: Colleen Gammie <Colleen.Gammie@guelph.ca>
Sent: Tuesday, August 8, 2023 3:48 PM
To: Peter Graham
Cc: Reg Russwurm; Intergovernmental Relations
Subject: Guelph Water and Wastewater Servicing Master Plan - Notice of Study Completion
Attachments: 2023-08-08 Guelph WWW MP Update Letter_Six Nations.pdf; WWW MP EA - Notice of Study Completion_Final.pdf

Dear Peter,

Please find attached a Project Update Letter for the City's Water and Wastewater Servicing Master Plan, as well as the Notice of Study Completion. The purpose of this letter is to provide you with an update on the project, share the location of final materials, and invite questions or comments. Please feel free to contact me (the City's Project Manager for this assignment) at the details below if you have any questions or feedback.

Thank you,

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Design and Construction, **Engineering and Transportation Services**
City of Guelph
519-822-1260 extension 2282
Mobile 226-332-4693
colleen.gammie@guelph.ca

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August 8th, 2023

Peter Graham
Land Use Officer
Department of Lands and Resources
Six Nations of the Grand River
Peter.graham@sixnations.ca

Dear Peter Graham,

**RE: Municipal Class Environmental Assessment for the City of Guelph's
Water and Wastewater Servicing Master Plan**

The City initiated the Water and Wastewater Servicing Master Plan (W/WW MP) update project in 2020. The purpose of the W/WW MP is to ensure that Guelph's water and wastewater infrastructure support existing needs and the community's growth. This study will identify need for increases in system capacity, potential technological advances, changes to government legislation and opportunities to improve efficiency. Identifying these needs will help the City evaluate and prioritize individual projects to increase capacity in the existing system.

The update to the W/WW MP has been completed according to the Municipal Engineers Association Municipal Class Environmental Assessment (as amended 2011, 2015, and 2023), which is an approved Class of Environmental Assessment under Ontario's Environmental Assessment Act, following Approach 1.

A Notice of Study Commencement was shared in January 2023, and we had the opportunity to meet in July 2021 to discuss things further. An update was shared in October 2022. At this time, the City has completed the Master Plan Report and will be posting the file for public review, as well as notifying the Ministry of Environment, Conservation, and Parks. The Notice of Study Completion is attached to this letter, which will be published in newspaper in August.

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guelph.ca

Peter Graham

August 8th, 2023

RE: Municipal Class Environmental Assessment for the City of Guelph's Water and
Wastewater Servicing Master Plan

Page 2 of 2

Sincerely,

A handwritten signature in cursive script that reads "Colleen Gammie".

Colleen Gammie, P. Eng, PMP, Infrastructure Planning Engineer
Design and Construction, **Engineering and Transportation Services**
Location: 1 Carden Street, Guelph, ON, N1H 3A1

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