





Foreword by the General Manager

On behalf of the Region of Peel, I am pleased to introduce the 2020 Water and Wastewater Master Plan for the Lake-Based Systems ("the Master Plan"). This report is the culmination of over three years of work and effort by our staff and others. As General Manager of Water and Wastewater, I am proud of what the project team has achieved. Thank you to everyone who contributed their thoughts, expertise, ideas and time to the development of this master plan.

The study followed the municipal Class Environmental Assessment process and the report will be available for public review beginning on June 29, 2020. The Master Plan report consists of five volumes, each with a focus on:

- 1. Executive Summary
- 2. Background and Planning Context
- 3. Water Master Plan
- 4. Wastewater Master Plan
- 5. Public and Agency Consultation

The 2020 Water and Wastewater Master Plan has been informed and enriched by extensive collaboration with internal and external stakeholders. This collaboration included local municipal partners and the development industry as part of a comprehensive and enhanced approach to plan and manage future growth in the Region. Other enhancements to this Master Plan are the inclusion of organic loading projections at the wastewater treatment plants, in addition to hydraulic flow projections, and new distinct design criteria for residential and non-residential growth.

As one of the fastest growing municipalities in Ontario, the Region of Peel is expected to add 542,000 residents and 275,000 jobs over the next 20 years, growing to almost two million people by 2041. Recognizing these increased demands on the water and wastewater systems, the Region needs to develop financially and environmentally sustainable long-term servicing strategies that are aligned to service these needs.

We acknowledge that, at the time of filing this document, our world is experiencing unprecedented disruption due to a global pandemic caused by COVID-19. The Region of Peel remains under the State of Emergency it declared on March 18, 2020. During this difficult period Public Works, as an essential service provider, has continued to operate and maintain our existing infrastructure and plan for future growth. While we recognize that COVID-19 may challenge our planning assumptions, it is too early to assess the extent of impacts on projected growth and implementation of the capital program. As always, our approach to master planning is to remain flexible and adjust the plan to adapt to changing needs. We will continue to confront these challenges and others on an annual basis when completing the capital budget and through the Region's ongoing growth management program.

We look forward to continued collaboration with partners, stakeholders and residents as we implement, monitor and update the plan over time to meet Peel's water and wastewater servicing needs over the next 20 years and beyond.

Ultimately, our goal is to efficiently and effectively deliver services that support our communities to be healthy, complete and resilient. I encourage you to read through the document to learn more and to engage with our staff when you have questions.

Sincerely,

Anthony Parente, P.Eng. (Acting) General Manager, Water and Wastewater, Public Works Region of Peel

2020 Water and Wastewater Master Plan for the Lake-Based Systems Class Environmental Assessment Study Report Outline

The report for the 2020 Water and Wastewater Master Plan for the Lake-based Systems ("2020 Master Plan") is a comprehensive document that describes the planning, evaluation, and decision-making process for developing the long-term water and wastewater strategies in the Region of Peel. The master plan documentation is compliant with the requirements of the *Environmental Assessment Act* and is being placed on public record for the prescribed review period.

The 2020 Master Plan Report is organized into five volumes:



Volume 1 – Executive Summary

Provides a brief overview of the 2020 Master Plan. It summarizes the information contained in Volumes 2, 3, 4 and 5, including problem statement, purpose of the study, planning, policy and technical considerations, and description of the preferred water and wastewater servicing strategies, including depiction of the projects and capital programs.



Volume 2 – Background and Planning Context

Details the master planning process including the Class EA process for Master Plans, related studies and background information, legislative and policy planning context, water and wastewater servicing principles and policies, population and employment growth forecasts, existing environmental and servicing conditions and future considerations.



Volume 3 – Water Master Plan

Provides the comprehensive documentation for the water system and details the study objectives, approach, methodologies, technical analyses, evaluation and selection of the preferred water servicing strategy. This volume contains baseline water system data and performance information. This volume documents the water servicing strategy development, with detailed information on the projects and capital program associated with the preferred water servicing strategy.



Volume 4 – Wastewater Master Plan

Provides the comprehensive documentation for the wastewater system and details the study objectives, approach, methodologies, technical analyses, evaluation and selection of the preferred wastewater servicing strategy. This volume contains baseline wastewater system data and performance information. This volume documents the wastewater servicing strategy development, with detailed information on the projects and capital program associated with the preferred wastewater servicing strategy.



Volume 5 – Public and Agency Consultation

Contains all relevant documentation of the public consultation process including notices, comments and responses, and distribution information. Presentation material from all public information centres (PICs) held during the process is included. Additional presentation materials and discussion information from workshops held with relevant agencies, approval bodies and other stakeholders are also included.

The following sections present Volume 1 which is one of five volumes that make up the complete 2020 Master Plan Report and should be read in conjunction with the other volumes.

Table of Contents

1.0 Introduction1	
1.1 Background1	
1.2 Water and Wastewater Master Plan Objectives2	
1.3 Problem Opportunity Statement2	
1.4 Study Area3	,
2.0 Planning Context	;
2.1 Growth Management Strategy5)
2.2 Population and Employment Planning Forecasts6	,
2.3 Implementation and Financing7	,
2.3.1 Development Charges Input	/
2.3.2 Implementation	2
3.0 Servicing Principles and Policy10)
4.0 Master Plan Servicing Strategy Development12	2
5.0 Preferred Water Servicing Strategy14	ŀ
5.1 Capital Program for the Preferred Water Servicing Strategy15	,
6.0 Preferred Wastewater Servicing Strategy	3
6.1 Capital Program for the Preferred Wastewater Servicing Strategy)
7.0 Intensification and Post-2041 Vision)
7.1 2041 Intensification	
7.2 Post-2041 Vision	

1.0 Introduction

- 1.1 Background
- 1.2 Water and Wastewater Master Plan Objectives
- 1.3 Problem Opportunity Statement
- 1.4 Study Area

1.0 Introduction

1.1 Background

The Region of Peel is made up of three local municipalities: the City of Mississauga, the City of Brampton, and the Town of Caledon. Located in southern Ontario, the Region of Peel is part of the Greater Golden Horseshoe area, one of the most dynamic and fast-growing regions in Canada and North America.

The Region of Peel is responsible for water treatment, transmission and distribution mains, storage facilities and pumping stations, as well as wastewater treatment, sanitary sewers, force mains and sewage pumping stations. The Region builds and maintains infrastructure to treat, deliver and move water and wastewater across the Region.



As one of the fastest growing municipalities in Ontario, the Region of Peel and its Public Works department recognizes that readily available and accessible public water and wastewater infrastructure is essential to the viability of existing and growing communities across the Region. The *Places to Grow Act* and supporting documentation has identified the 2041 residential and employment projection for the Region of Peel. The Region of Peel's population is expected to grow to almost 2 million people by 2041. This means that by 2041, the Region needs to accommodate water and wastewater servicing for over 542,000 new residents and 275,000 additional jobs.

To balance the needs of growth with the protection and preservation of natural, environmental and heritage resources, the Region of Peel initiated an update of its water and wastewater master plan.

The 2020 Water and Wastewater Master Plan for the Lake-Based Systems ("2020 Master Plan") is a study intended to address the increasing demands on the Region's water and wastewater infrastructure. The study provides a review, evaluation, and development of water and wastewater servicing strategies for all servicing needs within the lake-based systems in the cities of Mississauga and Brampton and parts of the Town of Caledon. The 2020 Master Plan does not examine the groundwater-based systems or communal wastewater systems in Caledon as they are addressed separately by the Region.

The 2020 Master Plan builds on previous work undertaken as part of the 1999 Master Plan, the 2002 Master Plan Addendum, the 2007 Master Plan, and the 2013 Master Plan. The master plan is a critical component of the Region's growth management strategy and will provide the framework and vision for the water and wastewater servicing needs for the lake-based service areas of the Region to 2041 and beyond. In addition, the 2020 Master Plan serves as the basis for short-term and long-term infrastructure programming and capital budgeting. The 2020 Master Plan is the foundation for the water and wastewater program as part of the Region of Peel's Development Charges (DC) Background Study and By-law update.

1.2 Water and Wastewater Master Plan Objectives

The 2020 Master Plan comprehensively documents the development, evaluation and selection of the preferred water and wastewater servicing strategies to meet the servicing needs of existing and future development to 2041.

The key objectives of the 2020 Water and Wastewater Master Plan are as follows:

- Identify a preferred lake-based water and wastewater servicing strategy to support existing servicing needs and projected growth.
- Coordinate with the Regional Official Plan Amendment (ROPA), which guides provincially mandated growth within the Region to 2041.
- Emphasis on intensification impacts, consideration of post-2041 growth and alignment with the Regional Strategic Plan.
- Provide the need, timing and cost of servicing and infrastructure.
- Follow the Municipal Class Environmental Assessment process for master plans.

The 2020 Master Plan study incorporates the latest planning information, modelling tools, historical flow and demand data, and servicing studies to complete a full review and update of the servicing strategies. The study also reviews the Region's capital plan to meet the current servicing agreements with York Region and the City of Toronto.

This study follows Approach 1 of the Class Environmental Assessment (EA) process for master plans. The approach involves preparing a master plan document at the conclusion of Phase 1 and 2 of the Class EA process. This approach allows for Schedule A, A+ identified in the master plan to move forward to implementation and become the basis for future investigations for specific Schedule B and C projects.

1.3 Problem Opportunity Statement

The problem or opportunity statement defines the principal starting point in the undertaking of the Class EA study and assists in defining the scope of the project. The problem or opportunity statement for the 2020 Master Plan for the Lake-Based Systems is defined as follows:

The Region of Peel has completed several updates to the water and wastewater master plan, completing the most recent update in 2013.

With an updated planning horizon to 2041, the Master Plan needs to be updated to determine how the Region's water and wastewater infrastructure will support growth in a sustainable and financially responsible manner.

The Master Plan will develop a long-term servicing strategy and capital forecast to ensure level of service for existing residents and businesses, to support future growth in the community through 2041, and to consider potential impacts post-2041.

1.4 Study Area

The Region of Peel is situated in the west-central inner ring of the Greater Golden Horseshoe area. The Region is bounded to the north by Dufferin County and Simcoe County, to the south by Lake Ontario, to the east by the City of Toronto and York Region, and to the west by Halton Region and Wellington County.

The Region of Peel is made up of three local municipalities: the City of Mississauga; the City of Brampton; and the Town of Caledon, as shown in **Figure 1**. The Region includes a diverse mix of urban, suburban, rural, agricultural and natural landscapes including the Oak Ridges Moraine, the Niagara Escarpment and the Greenbelt.

The Region of Peel covers an area of 1,247 square kilometres with a population of approximately 1.4 million people as listed in the 2016 census. The study area covers the existing and future lake-based water and wastewater systems. The groundwater-based systems and communal wastewater system in Caledon are not included in the scope of this study.



Figure 1 – Study area for the 2020 Water and Wastewater Master Plan.

2.0 Planning Context

- 2.1 Growth Management Strategy
- 2.2 Population and Employment Planning Forecasts
- 2.3 Implementation and Financing
- 2.4 Future Considerations

2.0 Planning Context

2.1 Growth Management Strategy

The Growth Management Strategy is a collaborative and integrated approach to plan and manage forecasted growth in the Region. As part of the growth management exercise, innovative strategies, including substantial engagement of key stakeholders, have been developed to support the planning, servicing and financing of growth to 2041. This new integrated approach has resulted in a comprehensive framework that includes Official Plan updates, transportation master plan updates, water and wastewater master plan updates, and financial planning updates. The 2020 Master Plan is one component of the Region's Growth Management Strategy that is being coordinated and implemented as part of the integrated approach. This integrated process will provide policy, servicing and financial capital inputs to the next Development Charges By-law update.

The enhanced consultation process under the Growth Management Strategy has included meetings with key stakeholders including the local municipalities and representatives of the Building Industry and Land Development Association (BILD). The Local Municipalities and BILD have been involved and consulted on key items including: location and rate of development, infrastructure needs, infrastructure planning principles, financial impacts and Development Charges (DC) impacts.

The 2020 Master Plan is developed based on the growth allocations endorsed for capital planning purposes and developed through the Growth Management Strategy to date.



2.2 Population and Employment Planning Forecasts

As part of the Integrated Growth Management Strategy, a draft Growth Management Regional Official Plan Amendment (ROPA) was prepared. The ROPA implements the growth management policies of the Provincial Growth Plan and provides a framework for further implementation work. The ROPA allocates the Province's 2041 growth projections to the local municipalities taking in consideration their input. The Growth Management ROPA is one focus area of the overall Peel 2041 Official Plan review process.

The growth allocation incorporated into the draft ROPA reflects the integrated master planning process associated with the Growth Management Strategy.

Table 1 and **Table 2** present planning forecasts included in the Draft ROPA for Scenario 16 (Council endorsed growth scenario for capital planning purposes) with the distribution of population and employment growth among the local municipalities.

Municipality	2016	2021	2026	2031	2036	2041	
Brampton	614,000	683,000	750,000	812,000	854,000	890,000	
Caledon	69,000	81,000	99,000	116,000	138,000	160,000	38% increase
Mississauga	746,000	778,000	805,000	842,000	880,000	920,000	+ 541,000 people
Total	1,429,000	1,542,000	1,654,000	1,770,000	1,872,000	1,970,000	

Table 1 – Forecasted residential population for the Region of Peel to 2041.

Forecasts include the total Region of Peel residential population and include both serviced and un-serviced population. The serviced residential population of the lake-based water and wastewater systems is less than the above numbers.

Table 2 – Forecasted employment force for the Region of Peel to 2041.

Municipality	2016	2021	2026	2031	2036	2041	
Brampton	191,000	231,000	260,000	285,000	303,000	325,000	
Caledon	27,000	36,000	44,000	51,000	64,000	80,000	40% increase
Mississauga	477,000	502,000	520,000	534,000	547,000	565,000	+ 275,000 jobs
Total	695,000	769,000	824,000	870,000	914,000	970,000	

Forecasts include the total Region of Peel employment force and include both serviced and un-serviced employment. The serviced employment force of the lake-based water and wastewater systems is less than the above numbers. Total employment includes work from home (WFH) and no fixed place of work (NFPOW) categories.

2.3 Implementation and Financing

2.3.1 Development Charges Input

A detailed capital program was developed for the preferred water and wastewater strategies. The cost estimates for the complete list of projects forms the basis for the Development Charges (DC) Background Study, which will be required for an update to the Region's Development Charges By-law. The master plan program is primarily growth-driven, to meet 2041 growth needs, however, other benefits of the program such as Benefit to Existing (BTE) and Out of By-law (OBL) will be reviewed as part of the DC process. All projects that are subject to either BTE or OBL are reviewed on a case-by-case basis. The methodology for the cost splits will be outlined in the DC Background Study.

2.3.2 Implementation

The 2020 Master Plan sets out to satisfy the Environmental Assessment (EA) Approach 1 requirements according to the Municipal Engineers Association (MEA) Class EA document. The Class EA requirements for each project have been identified in the capital program. Schedule A and A+ projects may move forward to design and construction, with A+ projects requiring public notification prior to implementation. The 2020 Master Plan was prepared as a broad level assessment and recognizes that further detailed assessment will be required through separate studies to satisfy project specific fulfillment of the MEA Class EA requirements for Schedule B and C projects identified within the Master Plan.

During the next steps of project implementation, further studies and requirements may be needed including but not limited to:

- Refinement of infrastructure locations and alignments
- Review and confirmation of potential property requirements
- Identification of preferred construction methodologies
- Completion of additional supporting investigations as required (e.g., source water protection climate change impacts, geotechnical, hydrogeological, etc.)
- Review and mitigation of potential construction related impacts
- Fulfillment of all provincial, municipal and conservation authority approval requirements

Additionally, final costs and timing of projects will be further refined during subsequent phases of project implementation.

At the time of completion of this document, the world was going through a social disruption due to Covid-19. Implications of this disruption on growth are uncertain at this time, and it is also uncertain how this may impact timing and implementation of the master plan capital program. In the longer term, the overall program and servicing strategies will remain valid, however the 2020 Master Plan reflects the best information available at this time. Through the Region's integrated approach to growth management, the plan will be refined to reflect any short, medium and long term impacts resulting from the pandemic.

2.4 Future Considerations

The 2020 Master Plan was focused on developing a long-term servicing strategy to meet the needs of future growth to 2041 while supporting the appropriate level of service to existing residents and businesses. The 2020 Master Plan also considered potential impacts beyond 2041 including the following considerations:

Buildout Growth and Higher Intensification – Buildout growth and higher intensification were considered in the development of the water and wastewater strategies and for specific projects that were strategically oversized to account for an estimated level of growth beyond the planning projections. However, it is understood that the buildout growth is a theoretical estimate driven by several variables and is subject to changes in the market, development pressures, etc. As such, impacts of buildout on servicing strategies and currently planned projects will require continual review and update.

GTA West Transportation Corridor – The GTA West Corridor Environmental Assessment Study is scheduled to be completed by the end of 2022. The capital projects included in the 2020 Master Plan have taken into consideration potential impacts from preliminary information related to the GTA West Corridor. However, the strategies and recommended infrastructure will require further review as more detailed information is available on the GTA West Corridor and the anticipated increased growth and intensification that is likely to occur along the corridor.

GTAA Union Station West – Union Station West and future development and intensification in the Airport Employment Zone will likely increase water demands and wastewater flows in the system. This could have an impact on the existing and current planned water and wastewater infrastructure in the area, but also on the servicing strategies developed in the master plan. The 2020 Master Plan has considered this impact, but the servicing strategies are based on the ROPA level of growth in this area at this time.

Higher Order Transit – As with other major transportation infrastructure developments in the Region, the impacts on the existing and planned water and wastewater infrastructure by higher order transit projects should be considered. Potential impacts could include relocation of infrastructure and increased water demands and wastewater flows in the system due to intensification along new corridors and transit nodes. The 2020 Master Plan has reviewed major infrastructure alignments and coordinated with transportation information available at this time. Detailed, area-specific servicing studies would be required to determine specific infrastructure impacts related to higher order transit.

Climate Change – Adaptation to climate change is one of the guiding principles in the development of servicing strategies that make up the 2020 Master Plan. Factors such as maximizing the use of existing infrastructure, designing systems for more frequent and intense wet weather events, preference for gravity versus pumped solutions, and providing for adequate system security, among others, were considered in the context of climate change and the development of servicing strategies.

3.0 Servicing Principles and Policy

3.0 Servicing Principles and Policy

Development of water and wastewater principles and policies are integral to provide guidelines and direction to the master planning process, as well as to the identification and evaluation of servicing strategies.

Through the course of the master plan process, priority policy areas were brought forward including:

- Health and safety
- System reliability and security
- Operational flexibility and level of service
- Impacts of climate change
- Considerations to energy use and efficiency
- Recognition of impacts from water efficiency and conservation
- Addressing issues related to the full lifecycle of water and wastewater services.

In general, the Region's goal is to build and maintain efficient, reliable, sustainable, and well-managed water and wastewater systems that provide a high level of service to the public. To capture these goals, the servicing principles and policies are structured as follows:

General Policies	Water Policies	Wastewater Policies
G.01: Municipal Servicing	W.01: Health and Safety	WW.01: Health and Safety
G.02: Environmental Protection	W.02: Raw Water Quality	WW.02: Receiving Water Bodies
G.03: Planning Horizon	W.03: Treatment and	WW.03: Wastewater Treatment
G.04: Reserve Capacity	Distribution Water Quality	and Collection
G.05: System Reliability and Security	W.04: Water Demand Projections	WW.04: Wastewater Flow
G.06: Location of Municipal	W.05: Distribution Requirements	Projections
Services and Facilities	W.06: Fire Flow Requirements	WW.05: Separated Wastewater
G.07: Climate Change	W.07: Water Efficiency and	MMMOG: Mactowater Collection
G.08: Energy Efficiency	Consumption Trends	and Pumping Systems
G.09: Integrated Infrastructure Program	W.08: Water Supply and Distribution Security	WW.07: Wet Weather Flow Criteria
G.10: Level of Service	W.09: Design Criteria	
G.11: Inter-Regional	W.10: Costing Criteria	
Collaboration	W.11: Pressure Zone Boundaries	
G.12: Sustainability		
G.13: Source Water Protection		

G.14: Term of Council Priorities

4.0 Master Plan Servicing Strategies Development

4.0 Master Plan Servicing Strategy Development

The identification and evaluation of servicing options is a fundamental component of the master planning process. The servicing strategies development process allows for a comprehensive review of various servicing solutions that is completed through a transparent process to fully demonstrate the decision-making and to provide defensible recommended strategies.

Consistent with previous water and wastewater master plans, each system was considered in isolation with the list of opportunities, issues, and constraints in mind, both within the larger Regional context and at the localized service level. The 2020 Master Plan revisited concepts and strategies outlined in the previous master plans from a new perspective to take into consideration key changes that are critical for the Region's infrastructure plan moving forward. The purpose of this process was to validate current water and wastewater servicing strategies, but also to ensure that all options are reconsidered while highlighting why the preferred servicing solutions were chosen.

Key changes since the previous master plan include:

- Planning projections to the new 2041 planning horizon.
- Expansion of the future lake-based servicing boundary to areas north of Mayfield Road and west Bolton.
- Changes to master plan evaluation criteria, including the addition of the innovation/adaptation criteria.
- Increased focus on climate change considerations in the Region's decision-making and planning processes.

Sustainability principles were also considered in the development of the 2020 Master Plan and were integrated within the development of servicing strategies, such as:

- 1. Making best use of existing infrastructure.
- 2. Minimizing the cost of new infrastructure.
- 3. Considering operation and maintenance costs to ensure financial sustainability.
- 4. Ensuring the long-term reliability and security of the water and wastewater systems.
- 5. Increasing system resiliency to climate change.
- 6. Avoiding disruptions to natural and cultural heritage resources.
- 7. Minimizing environmental crossings and other disruptions to the environment.
- 8. Planning for future infrastructure within the existing road right-of-way, where possible.
- 9. Avoiding/reducing production of greenhouse gas (GHG) emissions.
- 10. Preventing impact to areas that could represent a significant drinking water threat.

5.0 Preferred Water Servicing Strategy

5.1 Capital Program for the Preferred Water Servicing Strategy

5.0 Preferred Water Servicing Strategy

The preferred water servicing strategy is a combination of system-wide recommendations, area-specific servicing solutions, plus water system and facility recommendations collectively addressing the water needs of the Region of Peel out to year 2041.

The preferred water servicing strategy is outlined in Figure 2 and was developed to ensure that:

- Extension of the existing lake-based water system is aligned with existing Regional and Local planning policies.
- Use of the existing water system and facilities is maximized and used as the backbone for new infrastructure to meet the planned 2041 needs.
- Strategic oversizing of infrastructure, where justified, is planned to support growth beyond 2041.
- The master plan recommendations were developed by, and provided feedback to, the Region's Growth Management Strategy through an integrated process.

Zone 7

- Extension of distribution network.
- New West Caledon Transmission Main.
- New floating storage: West Caledon Elevated Tank.

Zone 6

- New Victoria Transmission Main.
- · Extend watermains into northwest Brampton Greenfield.
- New secondary feed to West Bolton
- New floating storage: Victoria Reservoir.

Zone 5

- Extend watermains for Greenfield growth.
- Improve connectivity between Williams Parkway and supplement Downtown Brampton Intensification.
- Extend servicing into Uptown Brampton Growth Area.

Zone 4

 Improve feed to East Brampton Zone 4 Reservoir via East Brampton Transmission Main Twinning.

Zone 3

- Increase transmission and pumping capacity to move water north.
- New watermains to support growth within intensification areas.

Zone 2

- Increase transmission and pumping capacity to move water north.
- Queensway Zone 1/2 switchover and connection to Silverthorn

Zone 1

Support growth and pressure zone interconnectivity.

Water Treatment

- Plants will meet capacity needs to 2041.
- A.P. Kennedy reservoir expansion.

Region of York

 Peel will continue to provide water to York Region as per existing agreement.

Figure 2 – Preferred water servicing strategy for the lake-based system.



5.1 Capital Program for the Preferred Water Servicing Strategy

Based on the preferred water servicing strategy, a detailed capital program was established to support the servicing needs of existing and future growth of the Region of Peel lake-based system to 2041.

The water capital program will work as a foundation for the Region of Peel capital budget. The water capital program is a comprehensive list of projects complete with description, costs and timing. This program is not only a list of capital investment, it also represents new infrastructure that will require future operation and maintenance costs. Capital costs in combination with the ongoing operation and maintenance costs for the Region's infrastructure.

Table 3 presents a summary of the capital program, by key infrastructure type, for the preferred water servicing strategy.

Infrastructure Type	Total Estimated Cost (\$2020)
Transmission Mains	\$ 831,936,000
Sub-Transmission Mains	\$ 709,953,000
Distribution Mains	\$ 495,662,000
Pumping Stations	\$ 62,374,000
Storage	\$ 164,360,000
Treatment	\$ 209,225,000
Total Water Capital Program Cost	\$ 2,473,509,000

Table 3 – Water capital program summary.

Note: Cost estimates rounded to nearest \$1,000

The capital program map for the preferred water servicing strategy is shown in **Figure 3**. The water capital program map presents the general location and extents of the projects that form the preferred servicing strategy.

The complete capital program table for the preferred water servicing strategy is shown in **Table 4**. The capital program table contains project descriptions, project type, location, proposed sizing, proposed timing, and estimated total project cost.

The Class EA requirements for each project have been identified in the capital program. Schedule A and A+ projects may move forward to design and construction, with A+ projects requiring public notification prior to implementation. The 2020 Master Plan was prepared at a broad level and recognizes that further detailed assessment will be required through separate studies to satisfy project-specific fulfillment of the MEA Class EA requirements for Schedule B and C projects identified within the master plan.

VOLUME 1 – EXECUTIVE SUMMARY



Figure 3 – Preferred water servicing strategy for the lake-based system.



Table 4 – Capital program table for the preferred water servicing strategy.

Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Pressure Zone	Class EA	Project Type
W-D-001	400-mm Water Main - Future Financial Drive (Bram West)	Construction of a 400-mm water main on the future Financial Drive from Heritage Road to Winston Churchill Boulevard.	2023	Brampton	5	Schedule A+	WDM
W-D-003	400-mm Water Main - Bovaird Drive West	Construction of a 400-mm water main on Bovaird Drive West from Heritage Road to a future street.	2030	Brampton	6	Schedule A+	WDM
W-D-004	600-mm Water Main - Future Sandalwood Parkway West	Construction of a 600-mm water main on the future Sandalwood Parkway West from Mississauga Road to Heritage Road.	2032	Brampton	6	Schedule A+	WDM
W-D-005	400-mm Water Main - Future Street (Heritage Heights)	Construction of a 400-mm water main on a future street from Heritage Road to 750 metres westerly.	2029	Brampton	6	Schedule A+	WDM
W-D-007	400-mm Water Main - Wanless Drive	Construction of a 400-mm water main on Wanless Drive from Mississauga Road to Heritage Road.	2034	Brampton	6	Schedule A+	WDM
W-D-008	400-mm Water Main - Wanless Drive	Construction of a 400-mm water main on Wanless Drive from Winston Churchill Boulevard to Heritage Road.	2035	Brampton	6	Schedule A+	WDM
W-D-009	400-mm Water Main - Mayfield Road	Construction of a 400-mm water main on Mayfield Road from Heritage Road to Winston Churchill Boulevard.	2038	Brampton	6	Schedule A+	WDM
W-D-010	600-mm Water Main - Countryside Drive (Highway 427 Industrial)	Construction of a 600-mm water main on Countryside Drive from Clarkway Drive to the future north-south road.	2025	Brampton	5	Schedule A+	WDM
W-D-011	600-mm Water Main - Clarkway Drive (Highway 427 Industrial)	Construction of a 600-mm water main on Clarkway Drive from Countryside Drive to Mayfield Road.	2026	Brampton	5	Schedule A+	WDM
W-D-012	400-mm Water Main - Future East- West Road (Highway 427 Industrial)	Construction of a 400-mm water main on the future east- west road from The Gore Road to Clarkway Drive.	2023	Brampton	5	Schedule A+	WDM
W-D-013	400-mm Water Main - Future East- West Road (Highway 427 Industrial)	Construction of a 400-mm water main on the future east- west road from Coleraine Drive to the future north-south road.	2026	Brampton	5	Schedule A+	WDM
W-D-014	400-mm Water Main - New Road A (Bram West)	Construction of a 400-mm water main on New Road A (Bram West) from Winston Churchill Boulevard to Heritage Road.	2027	Brampton	5	Schedule A+	WDM
W-D-015	400-mm Water Main - Winston Churchill Boulevard	Construction of a 400-mm water main on Winston Churchill Boulevard from New Road A (Bram West) to the future Bramwest Parkway.	2028	Brampton	5	Schedule A+	WDM
W-D-021	400-mm Water Main - Heart Lake Road (Mayfield West Phase 1)	Construction of a 400-mm water main on Heart Lake Road from Mayfield Road to Abbotside Way.	2019	Caledon	7	Schedule A	WDM
W-D-023	600-mm Water Main - Future Street (Highway 427 Industrial)	Construction of a 600-mm water main on the future north- south road from the future east-west road to Countryside Drive.	2025	Brampton	5	Schedule A+	WDM
W-D-025	400-mm Water Main - Future Inspire Boulevard (Countryside Villages)	Construction of a 400-mm water main on the future Inspire Boulevard from Bramalea Road to approximately 700 metres westerly.	2019	Brampton	6	Schedule A+	WDM
W-D-026	400-mm Water Main - Future Inspire Boulevard (Countryside Villages)	Construction of a 400-mm water main on the future Inspire Boulevard from 310 metres east of Bramalea Road to Torbram Road.	2019	Brampton	6	Schedule A+	WDM

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)
400 mm	1440	\$ 3,647,200
400 mm	690	\$ 1,702,400
600 mm	1360	\$ 3,701,200
400 mm	750	\$ 1,365,000
400 mm	1380	\$ 2,809,200
400 mm	1470	\$ 2,954,100
400 mm	1460	\$ 4,892,100
600 mm	500	\$ 2,092,300
600 mm	1240	\$ 3,230,100
400 mm	1400	\$ 2,513,700
400 mm	880	\$ 1,153,800
400 mm	1480	\$ 2,609,600
400 mm	1780	\$ 3,451,700
400mm	750	\$ 2,500,000
600 mm	1640	\$ 4,656,100
400 mm	700	\$ 1,568,360
400 mm	1100	\$ 1,868,220



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Pressure Zone	Class EA	Project Type
W-D-027	400-mm Water Main - Highway 50	Construction of a 400-mm water main on Highway 50 from Castlemore Road to Coleraine Drive.	2018	Brampton	5	Schedule A+	WDM
W-D-028	400-mm Water Main - Queen Street East	Construction of a 400-mm water main on Queen Street East from Kennedy Road to Highway 410.	2031	Brampton	5	Schedule A+	WDM
W-D-029	400-mm Water Main - Derry Road West (Ninth Line Lands)	Construction of a 400-mm water main on Derry Road West from Tenth Line West to Ninth Line.	2024	Mississauga	5	Schedule A+	WDM
W-D-030	400-mm Water Main - Ninth Line (Ninth Line Lands)	Construction of a 400-mm water main on Ninth Line from Derry Road West to Terragar Boulevard.	2024	Mississauga	5	Schedule A+	WDM
W-D-031	400-mm Water Main - Future Clark Boulevard	Construction of a 400-mm water main on future extension of Clark Boulevard from Rutherford Road to Hansen Road South.	2022	Brampton	5	Schedule A+	WDM
W-D-032	600-mm Water Main - Hurontario Street	Construction of a 600-mm water main on Hurontario Street from Dougall Avenue to the future east-west road in Mayfield West Phase 2.	2021	Caledon	7	Schedule A+	WDM
W-D-033	600-mm Water Main - Hurontario Street	Construction of a 600-mm water main on Hurontario Street from Mayfield Road to the future east-west road in Mayfield West Phase 2.	2021	Brampton Caledon	7	Schedule A+	WDM
W-D-034	400-mm Water Main - Future East- West Road (Mayfield West Phase 2)	Construction of a 400-mm water main on the future east- west road in Mayfield West Phase 2 from Hurontario Street to McLaughlin Road.	2019	Caledon	7	Schedule A+	WDM
W-D-035	400-mm Water Main - Future East- West Road (Mayfield West Phase 2)	Construction of a 400-mm water main on the future east- west road in Mayfield West Phase 2 from McLaughlin Road to Chinguacousy Road.	2019	Caledon	7	Schedule A+	WDM
W-D-036	600-mm Water Main - Chinguacousy Road (Mayfield West Phase 2)	Construction of a 600-mm water main on Chinguacousy Road from Mayfield Road to the future east-west road in Mayfield West Phase 2.	2019	Caledon	7	Schedule A+	WDM
W-D-037	400-mm Water Main - McVean Drive	Construction of a 400-mm water main on McVean Drive from Countryside Drive to Mayfield Road.	2017	Brampton	5	Schedule A+	WDM
W-D-038	400-mm Water Main - Coleraine Drive (Highway 427 Industrial)	Construction of a 400-mm water main on Coleraine Drive from the future east-west road to Countryside Drive.	2023	Brampton	5	Schedule A+	WDM
W-D-039	400-mm Water Main - Coleraine Drive (Highway 427 Industrial)	Construction of a 400-mm water main on Coleraine Drive from Countryside Drive to Mayfield Road.	2023	Brampton	5	Schedule A+	WDM
W-D-040	400-mm Water Main - Winston Churchill Boulevard	Construction of a 400-mm water main on Winston Churchill Boulevard from Mayfield Road to Wanless Drive.	2036	Brampton	6	Schedule A+	WDM
W-D-041	400-mm Water Main - Future Street (Heritage Heights)	Construction of a 400-mm water main on a future street (Heritage Heights) from Bovaird Drive northerly to a future street.	2030	Brampton	6	Schedule A+	WDM
W-D-044	Growth-Related Water Mains in the Mississauga City Centre	Construction of several growth-related water mains in the Mississauga City Centre.	2019	Mississauga	3	Schedule A+	WDM
W-D-045	Growth-Related Water Mains in the Mississauga City Centre	Construction of several growth-related water mains in the Mississauga City Centre.	2019	Mississauga	3	Schedule A+	WDM
W-D-046	Growth-Related Water Mains in the Mississauga City Centre	Construction of several growth-related water mains in the Mississauga City Centre.	2019	Mississauga	3	Schedule A+	WDM

Size/Capacity	Length (m)	Total Estii (\$2	mated Cost 020)
400 mm	1970	\$	3,524,390
400 mm	1220	\$	2,472,200
400 mm	1370	\$	2,794,400
400 mm	880	\$	2,473,800
400 mm	440	\$	886,700
600 mm	1740	\$	5,894,900
600 mm	1050	\$	4,944,500
400 mm	1500	\$	2,520,000
400 mm	1360	\$	1,960,000
600 mm	950	\$	2,755,000
400 mm	1240	\$	3,425,200
400 mm	1860	\$	3,100,200
400 mm	1250	\$	2,121,900
400 mm	1210	\$	1,882,000
400 mm	1310	\$	2,038,300
400 mm	460	\$	5,000,000
400 mm	430	\$	5,000,000
400 mm	220	\$	5,000,000



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Pressure Zone	Class EA	Project Type
W-D-047	Growth-Related Water Mains in the Mississauga City Centre	Construction of several growth-related water mains in the Mississauga City Centre.	2019	Mississauga	3	Schedule A+	WDM
W-D-048	400-mm Water Main - Hurontario Street	Construction of a 400-mm water main on Hurontario Street from Matheson Boulevard to Britannia Road. In coordination with the Hurontario LRT.	2021	Mississauga	4	Schedule A+	WDM
W-D-049	400-mm Water Main - Mississauga Road (Mount Pleasant West)	Construction of a 400-mm water main on Mississauga Road from Mayfield Road southerly to a future street.	2032	Brampton	7	Schedule A+	WDM
W-D-051	400-mm Water Main - Mayfield Road (Mount Pleasant West)	Construction of a 400-mm water main on Mayfield Road from Heritage Road to Winston Churchill Boulevard.	2038	Caledon	7	Schedule A+	WDM
W-D-052	600-mm Water Main - Mayfield Road (Mount Pleasant West)	Construction of a 600-mm water main on Mayfield Road from Mississauga Road to Heritage Road.	2038	Brampton	7	Schedule A+	WDM
W-P-061	West Brampton Pumping Station - Capacity Expansion	Installation of additional low-lift pumping capacity at the West Brampton Pumping Station.	2028	Brampton	5	Schedule A	PS
W-S-062	West Brampton Reservoir Expansion	Expansion of the West Brampton Reservoir with the construction of a third 20-ML reservoir cell.	2031	Brampton	4	Schedule A	RES
W-P-064	Beckett Sproule Transfer Pumping Station - Capacity Expansion	Installation of additional transfer pumping capacity at the Beckett Sproule Pumping Station.	2023	Brampton	3	Schedule A	PS
W-S-073	Victoria Reservoir	Construction of a new 40-ML reservoir in the vicinity of King Street and Hurontario Street to provide storage for Pressure Zone 6.	2022	Caledon	6	Schedule C Completed	RES
W-ST-075	750-mm Water Main - Bovaird Drive West (Heritage Heights)	Construction of a 750-mm water main on Bovaird Drive West from Mississauga Road to Heritage Road.	2027	Brampton	6	Schedule A+	WSTM
W-D-077	600-mm Water Main - Heritage Road (Heritage Heights)	Construction of a 600-mm water main on Heritage Road from Bovaird Drive northerly to a future street.	2028	Brampton	6	Schedule A+	WDM
W-D-078	600-mm Water Main - Heritage Road (Mount Pleasant West)	Construction of a 600-mm water main on Heritage Road from the future extension of Sandalwood Parkway to Wanless Drive.	2034	Brampton	6	Schedule A+	WDM
W-ST-080	750-mm Water Main - Mayfield Road (Mount Pleasant West)	Construction of a 750-mm water main on Mayfield Road from Heritage Road to Mississauga Road.	2038	Brampton	6	Schedule A+	WSTM
W-ST-083	750-mm Water Main - Heritage Road (Mount Pleasant West)	Construction of a 750-mm sub-transmission main on Heritage Road from Wanless Drive to Mayfield Road.	2035	Brampton	6	Schedule A+	WSTM
W-D-084	600-mm Water Main - Mayfield Road	Construction of a 600-mm water main on Mayfield Road from Goreway Drive to The Gore Road.	2019	Brampton	5	Schedule A+	WDM
W-D-085	600-mm Water Main - Mayfield Road	Construction of a 600-mm water main on Mayfield Road from Goreway Drive to The Gore Road.	2019	Brampton	5	Schedule A+	WDM
W-D-086	600-mm Water Main - Mayfield Road	Construction of a 600-mm water main on Mayfield Road from The Gore Road to Clarkway Drive.	2019	Brampton	5	Schedule A+	WDM
W-D-087	600-mm Water Main - Mayfield Road	Construction of a 600-mm water main on Mayfield Road from Clarkway Drive to Coleraine Drive.	2020	Brampton	5	Schedule A+	WDM
W-D-088	600-mm Water Main - Future Williams Parkway (Bram West)	Construction of a 600-mm water main on the future extension of Williams Parkway from Heritage Road to Mississauga Road.	2027	Brampton	5	Schedule A+	WDM

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)
400 mm	530	\$ 5,000,000
400 mm	1110	\$ 3,484,942
400 mm	760	\$ 2,281,800
400 mm	1460	\$ 4,892,100
600 mm	1380	\$ 6,768,000
45 ML/d	-	\$ 1,884,200
20 ML	-	\$ 36,846,800
306 ML/d	-	\$ 8,007,500
40 ML	-	\$ 60,000,000
750 mm	1400	\$ 7,274,300
600 mm	1300	\$ 3,708,100
600 mm	1140	\$ 4,023,000
750 mm	1380	\$ 7,716,300
750 mm	1230	\$ 4,115,700
600 mm	1400	\$ 3,735,980
600 mm	1370	\$ 7,126,340
600 mm	1420	\$ 7,568,895
600 mm	1400	\$ 6,399,210
600 mm	1140	\$ 2,772,900



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Pressure Zone	Class EA	Project Type
W-D-089	600-mm Water Main - Heritage Road (Bram West)	Construction of a 600-mm water main on Heritage Road from the future extension of Williams Parkway to the New Road A.	2027	Brampton	5	Schedule A+	WDM
W-D-090	600-mm Water Main - Heritage Road (Heritage Heights)	Construction of a 600-mm water main on Heritage Road from a future street to the future extension of Sandalwood Parkway.	2028	Brampton	6	Schedule A+	WDM
W-ST-093	750-mm Water Main - Countryside Drive (Highway 427 Industrial)	Construction of a 750-mm water main on Countryside Drive from The Gore Road to Clarkway Drive.	2024	Brampton	5	Schedule A+	WSTM
W-ST-094	750-mm Water Main - Centre Street	Construction of a 750-mm sub-transmission main on Centre Street from Williams Parkway to John Street.	2026	Brampton	5	Schedule A+	WSTM
W-D-096	600-mm Water Main - Queen Street East (Bram East)	Construction of a 600-mm water main on Queen Street East and McVean Drive from Goreway Drive to Ebenezer Road.	2022	Brampton	4	Schedule A+	WDM
W-D-098	600-mm Water Main - Heritage Road (Bram West)	Construction of a 600-mm water main on Heritage Road from the Meadowvale North Pumping Station to Steeles Avenue West.	2018	Brampton	4	Schedule A+	WDM
W-ST-099	Queensway Sub-Transmission Main Extension	Construction of a 900/1050-mm sub-transmission main on Bloor Street and Cawthra Road from the Silverthorn Pumping Station to The Queensway East.	2026	Mississauga	2	Schedule B	WSTM
W-D-101	Growth-Related Water Mains in the Mississauga City Centre	Construction of several growth-related water mains in the Mississauga City Centre.	2019	Mississauga	3	Schedule A+	WDM
W-D-102	600-mm Water Main - Lakeshore Road	Construction of a 600-mm water main on Lakeshore Road from the A.P. Kennedy Water Treatment Plant to Front Street South.	2032	Mississauga	1	Schedule A+	WDM
W-ST-103	Queensway Sub-Transmission Main Extension	Construction of a 900/1050-mm sub-transmission main on Bloor Street and Cawthra Road from the Silverthorn Pumping Station to The Queensway East.	2026	Mississauga	2	Schedule B	WSTM
W-ST-104	900-mm Water Main - Heritage Road (Heritage Heights)	Construction of a 900-mm sub-transmission main on Heritage Road from the West Brampton Pumping Station to Bovaird Drive.	2028	Brampton	6	Schedule A+	WSTM
W-ST-110	750-mm Water Main - Goreway Drive	Construction of a 750-mm sub-transmission main on Goreway Drive from Castlemore Road to Countryside Drive.	2019	Brampton	5	Schedule A+	WSTM
W-ST-112	900-mm Sub-Transmission Main - Confederation Parkway	Construction of a 900-mm sub-transmission main on Confederation Parkway from Burnhamthorpe Road West to Eglinton Avenue West.	2034	Mississauga	3	Schedule B	WSTM
W-ST-113	Mayfield Road Sub-Transmission Main	Construction of a 900-mm sub-transmission main on Mayfield Road from Innis Lake Road to the North Brampton Reservoir.	2037	Brampton	5	Schedule A+	WSTM
W-ST-118	Williams Parkway Sub-Transmission Main (Phase 1 and Phase 2)	Construction of a 900-mm sub-transmission main on Williams Parkway from Dixie Road to McLaughlin Road. (Section 1 of 2)	2022	Brampton	5	Schedule C Completed	WSTM
W-ST-119	Williams Parkway Sub-Transmission Main (Phase 1 and Phase 2)	Construction of a 900-mm sub-transmission main on Williams Parkway from Dixie Road to McLaughlin Road. (Section 2 of 2)	2022	Brampton	5	Schedule C Completed	WSTM

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)
600 mm	1950	\$ 8,306,400
600 mm	690	\$ 3,874,900
750 mm	1390	\$ 6,582,600
750 mm	2300	\$ 13,782,200
600 mm	1360	\$ 7,486,700
600 mm	1370	\$ 4,687,760
900 mm	2480	\$ 64,859,700
600 mm	310	\$ 6,292,000
600 mm	2470	\$ 66,038,500
1050 mm	580	\$ 6,369,000
900 mm	1720	\$ 8,557,100
750 mm	3150	\$ 18,818,375
900 mm	2000	\$ 45,261,400
900 mm	6640	\$ 30,762,500
900 mm	2800	\$ 22,000,000
900 mm	3050	\$ 51,000,000



Master Plan ID	Project Name	Project Description		Municipality	Pressure Zone	Class EA	Project Type
W-ST-120	Central Brampton Sub-Transmission Main	Construction of a 1200/1050/900-mm sub-transmission main from the Beckett Sproule Pumping Station to the East Brampton Pumping Station.	2024	Brampton	5	Schedule C Completed	WSTM
W-ST-121	Williams Parkway Sub-Transmission Main (Phase 3)	Construction of a 900-mm sub-transmission main on Williams Parkway from the West Brampton Pumping Station to McLaughlin Road.	2024	Brampton	5	Schedule C Completed	WSTM
W-D-124	600/400-mm Water Main - Coleraine Drive (Bolton)	Construction of a 600-mm water main on Coleraine Drive from the Bolton Elevated Tank to Healey Road and a 400- mm water main on Coleraine Drive from Healey Road to George Bolton Parkway. (Section 1 of 2)	2019	Caledon	6	Schedule A+	WDM
W-ST-128	1500-mm Sub-Transmission Main - Burnhamthorpe Road	Construction of a 1500-mm sub-transmission main on Burnhamthorpe Road from Cawthra Road to Grand Park Drive.	2021	Mississauga	3	Schedule B Completed	WSTM
W-T-130	East Brampton Transmission Main Twinning	Construction of a 1500-mm transmission main from the Beckett Sproule Pumping Station to East Brampton Reservoir.	2024	Brampton	4	Schedule C Completed	WTM
W-T-131	Streetsville Transmission Main	Construction of a 2100-mm transmission main on Erin Mills Parkway from the Herridge Pumping Station to the Streetsville Reservoir.	2028	Mississauga	2	Schedule C	WTM
W-T-132	Victoria Transmission Main	Construction a 900-mm transmission main and a 1200-mm sub-transmission main from the North Brampton Pumping Station to the Victoria Reservoir. (Section 1 of 2)	2022	Caledon	6	Schedule C Completed	WTM
W-ST-133	Victoria Transmission Main	Construction a 900-mm transmission main and a 1200-mm sub-transmission main from the North Brampton Pumping Station to the Victoria Reservoir. (Section 2 of 2)	2022	Caledon	6	Schedule C Completed	WSTM
W-T-135	Meadowvale North Transmission Main	Construction of an 1800-mm transmission main from the Streetsville Pumping Station to the Meadowvale North Reservoir.	2031	Mississauga	3	Schedule C	WTM
W-TR-137	A.P. Kennedy Water Treatment Plant - Standby Power	Construction of additional standby power at the treatment facility.	2019	Mississauga		Schedule A	WTP
W-T-150	West Caledon Transmission Main	Construction of a 750-mm transmission main from the Alloa Pumping Station to the West Caledon Elevated Tank.	2027	Caledon	7	Schedule C	WTM
W-S-151	West Caledon Elevated Tank	Construction of a new 10-ML elevated tank in southwest Caledon.	2027	Caledon	7	Schedule C	RES
W-P-152	West Brampton Pumping Station - Capacity Expansion	Installation of additional low-lift pumping capacity at the West Brampton Pumping Station.	2036	Brampton	5	Schedule A	PS
W-P-154	Lorne Park Pumping Station - Capacity Expansion	Installation of additional PZ2W high-lift pumping capacity at the Lorne Park Water Treatment Plant.	2031	Mississauga	2	Schedule A	PS
W-S-164	Silverthorn Reservoir and Pumping Station Expansion	Construction of major improvements and upgrades at the Silverthorn Reservoir and Pumping Station.	2023	Mississauga	2	Schedule B Completed	RES
W-TR-165	A.P. Kennedy Water Treatment Plant - New Intake	Construction of a new intake pipe and structure at the A.P. Kennedy Water Treatment Plant.	2041	Mississauga		Schedule C	WTP
W-P-175	West Brampton Pumping Station - Capacity Expansion	Installation of additional high-lift pumping capacity at the West Brampton Pumping Station.	2028	Brampton	6	Schedule A	PS

Size/Capacity	Length (m)	Total Estimated Cos (\$2020)	
1200 mm	6070	\$ 169,373,00	0
900 mm	5000	\$ 34,549,80	0
400 mm	1750	\$ 6,840,80	0
1500 mm	1750	\$ 125,570,00	0
1500 mm	6500	\$ 206,300,00	0
2100 mm	6600	\$ 199,497,80	0
900 mm	8750	\$ 107,123,75	0
1200 mm	8470	\$ 26,000,00	0
1800 mm	9300	\$ 289,088,20	0
-	-	\$ 6,500,00	0
750 mm	7500	\$ 29,926,30	0
10 ML	-	\$ 18,422,90	0
45 ML/d	-	\$ 433,60	0
150 ML/d	-	\$ 1,579,30	0
25 ML	-	\$ 49,090,00	0
2400 mm	2000	\$ 100,000,00	0
31 ML/d	-	\$ 1,010,40	0



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Pressure Zone	Class EA	Project Type	Size/Capacity	Length (m)	Total Est (\$	imated Cost 2020)
W-ST-179	600-mm Water Main - Chinguacousy Road/Creditview Road	Construction of a 600-mm sub-transmission main on Chinguacousy Road/Creditview Road from the future West Caledon Elevated Tank to future east-west road in Mayfield West Phase 2.	2027	Caledon	7	Schedule C	WSTM	600 mm	6500	\$	20,680,000
W-D-180	400-mm Water Main - Torbram Road (Tullamore Industrial)	Construction of a 400-mm water main on Torbram Road from Mayfield Road northerly to a future street.	2036	Caledon	6	Schedule A+	WDM	400 mm	1300	\$	3,838,200
W-D-181	400-mm Water Main - Future Street (Tullamore Industrial)	Construction of a 400-mm water main on a future street north of Mayfield Road from Torbram Road to Airport Road.	2036	Caledon	6	Schedule A+	WDM	400 mm	1360	\$	2,100,900
W-D-182	400-mm Water Main - Airport Road (Tullamore Industrial)	Construction of a 400-mm water main on Airport Road from Mayfield Road northerly to a future street.	2036	Caledon	6	Schedule A+	WDM	400 mm	1300	\$	2,202,500
W-D-183	400-mm Water Main - Future Street (Tullamore Industrial)	Construction of a 400-mm water main on a future street north of Mayfield Road from Innis Lake Road to Centreville Creek Road.	2036	Caledon	6	Schedule A+	WDM	400 mm	1360	\$	3,235,000
W-D-184	400-mm Water Main - Centreville Creek Road (Tullamore Industrial)	Construction of a 400-mm water main on Centerville Creek Road from Mayfield Road to 1300 metres northerly.	2036	Caledon	6	Schedule A+	WDM	400 mm	1300	\$	3,838,200
W-ST-185	750-mm Water Main - Innis Lake Road	Construction of a 750-mm sub-transmission main on Innis Lake Road from the Tullamore Pumping Station to Healey Road.	2032	Caledon	6	Schedule A+	WSTM	750 mm	3000	\$	8,746,100
W-ST-186	600-mm Water Main - Healey Road (Bolton West)	Construction of a 600-mm sub-transmission main on Healy Road from Humber Station Road to Coleraine Drive.	2026	Caledon	6	Schedule A+	WSTM	600 mm	1350	\$	3,842,700
W-ST-187	600-mm Water Main - Healey Road	Construction of a 600-mm sub-transmission main on Healy Road from Innis Lake Road to Humber Station Road.	2031	Caledon	6	Schedule A+	WSTM	600 mm	4160	\$	14,992,500
W-D-188	400-mm Water Main - Future Street (Bolton West)	Construction of a 400-mm water main on a future street north of Healey Road from West Bolton Elevated Tank to Humber Station Road.	2026	Caledon	6	Schedule A+	WDM	400 mm	810	\$	1,070,200
W-D-189	400-mm Water Main - Humber Station Road (Bolton West)	Construction of a 400-mm water main on Humber Station Road from Healey Road to a future street northerly.	2027	Caledon	6	Schedule A+	WDM	400 mm	1220	\$	2,074,900
W-D-190	400-mm Water Main - Humber Station Road (Bolton West)	Construction of a 400-mm water main on Humber Station Road from a future street north of Healey Road to approximately 1200 metres northerly.	2028	Caledon	6	Schedule A+	WDM	400 mm	1200	\$	1,867,000
W-D-191	400-mm Water Main - Future Street (Bolton West)	Construction of a 400-mm water main on a future street north of Mayfield Road from Humber Station Road to Coleraine Drive.	2026	Caledon	6	Schedule A+	WDM	400 mm	1350	\$	2,086,300
W-D-192	400-mm Water Main - Humber Station Road (Bolton West)	Construction of a 400-mm water main on Humber Station Road from a future street north of Mayfield Road to Healey Road.	2026	Caledon	6	Schedule A+	WDM	400 mm	1650	\$	3,242,500
W-D-200	600-mm Water Main - Britannia Road East	Construction of a 600-mm water main on Britannia Road East from the Hanlan Pumping Station to Atlantic Drive.	2020	Mississauga	3	Schedule A+	WDM	600 mm	2000	\$	10,357,733
W-D-201	Growth-Related Water Mains in the Mississauga City Centre	Construction of several growth-related water mains in the Mississauga City Centre.	2019	Mississauga	3	Schedule A+	WDM	400 mm	640	\$	3,900,000
W-D-202	Growth-Related Water Mains in the Mississauga City Centre	Construction of several growth-related water mains in the Mississauga City Centre.	2019	Mississauga	3	Schedule A+	WDM	400 mm	300	\$	5,000,000



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Pressure Zone	Class EA	Project Type
W-ST-203	750-mm Water Main - Hurontario Street (Mississauga City Centre)	Construction of a 750-mm sub-transmission main on Hurontario Street from Burnhamthorpe Road to Rathburn Road.	2019	Mississauga	3	Schedule A+	WSTM
W-D-204	400-mm Water Main - The Gore Road	Construction of a 400-mm water main on The Gore Road from Mayfield Road to north of Countryside Drive.	2018	Brampton	5	Schedule A+	WDM
W-D-205	400-mm Water Main - McLaughlin Road (Mayfield West Phase 2)	Construction of a 400-mm water main on McLaughlin Road from Mayfield Road to 1800 metres northerly to the creek.	2019	Caledon	7	Schedule A+	WDM
W-D-206	400-mm Water Main - Kariya Drive (Mississauga City Centre)	Construction of a 400-mm water main on Kariya Drive from Webb Drive to Elm Drive West.	2024	Mississauga	3	Schedule A+	WDM
W-D-207	400-mm Water Main - Queen Street East (Bram East)	Construction of a 400-mm water main on Queen Street East from McVean Drive to the Gore Road.	2024	Brampton	4	Schedule A+	WDM
W-D-208	400-mm Water Main - Camilla Road	Construction of a 400-mm water main on Camilla Road from Dundas Street East to King Street East.	2027	Mississauga	2	Schedule A+	WDM
W-D-209	400-mm Water Main - Future Square One Drive Extension	Construction of a 400-mm water main on the future extension of Square One Drive from Rathburn Road West to Confederation Parkway.	2021	Mississauga	3	Schedule A+	WDM
W-D-210	400-mm Water Main - Centre View Drive (Mississauga City Centre)	Construction of a 400-mm water main on Centre View Drive from Confederation Parkway to Duke of York Boulevard.	2028	Mississauga	3	Schedule A+	WDM
W-D-213	Growth-Related Water Mains in the Mississauga City Centre	Construction of several growth-related water mains in the Mississauga City Centre.	2019	Mississauga	3	Schedule A+	WDM
W-D-214	400-mm Water Main - Queen Street East (Bram East)	Construction of a 400-mm water main on Queen Street East from The Gore Road to Highway 50.	2028	Brampton	4	Schedule A+	WDM
W-D-215	400-mm Water Main - Future Street (Heritage Heights)	Construction of a 400-mm water main on a future street from Wanless Drive southeasterly to a future street.	2030	Brampton	6	Schedule A+	WDM
W-D-216	400-mm Water Main - Hydro Road (Inspiration Lakeview)	Construction of a 400-mm water main on Hydro Road from Lakeshore Road East to the future Street A.	2031	Mississauga	1	Schedule A+	WDM
W-D-217	400-mm Water Main - Future Street (Inspiration Lakeview)	Construction of a 400-mm water main on the future Street A from the future Street F to the future Street H.	2031	Mississauga	1	Schedule A+	WDM
W-D-218	400-mm Water Main - Lakefront Promenade (Inspiration Lakeview)	Construction of a 400-mm water main on Lakefront Promenade from Rangeview Road to the future Street A.	2031	Mississauga	1	Schedule A+	WDM
W-D-223	600/400-mm Water Main - Coleraine Drive (Bolton)	Construction of a 600-mm water main on Coleraine Drive from the Bolton Elevated Tank to Healey Road and a 400- mm water main on Coleraine Drive from Healey Road to George Bolton Parkway. (Section 2 of 2)	2019	Caledon	6	Schedule A+	WSTM
W-TR-224	A.P. Kennedy Water Treatment Plant - Reservoir Expansion	Construction of a new 35-million-litre treated water reservoir at the A.P. Kennedy Water Treatment Plant.	2031	Mississauga		Schedule A+	WTP
W-TR-225	A.P. Kennedy Water Treatment Plant - Waste Building Expansion	Expansion of the Waste Building at the A.P. Kennedy Water Treatment Plant.	2036	Mississauga		Schedule A+	WTP
W-D-226	600-mm Water Main - Clarkway Drive	Construction of a 600-mm water main on Clarkway Drive from Castlemore Road northerly to the future east-west road.	2022	Brampton	5	Schedule A+	WDM

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)
750 mm	780	\$ 8,161,000
400 mm	1100	\$ 2,687,000
400 mm	1800	\$ 2,699,200
400 mm	300	\$ 4,444,000
400 mm	1400	\$ 4,786,100
400 mm	260	\$ 628,400
400 mm	320	\$ 743,600
400 mm	360	\$ 2,575,900
600 mm	300	\$ 5,444,000
400 mm	630	\$ 1,763,300
400 mm	2170	\$ 2,703,500
400 mm	660	\$ 969,200
400 mm	470	\$ 718,200
400 mm	570	\$ 849,800
600 mm	1540	\$ 5,329,000
35 ML	-	\$ 68,275,000
-	-	\$ 26,450,000
600 mm	1450	\$ 3,931,615



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Pressure Zone	Class EA	Project Type
W-D-227	400-mm Water Main - Old School Road (Mayfield West Phase 3)	Construction of a 400-mm water main on Old School Road from Chinguacousy Road to McLaughlin Road.	2036	Caledon	7	Schedule A+	WDM
W-D-228	400-mm Water Main - Old School Road (Mayfield West Phase 3)	Construction of a 400-mm water main on Old School Road from McLaughlin Road to Hurontario Street.	2036	Caledon	7	Schedule A+	WDM
W-D-229	400-mm Water Main - Old School Road (Mayfield West Phase 3)	Construction of a 400-mm water main on Old School Road from Hurontario Street to Heart Lake Road.	2036	Caledon	7	Schedule A+	WDM
W-D-230	400-mm Water Main - Future Street (Mayfield West Phase 4)	Construction of a 400-mm water main on a future street from Heart Lake Road to Dixie Road, north of Mayfield Road.	2031	Caledon	7	Schedule A+	WDM
W-D-231	400-mm Water Main - Future Street (Mayfield West Phase 4)	Construction of a 400-mm water main on a future street from Dixie Road to Bramalea Road, north of Mayfield Road.	2033	Caledon	7	Schedule A+	WDM
W-D-232	400-mm Water Main - Dixie Road (Mayfield West Phase 4)	Construction of a 400-mm water main on Dixie Road from Mayfield Road to 1,340 metres northerly.	2031	Caledon	6	Schedule A+	WDM
W-D-233	400-mm Water Main - Future Street (Tullamore Industrial)	Construction of a 400-mm water main on a future street from Airport Road to Innis Lake Road, north of Mayfield Road.	2036	Caledon	6	Schedule A+	WDM
W-D-234	400-mm Water Main - Future Street (Bolton West)	Construction of a 400-mm water main on a future street from Healy Road to approximately 1680 metres southerly, east of Humber Station Road.	2032	Caledon	6	Schedule A+	WDM
W-D-235	400-mm Water Main - Future Street (Bolton West)	Construction of a 400-mm water main on a future street from Humber Station Road to 660 metres westerly.	2032	Caledon	6	Schedule A+	WDM
W-D-236	400-mm Water Main - Humber Station Road (Bolton West)	Construction of a 400-mm water main on Humber Station Road from Mayfield Road to 1450 metres northerly.	2024	Caledon	6	Schedule A+	WDM
W-D-238	400-mm Water Main - Future Street (Bolton West)	Construction of a 400-mm water main on a future street from Healey Road to 1220 metres northerly, west of Humber Station Road.	2036	Caledon	6	Schedule A+	WDM
W-D-239	400-mm Water Main - Future Street (Bolton West)	Construction of a 400-mm water main on a future street from Humber Station Road to 680 metres westerly, south of King Street.	2036	Caledon	6	Schedule A+	WDM
W-D-240	400-mm Water Main - Future Street (Bolton West)	Construction of a 400-mm water main on a future street from Humber Station Road to 680 metres westerly.	2036	Caledon	6	Schedule A+	WDM
W-D-241	400-mm Water Main - Future Street (Bolton West)	Construction of a 400-mm water main on a future street from future street north of Healey Road to 910 metres northerly, west of Humber Station Road.	2036	Caledon	6	Schedule A+	WDM
W-D-242	400-mm Water Main - Bramalea Road (Mayfield West Phase 4)	Construction of a 400-mm water main on Bramalea Road from north of Mayfield Road to 290 metres northerly.	2033	Caledon	6	Schedule A+	WDM
W-D-243	400-mm Water Main - Future Street (Mayfield West Phase 4)	Construction of a 400-mm water main on a future street from Dixie Road to Bramalea Road.	2032	Caledon	6	Schedule A+	WDM
W-D-244	400-mm Water Main - Dixie Road (Mayfield West Phase 1)	Construction of a 400-mm water main on Dixie Road from the future Abbotside Way to 720 metres northerly.	2021	Caledon	7	Schedule A+	WDM

Size/Capacity	Length (m)	Total Estiı (\$2	mated Cost 020)
400 mm	1400	\$	4,786,100
400 mm	1390	\$	2,826,500
400 mm	2720	\$	6,863,800
400 mm	1380	\$	1,754,700
400 mm	1370	\$	1,742,500
400 mm	1340	\$	3,690,800
400 mm	1380	\$	2,122,000
400 mm	1680	\$	2,482,100
400 mm	660	\$	3,059,500
400 mm	1450	\$	6,950,800
400 mm	1220	\$	1,562,900
400 mm	680	\$	913,100
400 mm	680	\$	913,100
400 mm	910	\$	1,189,500
400 mm	290	\$	1,410,200
400 mm	1360	\$	2,098,500
400 mm	720	\$	1,272,600



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Pressure Zone	Class EA	Project Type
W-D-245	400-mm Water Main - Future Street (Mayfield West Phase 4)	Construction of a 400-mm water main on a future street from Dixie Road to Heart Lake Road, north of Mayfield Road.	2031	Caledon	7	Schedule A+	WDM
W-D-246	600-mm Water Main - Kennedy Road North	Construction of a 600-mm water main on Kennedy Road North from Williams Parkway to Vodden Street East.	2021	Brampton	5	Schedule A+	WDM
W-D-247	600-mm Water Main - Atlantic Drive/Creekbank Road	Construction of a 600-mm water main on Atlantic Drive and the future Creekbank Road from Britannia Road East to Sismet Road.	2027	Mississauga	3	Schedule A+	WDM
W-D-248	400-mm Water Main - Ninth Line (Ninth Line Lands)	Construction of a 400-mm water main on Ninth Line from Derry Road West to 620 metres southerly.	2025	Mississauga	5	Schedule A+	WDM
W-D-249	600-mm Water Main - Lakeshore Road West	Construction of a 600-mm water main on Lakeshore Road West from the Lorne Park Water Treatment Plant to Front Street South.	2024	Mississauga	1	Schedule A+	WDM
W-D-250	400-mm Water Main - McLaughlin Road (Mayfield West Phase 3)	Construction of a 400-mm water main on McLaughlin Road from Old School Road to the south side of the Etobicoke Creek.	2036	Caledon	7	Schedule A+	WDM
W-P-251	Beckett Sproule Pumping Station - Surge Suppression System	Installation of a new surge suppression system at the Beckett Sproule Pumping Station.	2021	Brampton		Schedule A	PS
W-ST-252	600-mm Water Main - Goreway Drive	Construction of a 600-mm water main on Goreway Drive from Intermodal Drive to Steeles Avenue East.	2026	Brampton	4	Schedule A+	WSTM
W-P-253	Beckett Sproule Pumping Station - Improvements and Upgrades	Construction of improvements and upgrades at the Beckett Sproule and East Brampton Pumping Stations.	2021	Brampton		Schedule A	PS
W-D-259	600-mm Water Main - Future East- West Road (Highway 427 Industrial)	Construction of a 600-mm water main on the future east- west road from Clarkway Drive to the future north-south road.	2025	Brampton	5	Schedule A	WDM
W-D-260	400-mm Water Main - Countryside Drive (Highway 427 Industrial)	Construction of a 400-mm water main on Countryside Drive from Coleraine Drive to the future north-south road.	2026	Brampton	5	Schedule A	WDM
W-D-261	400-mm Water Main - Future Street (Highway 427 Industrial)	Construction of a 400-mm water main on a future street from Highway 50 to Coleraine Drive.	2024	Brampton	5	Schedule A	WDM
W-D-267	400-mm Water Main - Old School Road (Mayfield West Phase 1)	Construction of a 400-mm water main on Old School Road from Heart Lake Road to Dixie Road.	2021	Caledon	7	Schedule A	WDM
W-D-268	400-mm Water Main - Dixie Road (Mayfield West Phase 1)	Construction of a 400-mm water main on Dixie Road from Old School Road to 2620 metres southerly.	2021	Caledon	7	Schedule A	WDM
W-D-269	400-mm Water Main - Future Lagerfeld Drive (Mount Pleasant)	Construction of a 400-mm water main on the future extension of Lagerfeld Drive from Mississauga Road to Creditview Road.	2023	Brampton	6	Schedule A	WDM
W-D-270	600-mm Water Main - Rangeview Road (Inspiration Lakeview)	Construction of a 600-mm water main on Rangeview Road from East Avenue to Lakefront Promenade.	2031	Mississauga	1	Schedule A+	WDM
W-D-271	600-mm Water Main - Dundas Street East	Construction of a 600-mm water main on Dundas Street from Cawthra Road to Confederation Parkway.	2032	Mississauga	2	Schedule A+	WDM
W-D-272	400-mm Water Main - Eglinton Avenue East	Construction of a 400-mm water main on Eglinton Avenue East from Hurontario Street to Sorrento Drive.	2021	Mississauga	4	Schedule A+	WDM

Size/Capacity	Length (m)	Total Est (\$2	imated Cost 2020)
400 mm	1400	\$	1,779,200
600 mm	900	\$	3,912,578
600 mm	1500	\$	12,452,700
400 mm	620	\$	2,057,600
600 mm	2950	\$	12,714,789
400 mm	1380	\$	2,809,200
-	-	\$	10,868,800
600 mm	950	\$	5,609,500
n/a	-	\$	38,589,700
600 mm	500	\$	1,071,200
400 mm	880	\$	1,528,900
400 mm	200	\$	1,228,300
400 mm	1390	\$	1,949,566
400 mm	1900	\$	3,749,372
400 mm	500	\$	697,800
600 mm	480	\$	1,123,200
600 mm	2470	\$	10,555,000
400 mm	350	\$	1,750,600



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Pressure Zone	Class EA	Project Type	Size/Capacity	Length (m)	Total Est (\$	imated Cost 2020)
W-D-273	600-mm Water Main - Hurontario Street	Construction of a 600-mm water main on Hurontario Street from Steeles Avenue to County Court Boulevard.	2039	Brampton	5	Schedule A+	WDM	600 mm	1000	\$	6,229,700
W-D-274	600-mm Water Main - County Court Boulevard and Future Street	Construction of a 600-mm water main on County Court Boulevard and a future street from Hurontario Street to the future alignment of First Gulf Boulevard.	2039	Brampton	5	Schedule A+	WDM	600 mm	2000	\$	8,441,000
W-D-275	600-mm Water Main - Future First Gulf Boulevard	Construction of a 600-mm water main on the future alignment of First Gulf Boulevard from Steeles Avenue East to a future street.	2039	Brampton	5	Schedule A+	WDM	600 mm	1000	\$	5,744,300
W-D-276	600-mm Water Main - Dundas Street East	Construction of a 600-mm water main on Dundas Street East from Cawthra Road to Dixie Road.	2032	Mississauga	2	Schedule A+	WDM	600 mm	2300	\$	10,054,900
W-D-277	600-mm Water Main - Church Street East	Construction of a 600-mm water main on Church Street East from Centre Street North to Main Street.	2025	Brampton	5	Schedule A+	WDM	600 mm	650	\$	14,147,500
W-D-278	400-mm Water Main - Lakefront Promenade (Inspiration Lakeview)	Construction of a 400-mm water main on Lakefront Promenade from Lakeshore Road East to Rangeview Road.	2031	Mississauga	1	Schedule A+	WDM	400 mm	260	\$	471,300
W-TR-279	A.P. Kennedy Water Treatment Plant - Yard Piping Improvements	Various yard piping improvements at the A.P. Kennedy Water Treatment Plant to facilitate new infrastructure.	2022	Mississauga		-	WTP	-	-	\$	8,000,000
Total Program	n - 2041									\$2,	473,508,575

6.0 Preferred Wastewater Servicing Strategy

6.1 Capital Program for the Preferred Wastewater Servicing Strategy

6.0 Preferred Wastewater Servicing Strategy

The preferred wastewater servicing strategy is a combination of system-wide recommendations, areaspecific servicing solutions, plus wastewater system and facility recommendations collectively addressing the wastewater needs of the Region of Peel to 2041.

The preferred water servicing strategy is outlined in Figure 4 and was developed to ensure that:

- Extension of the existing lake-based wastewater system is aligned with existing Regional and Local planning policies.
- Use of the existing wastewater system and facilities is maximized and used as the backbone for new infrastructure to meet the planned 2041 needs.
- Strategic oversizing of infrastructure, where justified, is planned to support growth beyond 2041.
- The master plan recommendations were developed by, and provided feedback to, the Region's Growth Management Strategy through an integrated process.

Region of York & City of Toronto

Peel will continue to receive wastewater flows from York Region and the City of Toronto as per existing agreement.

Flow Diversions

- 1. East to West Diversion Trunk Sewer
- 2. McVean SPS Bypass Trunk Sewer
- 3. Lakeshore Road West Trunk Sewer
- 4. Kennedy Road Trunk Sewer with connection to East to West Diversion

Collection System

Strategies & Trunk Sewer

- 5. Etobicoke Creek Trunk Sewer
- 6. Central Mississauga Wastewater Strategy
- 7. Fletcher's Creek Trunk Sewer Twinning
- 8. Lower West Trunk Sewer Twinning
- 9. West Bolton Strategy
- 10. Mayfield West Expansion
- 11. West Brampton Strategy
- 12. Tullamore/Airport Road Strategy

Pumping Stations

- New pumping stations:
- 13. Inspiration Lakeview SPS
- 14. Mayfield West Phase II SPS

Pumping station expansions:

- 15. McVean SPS
- 16. Richard's Memorial SPS

Decommissioning of existing stations:

- 17. Harvestview SPS
- 18. Front Street SPS
- 19. Ben Machree SPS

Wastewater Treatment

 WWTP Capacity expansion at both plants and new G.E. Booth WWTP Outfall within the 2041 horizon



Figure 4 – Preferred wastewater servicing strategy for the lake-based system.

6.1 Capital Program for the Preferred Wastewater Servicing Strategy

Based on the preferred water servicing strategy, a detailed capital program was established to support the servicing needs of existing and future growth of the Region of Peel lake-based system to 2041.

The wastewater capital program will work as a foundation for the Region of Peel capital budget. The wastewater capital program is a comprehensive list of projects complete with description, costs and timing. This program is not only a list of capital investment, it also represents new infrastructure that will require future operation and maintenance costs. Capital costs in combination with the ongoing operation and maintenance costs for the Region's infrastructure.

Table 5 presents a summary of the capital program, by key infrastructure type, for the preferred wastewater servicing strategy.

Infrastructure Type	Total Estimated Cost (\$2020)
Trunk Sewers	\$ 1,539,744,000
Sub-Trunk Sewers	\$ 230,185,000
Force Mains	\$ 6,599,000
Sewage Pumping Stations	\$ 48,002,000
Treatment	\$ 1,714,200,000
Odour Control	\$ 15,537,000
Inflow and Infiltration	\$ 92,500,000
Total Wastewater Capital Program Cost	\$ 3,646,767,000

Table 5 – Wastewater capital program summary.

Note: Cost estimates rounded to nearest \$1,000

The capital program map for the preferred wastewater servicing strategy is shown in **Figure 5**. The wastewater capital program map presents the general location and extents of the projects that form the preferred servicing strategy.

The complete capital program table for the preferred wastewater servicing strategy is shown in **Table 6**. The capital program table contains project descriptions, project type, location, proposed sizing, proposed timing, and estimated total project cost. The capital program table also outlines the Class EA requirement for each project including those that have been completed.

The Class EA requirements for each project have been identified in the capital program. Schedule A and A+ projects may move forward to design and construction, with A+ projects requiring public notification prior to implementation. The 2020 Master Plan was prepared at a broad level assessment and recognizes that further detailed assessment will be required through separate studies to satisfy project specific fulfillment of the MEA Class EA requirements for Schedule B and C projects identified within the master plan.

VOLUME 1 – EXECUTIVE SUMMARY



Figure 5 – Preferred wastewater servicing strategy for the lake-based system.



Table 6 – Capital program table for the preferred wastewater servicing strategy.

Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Class EA	Project Type
WW-ST-001	375-mm Sanitary Sewer - Future Street (Highway 427 Industrial)	Construction of a 375-mm sanitary sewer on a future street north of Countryside Drive from Highway 50 to approximately 810 metres northwesterly.	2026	Caledon	Schedule A+	ST
WW-ST-002	375-mm Sanitary Sewer - Future Street (Highway 427 Industrial)	Construction of a 375-mm sanitary sewer on a future street west of Coleraine Drive from Countryside Drive to approximately 600 metres northerly.	2028	Brampton	Schedule A+	ST
WW-ST-003	525-mm Sanitary Sewer - Countryside Drive	Construction of a 525-mm sanitary sewer on Countryside Drive from Clarkway Drive to approximately 690 metres easterly.	2027	Brampton	Schedule A+	ST
WW-T-005	750-mm Sanitary Sewer - Clarkway Drive	Construction of a 750-mm sanitary sewer on Clarkway Drive from Countryside Drive to Mayfield Road.	2036	Brampton	Schedule A+	ST
WW-ST-006	375-mm Sanitary Sewer - Future Street (Highway 427 Industrial)	Construction of a 375-mm sanitary sewer on a future street north of Castlemore Road from Clarkway Drive to approximately 1060 metres northeasterly.	2023	Brampton	Schedule A+	ST
WW-ST-009	600-mm Sanitary Sewer - Future Street (Countryside Villages)	Construction of a 600-mm sanitary sewer on a future street west of Airport Road from Mayfield Road to approximately 760 metres southerly.	2024	Brampton	Schedule A+	ST
WW-ST-011	600-mm Sanitary Sewer - Future Street (Countryside Villages)	Construction of a 600-mm sanitary sewer on a future street from Airport Road to approximately 1070 metres northwesterly, north of Countryside Drive.	2023	Brampton	Schedule A+	ST
WW-ST-012	525-mm Sanitary Sewer - Future Inspire Boulevard (Countryside Villages)	Construction of a 525-mm sanitary sewer on the future Inspire Boulevard from Torbram Road to approximately 1050 metres westerly.	2022	Brampton	Schedule A+	ST
WW-ST-013	375-mm Sanitary Sewer - Easement (Clarkson)	Construction of a 375-mm sanitary sewer in an easement north of Lakeshore Road and east of Winston Churchill Boulevard.	2026	Mississauga	Schedule A+	ST
WW-ST-017	375-mm Sanitary Sewer - Future Street (Bram West)	Construction of a 375-mm sanitary sewer on a future street from Heritage Road to approximately 2740 metres northwesterly, north of Steeles Avenue West.	2023	Brampton	Schedule A+	ST
WW-ST-018	525-mm Sanitary Sewer - Future Street (Countryside Villages)	Construction of a 525-mm sanitary sewer on a future street east of Bramalea Road from Mayfield Road to approximately 400 metres southerly.	2023	Brampton	Schedule A+	ST
WW-T-021	Albion-Vaughan Road Sanitary Trunk Sewer (Phase 2)	Construction of a 900-mm sanitary trunk sewer on Albion Vaughan Road and Nunneville Road from Royalton Drive to the end of Nunneville Road. (Section 1 of 3)	2022	Caledon	Schedule A+	т
WW-FM-030	McVean Force Main Twinning	Construction of a 900-mm force main on Queen Street East from the McVean Sewage Pumping Station to Goreway Drive.	2022	Brampton	Schedule B Completed	FM
WW-ST-045	600-mm Sanitary Sewer - Future Street (Mount Pleasant West)	Construction of a 600-mm sanitary sewer on a future street east of Winston Churchill Boulevard from Wanless Drive to 560 metres northerly.	2036	Brampton	Schedule A+	ST
WW-ST-046	600-mm Sanitary Sewer - Future Street (Mount Pleasant West)	Construction of a 600-mm sanitary sewer on a future street east of Winston Churchill Boulevard from Mayfield Road to 680 metres southerly.	2036	Brampton	Schedule A+	ST

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)		
375 mm	810	\$	3,072,000	
375 mm	600	\$	576,000	
525 mm	690	\$	3,747,000	
750 mm	1230	\$	9,015,000	
375 mm	1060	\$	4,020,500	
600 mm	760	\$	3,383,900	
600 mm	1070	\$	4,764,300	
525 mm	1050	\$	4,271,500	
375 mm	630	\$	915,100	
375 mm	2740	\$	3,085,000	
525 mm	400	\$	1,627,200	
900 mm	990	\$	17,897,728	
900 mm	1060	\$	4,978,000	
600 mm	560	\$	2,494,300	
600 mm	680	\$	3,027,900	



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Class EA	Project Type
WW-T-047	Northwest Brampton Sanitary Trunk Sewer (Phase 3)	Construction of a 675-mm sanitary trunk sewer on Wanless Drive from Heritage Road to 820 metres westerly.	2035	Brampton	Schedule A+	т
WW-ST-048	600-mm Sanitary Sewer - Heritage Road (Mount Pleasant West)	Construction of a 600-mm sanitary sewer on Heritage Road from Mayfield Road to 620 metres southerly.	2035	Brampton	Schedule A+	ST
WW-ST-049	600-mm Sanitary Sewer - Heritage Road (Mount Pleasant West)	Construction of a 600-mm sanitary sewer on Heritage Road from Wanless Drive to 620 metres northerly.	2035	Brampton	Schedule A+	ST
WW-T-050	Northwest Brampton Sanitary Trunk Sewer (Phase 2)	Construction of a 750-mm sanitary trunk sewer on Heritage Road from the future Sandalwood Parkway extension to Wanless Drive.	2034	Brampton	Schedule B Completed	т
WW-T-051	Northwest Brampton Sanitary Trunk Sewer (Phase 1)	Construction of a 825-mm sanitary trunk sewer on the future extension of Sandalwood Parkway from Heritage Road to Mississauga Road.	2032	Brampton	Schedule B Completed	т
WW-ST-052	525-mm Sanitary Sewer - Future Street (Huttonville North)	Construction of a 525-mm sanitary sewer on a future street north of Bovaird Drive, west of Heritage Road, from a future street to 830 metres northerly.	2031	Brampton	Schedule A+	ST
WW-T-053	Heritage Heights Sanitary Trunk Sewer (Phase 2)	Construction of a 675-mm sanitary trunk sewer on Heritage Road from Bovaird Drive to 630 metres northerly.	2028	Brampton	Schedule A+	т
WW-ST-054	450-mm Sanitary Sewer - Future Street (Huttonville North)	Construction of a 450-mm sanitary sewer on a future street south of Wanless Drive from Winston Churchill Boulevard to 1310 metres southeasterly.	2031	Brampton	Schedule A+	ST
WW-ST-055	600-mm Sanitary Sewer - Future Street (Huttonville North)	Construction of a 600-mm sanitary sewer on a future street north of Bovaird Drive from Heritage Road to 340 metres westerly.	2029	Brampton	Schedule A+	ST
WW-ST-056	375-mm Sanitary Sewer - Future Street (Huttonville North)	Construction of a 375-mm sanitary sewer on a future street south of Bovaird Drive from Heritage Road to 770 metres westerly.	2028	Brampton	Schedule A+	ST
WW-T-057	Credit Valley Sanitary Trunk Sewer (Phase 4)	Construction of a 900-mm sanitary trunk sewer on Mississauga Road from Mayfield Road to 680 metres southerly.	2034	Brampton	Schedule A+	т
WW-T-058	Credit Valley Sanitary Trunk Sewer (Phase 4)	Construction of a 900-mm sanitary trunk sewer on Mississauga Road from Wanless Drive to 570 metres northerly.	2034	Brampton	Schedule A+	т
WW-T-059	Credit Valley Sanitary Trunk Sewer (Phase 3)	Construction of a 900-mm sanitary trunk sewer on Mississauga Road from Wanless Drive to Sandalwood Parkway.	2032	Brampton	Schedule A+	т
WW-T-060	Credit Valley Sanitary Trunk Sewer (Phase 3)	Construction of a 900-mm sanitary trunk sewer on Mississauga Road from Wanless Drive to Sandalwood Parkway.	2030	Brampton	Schedule A+	т
WW-T-062	Heritage Heights Sanitary Trunk Sewer (Phase 2)	Construction of a 675-mm sanitary trunk sewer on Heritage Road from Bovaird Drive to 880 metres southerly.	2028	Brampton	Schedule A+	т
WW-T-063	Heritage Heights Sanitary Trunk Sewer (Phase 1)	Construction of a 750-mm sanitary trunk sewer on the future extension of Williams Parkway from Mississauga Road to Heritage Road.	2026	Brampton	Schedule A+	т

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)		
675 mm	820	\$	5,903,000	
600 mm	620	\$	3,685,700	
600 mm	620	\$	3,685,700	
750 mm	1200	\$	8,807,500	
825 mm	1350	\$	13,898,900	
525 mm	830	\$	3,651,200	
675 mm	630	\$	4,541,600	
450 mm	1310	\$	5,429,400	
600 mm	340	\$	1,831,200	
375 mm	770	\$	2,920,800	
900 mm	680	\$	5,354,600	
900 mm	570	\$	4,488,000	
900 mm	360	\$	2,834,100	
900 mm	920	\$	7,245,000	
675 mm	880	\$	6,912,400	
750 mm	580	\$	5,895,800	



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Class EA	Project Type
WW-T-064	Heritage Heights Sanitary Trunk Sewer (Phase 1)	Construction of a 750-mm sanitary trunk sewer on the future extension of Williams Parkway from Mississauga Road to Heritage Road.	2026	Brampton	Schedule A+	т
WW-T-065	Heritage Heights Sanitary Trunk Sewer (Phase 1)	Construction of a 750-mm sanitary trunk sewer on the future extension of Williams Parkway from Mississauga Road to Heritage Road.	2026	Brampton	Schedule A+	т
WW-ST-076	375-mm Sanitary Sewer - Future Street (Bram West)	Construction of a 375-mm sanitary sewer on a future street north of Embleton from east of Winston Churchill Boulevard Road to 440 metres west of Heritage Road.	2026	Brampton	Schedule A+	ST
WW-ST-077	450-mm Sanitary Sewer - Future Street (Bram West)	Construction of a 450-mm sanitary sewer on a future street north of Embleton from 440 metres west of Heritage Road to 540 metres west of Heritage Road.	2027	Brampton	Schedule A+	ST
WW-ST-078	450-mm Sanitary Sewer - Future Street (Bram West)	Construction of a 450-mm sanitary sewer on a future street north of Embleton from Heritage Road to 440 metres westerly.	2026	Brampton	Schedule A+	ST
WW-ST-079	375-mm Sanitary Sewer - Future Street (Bram West)	Construction of a 375-mm sanitary sewer on a future street east of Winston Churchill Boulevard from north of Embleton Road to 1580 metres southeastely.	2024	Brampton	Schedule A+	ST
WW-ST-080	450-mm Sanitary Sewer - Future Street (Bram West)	Construction of a 450-mm sanitary sewer on a future street south of Embleton Road from approximately 1000 metres southeast of Winston Churchill Boulevard to approximately 840 metres southeast.	2023	Brampton	Schedule A+	ST
WW-ST-081	450-mm Sanitary Sewer - Future Street (Bram West)	Construction of a 450-mm sanitary sewer on a future street south of Embleton Road from Heritage Road to 700 metres westerly.	2023	Brampton	Schedule A+	ST
WW-ST-082	525-mm Sanitary Sewer - Future Street (Bram West)	Construction of a 525-mm sanitary sewer on a future street from Embleton Road northwesterly to Heritage Road.	2022	Brampton	Schedule A+	ST
WW-T-085	750-mm Sanitary Sewer - The Gore Road	Construction of a 750-mm sanitary sewer on The Gore Road from Mayfield Road to approximately 860 metres southerly.	2035	Brampton	Schedule A+	т
WW-ST-088	375-mm Sanitary Sewer - Future Street (Countryside Villages)	Construction of a 375-mm sanitary sewer on a future street from Bramalea Road northwesterly to Mayfield Road, north of Countryside Drive. (Section 1 of 2)	2019	Brampton	Schedule A+	ST
WW-ST-089	375-mm Sanitary Sewer - Future Street (Countryside Villages)	Construction of a 375-mm sanitary sewer on a future street from Bramalea Road northwesterly to Mayfield Road, north of Countryside Drive. (Section 2 of 2)	2019	Brampton	Schedule A+	ST
WW-T-093	Albion-Vaughan Road Sanitary Trunk Sewer (Phase 2)	Construction of a 900-mm sanitary trunk sewer on Albion Vaughan Road and Nunneville Road from Royalton Drive to the end of Nunneville Road. (Section 2 of 3)	2020	Caledon	Schedule A+	т
WW-T-094	Albion-Vaughan Road Sanitary Trunk Sewer (Phase 2)	Construction of a 900-mm sanitary trunk sewer on Albion Vaughan Road and Nunneville Road from Royalton Drive to the end of Nunneville Road. (Section 3 of 3)	2020	Caledon	Schedule A+	т
WW-ST-095	Growth-Related Sanitary Sewers in Bolton	Construction of several growth-related sanitary sewers in Bolton.	2020	Caledon	Schedule A+	ST
WW-ST-096	Growth-Related Sanitary Sewers in Bolton	Construction of several growth-related sanitary sewers in Bolton.	2021	Caledon	Schedule A+	ST

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)		
750 mm	300	\$	1,882,000	
825 mm	560	\$	4,187,200	
375 mm	400	\$	2,092,400	
450 mm	540	\$	2,126,100	
450 mm	440	\$	1,732,300	
375 mm	1580	\$	6,569,000	
450 mm	840	\$	3,306,400	
450 mm	700	\$	2,755,500	
525 mm	720	\$	2,928,900	
750 mm	860	\$	5,398,000	
375 mm	610	\$	1,016,000	
375 mm	380	\$	1,243,125	
900 mm	650	\$	2,334,491	
900 mm	360	\$	3,328,559	
450 mm	210	\$	499,236	
375 mm	300	\$	1,663,637	



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Class EA	Project Type
WW-ST-097	Growth-Related Sanitary Sewers in Bolton	Construction of several growth-related sanitary sewers in Bolton.	2020	Caledon	Schedule A+	ST
WW-T-104	Lower West Sanitary Trunk Sewer Twinning	Construction of a 2400-mm sanitary trunk sewer on Southdown Road and through easements from Lakeshore Road West to the Clarkson WWTP.	2033	Mississauga	Schedule B	т
WW-ST-111	375-mm Sanitary Sewer - Webb Drive (Mississauga City Centre)	Construction of a 375-mm sanitary sewer on Webb Drive from Confederation Parkway to Redmond Road.	2019	Mississauga	Schedule A+	ST
WW-T-112	Upper Cooksville Creek to Burnhamthorpe Road Sanitary Trunk Sewer Diversion	Diversion from the Upper Cooksville Creek Sanitary Trunk Sewer to the Burnhamthorpe Road Sanitary Trunk Sewer - Drop Shaft at Burnhamthorpe east of Arista	2017	Mississauga	Schedule B Completed	т
WW-P-117	McVean Sewage Pumping Station Expansion	Expansion of the McVean Sewage Pumping Station from 1400 L/s to 2100 L/s.	2023	Brampton	Schedule A+	SPS
WW-II-119	Inflow and Infiltration Remediation Program	Collection and analysis of data and development of solutions to reduce inflow and infiltration in the sanitary collection system.	n/a	Peel	-	1/1
WW-II-120	Implementation of Inflow and Infiltration Remediation Measures	Funding for the implementation of remediation measures to reduce inflow and infiltration into the Region's lake-based sanitary sewer system.	n/a	Peel	-	I/I
WW-T-130	East-to-West Diversion Sanitary Trunk Sewer	Construction of a 2400-mm sanitary trunk sewer on Derry Road from the East Trunk sewer at Spring Creek to West Trunk Sewer at Highway 401 and Creditview Road.	2025	Mississauga	Schedule C Completed	т
WW-T-131	Queensway East Sanitary Trunk Sewer	Construction of a 1800-mm sanitary trunk sewer on The Queensway from Hurontario Street to the East Sanitary Trunk Sewer.	2027	Mississauga	Schedule C	т
WW-T-133	Mississauga City Centre Sanitary Trunk Sewer	Construction of a 1200-mm sanitary trunk sewer on Duke of York Boulevard from Rathburn Road West to Burnhamthorpe Road West and on Burnhamthorpe Road West from Duke of York Boulevard to east of Kariya Gate.	2020	Mississauga	Schedule B Completed	т
WW-T-134	1200-mm Sanitary Sewer - Kennedy Road (Mayfield West Phase 1)	Construction of a 1200-mm sanitary sewer on Kennedy Road from Mayfield Road to Christie Drive.	2022	Brampton	Schedule A+	т
WW-ST-135	375-mm Sanitary Sewer - Future Street (Highway 427 Industrial)	Construction of a 375-mm sanitary sewer on a future street north of Castlemore Road from The Gore Road to approx. 750 metres northeasterly.	2023	Brampton	Schedule A+	ST
WW-ST-136	375-mm Sanitary Sewer - Future Street (Countryside Villages)	Construction of a 375-mm sanitary sewer on a future street north of Countryside Drive from approximately 900 metres northwest of Airport Road to approximately 920 metres northwesterly.	2023	Brampton	Schedule A+	ST
WW-ST-137	450-mm Sanitary Sewer - Future Street (Countryside Villages)	Construction of a 450-mm sanitary sewer on Countryside Drive from Airport Road to Mountainash Road and on Mountainash Road northerly.	2019	Brampton	Schedule A+	ST
WW-T-138	750-mm Sanitary Sewer - Future Street (Mayfield West Phase 2)	Construction of a 750-mm sanitary trunk sewer on a future street east of Chinguacousy Road from Mayfield Road to the future east-west spine road.	2019	Caledon	Schedule A+	т
WW-T-139	675-mm Sanitary Sewer - Future East West Spine Road (Mayfield West Phase 2)	Construction of a 675-mm sanitary sewer on the future east- west spine road from a future street east of Chinguacousy Road to approximately 630 metres west of McLaughlin Road.	2019	Caledon	Schedule A+	ST

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)		
375 mm	200	\$	373,744	
2400 mm	2380	\$	82,768,100	
375 mm	340	\$	2,411,000	
-	-	\$	4,960,000	
700 L/s	-	\$	19,500,000	
-	-	\$	12,000,000	
-	-	\$	80,500,000	
2400 mm	11550	\$	345,000,000	
1800 mm	5300	\$	163,253,800	
1200 mm	1260	\$	27,391,000	
1200 mm	1970	\$	17,816,000	
375 mm	750	\$	719,200	
375 mm	920	\$	1,111,000	
450 mm	900	\$	1,279,651	
750 mm	950	\$	6,677,781	
675 mm	470	\$	2,697,000	



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Class EA	Project Type
WW-ST-140	600-mm Sanitary Sewer - Future East West Spine Road (Mayfield West Phase 2)	Construction of a 600-mm sanitary sewer on the future east- west spine road from McLaughlin Road to approximately 630 metres westerly.	2019	Caledon	Schedule A+	ST
WW-ST-141	600-mm Sanitary Sewer - McLaughlin Road (Mayfield West Phase 2)	Construction of a 600-mm sanitary sewer on McLaughlin Road from the future east-west spine road to approximately 350 metres northerly.	2020	Caledon	Schedule A+	ST
WW-ST-142	525-mm Sanitary Sewer - McLaughlin Road (Mayfield West Phase 2)	Construction of a 525-mm sanitary sewer on McLaughlin Road from 350 metres north of the future east-west spine road to 420 metres northerly.	2025	Caledon	Schedule A+	ST
WW-ST-143	450-mm Sanitary Sewer - Future East West Spine Road (Mayfield West Phase 2)	Construction of a 450-mm sanitary sewer on the future east- west spine road from a future street east of Chinguacousy Road to Chinguacousy Road.	2019	Caledon	Schedule A+	ST
WW-ST-144	450-mm Sanitary Sewer - Chinguacousy Road (Mayfield West Phase 2)	Construction of a 450-mm sanitary sewer on Chinguacousy Road from the future east-west spine road to approximately 820 metres northerly.	2031	Caledon	Schedule A+	ST
WW-ST-145	450-mm Sanitary Sewer - Mayfield Road (Mayfield West Phase 2)	Construction of a 450-mm sanitary sewer on Mayfield Road from Van Kirk Drive to McLaughlin Road.	2019	Brampton	Schedule A+	ST
WW-ST-146	450-mm Sanitary Sewer - McLaughlin Road (Mayfield West Phase 2)	Construction of a 450-mm sanitary sewer on McLaughlin Road from Mayfield Road to approximately 510 metres northerly.	2020	Brampton	Schedule A+	ST
WW-ST-147	450-mm Sanitary Sewer - McLaughlin Road (Mayfield West Phase 2)	Construction of a 450-mm sanitary sewer on McLaughlin Road from approximately 510 metres north of Mayfield Road to approximately 440 metres northerly.	2020	Brampton	Schedule A+	ST
WW-ST-148	600-mm Sanitary Sewer - Coleraine Drive (Bolton West)	Construction of a 600-mm sanitary sewer on Coleraine Drive from Manchester Court to McEwan Drive.	2027	Caledon	Schedule A+	ST
WW-ST-153	600-mm Sanitary Sewer - Innis Lake Road	Construction of a 600-mm sanitary sewer on Innis Lake Road from Mayfield Road to 1190 metres northerly.	2031	Caledon	Schedule A+	ST
WW-T-160	Cawthra Road Sanitary Trunk Sewer (Phases 2 and 3)	Construction of a 1500-mm sanitary trunk sewer on Cawthra Road from Burnhamthorpe Road East to south of Dundas Street East to connect to the existing CPR Trunk.	2022	Mississauga	Schedule A+	т
WW-T-161	Cawthra Road Sanitary Trunk Sewer (Phase 4)	Construction of a 1500-mm sanitary trunk sewer on Burnhamthorpe Road East from Central Parkway East to Cawthra Road.	2026	Mississauga	Schedule C	т
WW-T-162	Cawthra Road Sanitary Trunk Sewer (Phase 5)	Construction of a 1500-mm sanitary trunk sewer on Cawthra Road from the CPR to The Queensway.	2027	Mississauga	Schedule C	т
WW-T-163	Lakeshore Road West Sanitary Trunk Sewer	Construction of a 1500-mm sanitary trunk sewer on Lakeshore Road West from Front Street to the Richard's Memorial Sewage Pumping Station.	2024	Mississauga	Schedule B Completed	т
WW-T-164	Fletcher's Creek Sanitary Trunk Sewer Twinning	Construction of a 1050-mm sanitary trunk sewer on McLaughlin Road from Queen Street West to Steeles Avenue West.	2031	Brampton	Schedule C	т
WW-P-165	Inspiration Lakeview Sewage Pump Station	Construction of a new sewage pumping station within the future Inspiration Lakeview development.	2031	Mississauga	Schedule B	SPS

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)		
600 mm	630	\$	3,225,000	
600 mm	350	\$	2,052,000	
525 mm	420	\$	633,900	
450 mm	310	\$	1,431,000	
450 mm	820	\$	4,247,800	
450 mm	330	\$	1,211,738	
450 mm	510	\$	1,744,600	
450 mm	440	\$	1,480,600	
600 mm	2080	\$	4,385,300	
600 mm	1190	\$	6,430,500	
1500 mm	2080	\$	51,675,000	
1500 mm	990	\$	28,741,300	
1500 mm	950	\$	27,579,000	
1500 mm	2000	\$	67,500,000	
1050 mm	3540	\$	87,664,500	
96 L/s	-	\$	4,098,200	



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Class EA	Project Type	Size/Capacity	Length (m)	Total Cos	Estimated t (\$2020)
WW-FM-166	Inspiration Lakeview Force Main	Construction of a 300-mm force main on Lakefront Promenade from the future Inspiration Lakeview Sewage Pumping Station to Lakeshore Road East.	2031	Mississauga	Schedule B	FM	300 mm	600	\$	873,300
WW-ST-167	450-mm Sanitary Sewer - Future Street (Inspiration Lakeview)	Construction of a 450-mm sanitary sewer on the future Street A from the future Street H to the future Street F.	2031	Mississauga	Schedule A+	ST	450 mm	380	\$	436,600
WW-ST-168	600-mm Sanitary Sewer - Future Street (Inspiration Lakeview)	Construction of a 600-mm sanitary sewer on the future Street A from the future Street F to the future Inspiration Lakeview Sewage Pumping Station.	2031	Mississauga	Schedule A+	ST	600 mm	200	\$	319,300
WW-T-170	Humber Station Road Sanitary Trunk Sewer (Phase 1)	Construction of a 750-mm sanitary trunk sewer on Humber Station Road from Mayfield Road to 1600 metres northerly.	2024	Caledon	Schedule A+	т	750 mm	1600	\$	4,756,800
WW-T-171	Humber Station Road Sanitary Trunk Sewer (Phase 2)	Construction of a 750-mm sanitary trunk sewer on Humber Station Road from Healey Road to 1500 metres southerly.	2026	Caledon	Schedule A+	т	750 mm	1500	\$	4,492,900
WW-ST-178	600-mm Sanitary Sewer - Future Street (Tullamore Industrial)	Construction of a 600-mm sanitary sewer on a future street west of Airport Road from Mayfield Road to approximate 1700 metres northwesterly.	2036	Brampton	Schedule A+	ST	600 mm	1700	\$	7,568,700
WW-T-179	Kennedy Road Sanitary Trunk Sewer	Construction of a 1500-mm sanitary trunk sewer on Kennedy Road from the Etobicoke Creek Sanitary Trunk Sewer to the future East-West Sanitary Trunk Sewer Diversion.	2026	Brampton	Schedule C	т	1500 mm	2350	\$	27,543,300
WW-TR-181	G.E. Booth WWTP - New Plant 1	Major capital improvement at the treatment facility including demolition works, new inlet conduit, new odour control facility, new primary clarifiers and a new by-pass conduit to replace Plant 1 and to support future expansion of the facility.	2024	Mississauga	-	TR	-	-	\$	175,000,000
WW-TR-182	G.E. Booth WWTP - Capacity Restoration	Recovery of 40 ML/d of liquid treatment capacity to restore the G.E. Booth WWTP capacity to 518 ML/d.	2027	Mississauga	-	TR	-	-	\$	83,000,000
WW-TR-183	G.E. Booth WWTP Expansion	Expansion of the G.E. Booth WWTP from 518 ML/d to 600 ML/d.	2038	Mississauga	Schedule C	TR	-	-	\$	487,000,000
WW-TR-184	Clarkson WWTP Expansion	Expansion of the Clarkson WWTP from 350 ML/d to 500 ML/d.	2027	Mississauga	Schedule C	TR	-	-	\$	278,600,000
WW-ST-185	450-mm Sanitary Sewer - Chinguacousy Road (Mayfield West Phase 3)	Construction of a 450-mm sanitary sewer on Chinguacousy Road from 820 metres north of the future east-west spine road to approximately 590 metres northerly.	2036	Caledon	Schedule A+	ST	450 mm	590	\$	2,716,400
WW-ST-186	375-mm Sanitary Sewer - Future Street (Mayfield West Phase 3)	Construction of a 375-mm sanitary sewer on a future street from Chinguacousy Road to 300 metres easterly, south of Old School Road.	2036	Caledon	Schedule A+	ST	375 mm	300	\$	287,700
WW-ST-187	375-mm Sanitary Sewer - Future Street (Mayfield West Phase 3)	Construction of a 375-mm sanitary sewer on a future street from a future street to 450 metres northerly, south of Old School Road.	2036	Caledon	Schedule A+	ST	375 mm	450	\$	431,500
WW-ST-188	375-mm Sanitary Sewer - Future Street (Mayfield West Phase 3)	Construction of a 375-mm sanitary sewer on a future street from a future street to 1000 metres easterly, south of Old School Road.	2036	Caledon	Schedule A+	ST	375 mm	1000	\$	959,000
WW-FM-189	McLaughlin Road Force Main	Construction of a 400-mm sewage force main on McLaughlin Road from the future McLaughlin Road Sewage Pumping Station to the south side of the Etobicoke Creek.	2036	Caledon	Schedule B	FM	400 mm	240	\$	747,900



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Class EA	Project Type
WW-ST-190	525-mm Sanitary Sewer - McLaughlin Road (Mayfield West Phase 3)	Construction of a 525-mm sanitary sewer on McLaughlin Road from the future McLaughlin Road Sewage Pumping Station to 800 metres northerly.	2027	Caledon	Schedule A+	ST
WW-ST-191	525-mm Sanitary Sewer - Future Street (Mayfield West Phase 3)	Construction of a 525-mm sanitary sewer on a future street from McLaughlin Road to 950 metres easterly.	2036	Caledon	Schedule A+	ST
WW-ST-192	525-mm Sanitary Sewer - Dixie Road (Mayfield West Phase 4)	Construction of a 525-mm sanitary sewer on Dixie Road from 500 metres north of Mayfield Road to 840 metres northerly.	2031	Caledon	Schedule A+	ST
WW-ST-193	525-mm Sanitary Sewer - Future Street (Mayfield West Phase 4)	Construction of a 525-mm sanitary sewer on a future street from Dixie Road to Heart Lake Road.	2031	Caledon	Schedule A+	ST
WW-ST-194	450-mm Sanitary Sewer - Heart Lake Road (Mayfield West Phase 4)	Construction of a 450-mm sanitary sewer on Heart Lake Road from 1200 metres north of Mayfield Road to 1240 metres northerly.	2032	Caledon	Schedule A+	ST
WW-ST-195	450-mm Sanitary Sewer - Future Street (Tullamore Industrial)	Construction of a 450-mm sanitary sewer on a future street from Innis Lake Road to 920 metres westerly, north of Mayfield Road.	2036	Caledon	Schedule A+	ST
WW-ST-196	450-mm Sanitary Sewer - Future Street (Tullamore Industrial)	Construction of a 450-mm sanitary sewer on a future street from a future street to 570 metres northerly, east of Airport Road and north of Mayfield Road.	2036	Caledon	Schedule A+	ST
WW-ST-197	450-mm Sanitary Sewer - Future Street (Bolton West)	Construction of a 450-mm sanitary sewer on a future street from Humber Station Road to 960 metres northeasterly.	2025	2025 Caledon		ST
WW-ST-198	450-mm Sanitary Sewer - Future Street (Bolton West)	Construction of a 450-mm sanitary sewer on a future street from Humber Station Road to 750 metres northwesterly.	2032	2032 Caledon		ST
WW-ST-199	450-mm Sanitary Sewer - Future Street (Bolton West)	Construction of a 450-mm sanitary sewer on a future street from Humber Station Road to 710 metres northeasterly, south of Healey Road.	2026	Caledon	Schedule A+	ST
WW-ST-200	600-mm Sanitary Sewer - Future Street (Bolton West)	Construction of a 600-mm sanitary sewer on a future street from Humber Station Road to 690 metres easterly, north of Healey Road.	2026	Caledon	Schedule A+	ST
WW-ST-201	600-mm Sanitary Sewer - Future Street (Bolton West)	Construction of a 600-mm sanitary sewer on a future street from Coleraine Drive to 680 metres westerly, north of Healey Road.	2026	Caledon	Schedule A+	ST
WW-ST-202	375-mm Sanitary Sewer - Future Street (Bolton West)	Construction of a 375-mm sanitary sewer on a future street from a future street east of Humber Station Road to 780 metres northerly.	2028	Caledon	Schedule A+	ST
WW-P-203	McLaughlin Road Sewage Pumping Station	Construction of a new sewage pumping station in the vicinity of McLaughlin Road and the Etobicoke Creek.	2036	Caledon	Schedule B	SPS
WW-ST-204	450-mm Sanitary Sewer - Humber Station Road	Construction of a 400-mm sanitary sewer on Humber Station Road from Healey Road to 630 metres northerly.	2031	Caledon	Schedule A+	ST
WW-ST-205	600-mm Sanitary Sewer - Humber Station Road	Construction of a 600-mm sanitary sewer on Humber Station Road from 890 metres north of Healey Road to 790 metres northerly.	2028	Caledon	Schedule A+	ST
WW-ST-206	450-mm Sanitary Sewer - Future Street (Bolton West)	Construction of a 450-mm sanitary sewer on a future street from Humber Station Road to 670 metres westerly.	2036	Caledon	Schedule A+	ST

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)		
525 mm	800	\$	1,205,900	
525 mm	950	\$	1,072,200	
525 mm	840	\$	1,265,300	
525 mm	1380	\$	3,298,300	
450 mm	1240	\$	2,095,000	
450 mm	920	\$	962,000	
450 mm	570	\$	596,800	
450 mm	960	\$	1,003,900	
450 mm	750	\$	1,057,900	
450 mm	710	\$	742,700	
600 mm	690	\$	998,800	
600 mm	680	\$	1,300,700	
375 mm	780	\$	747,800	
150 L/s	-	\$	6,403,500	
450 mm	630	\$	880,200	
600 mm	790	\$	1,527,800	
450 mm	670	\$	700,900	



Master Plan ID	Project Name	Project Description	Year in Municipality Class EA Service		Project Type	
WW-ST-207	375-mm Sanitary Sewer - Future Street (Bolton West)	Construction of a 375-mm sanitary sewer on a future street from a future street 890 metres north of Healey Road to 800 metres northerly.	2036	Caledon	Schedule A+	ST
WW-ST-208	450-mm Sanitary Sewer - Future Street (Mayfield West Phase 4)	Construction of a 450-mm sanitary sewer on a future street from Mayfield Road to 2160 metres northwesterly, crossing Bramalea Road.	2031	Caledon	Schedule A+	ST
WW-T-210	Centre View Sanitary Trunk Sewer	Construction of a 1200-mm sanitary trunk sewer on Centre View Drive from the proposed interceptor chamber to Duke of York Boulevard and on Duke of York Boulevard from Centre View Drive to Rathburn Road.	2024	Mississauga	Schedule A+	т
WW-FM-211	Bolton Force Main Twinning	Construction of a 450-mm force main from Bolton Pumping Station to the Albion-Vaughan Road Sanitary Trunk Sewer.	2021	Caledon	Schedule A+	т
WW-T-212	Etobicoke Creek Sanitary Trunk Sewer Diversion (Phase 2)	Construction of a 1500-mm sanitary trunk sewer on future easement from the Etobicoke Creek Sanitary Trunk Sewer to the proposed diversion on Kennedy Road.	2026	Brampton	Schedule C	т
WW-P-213	Richard's Memorial Sewage Pumping Station Expansion	Reconstruction of the sewage pumping station with an expanded capacity to service growth in Port Credit.	2023	Mississauga	Schedule B Completed	SPS
WW-ST-214	525-mm Sanitary Sewer - Front Street South (West Village)	Construction of a 525-mm sanitary sewer from Lakeshore Road West to Port Street.	2021	Mississauga	Schedule A+	ST
WW-ST-215	525-mm Sanitary Sewer - Port Street (West Village)	Construction of a 525-mm sanitary sewer from Front Street South to 310 metres westerly.	2021	Mississauga	Schedule A+	ST
WW-ST-216	375-mm/450-mm Sanitary Sewer - Future Street (West Village)	Construction of a 375-mm/450-mm sanitary sewer from the west end of Port Street to 385 metres westerly.	2021	Mississauga	Schedule A+	ST
WW-ST-220	450-mm Sanitary Sewer - Rathburn Road West	Construction of a 450-mm sanitary sewer on Rathburn Road West from Duke of York Boulevard to Station Gate Road.	2021	Mississauga	Schedule A+	ST
WW-ST-221	450-mm Sanitary Sewer - Easement at Herdmans Road (Steeles and Hurontario)	Construction of a 450-mm sanitary sewer from New London Court to the Fletcher's Creek Sanitary Trunk Sewer.	2021	Brampton	Schedule A+	ST
WW-TR-223	G.E. Booth WWTP Expansion - Incineration	Expansion of the G.E. Booth WWTP. Incinerator #1 & #2	2038	Mississauga	Schedule C	TR
WW-TR-224	G.E. Booth WWTP Expansion - Incineration	Expansion of the G.E. Booth WWTP. Incinerator #1 & #2	2038	Mississauga	Schedule C	TR
WW-TR-225	G.E. Booth WWTP Expansion - New Outfall	Construction of a new outfall at the G.E. Booth WWTP to accommodate the full site capacity.	2038	Peel	Schedule C	TR
WW-TR-226	Clarkson WWTP - Biosolids Expansion	Expansion of the biosolids process at the Clarkson WWTP.	2023	Mississauga	Schedule C	TR
WW-TR-236	G.E. Booth WWTP - Plant 2 Blower Replacement	Replacement of the existing three blowers at Plant 2 with six multi-stage high-efficiency blowers.	2027	Mississauga	-	TR
WW-TR-237	G.E. Booth WWTP - Cake Exportation	Modification of the existing cake silos and pumping system to allow the exportation of cake offsite.	2022	Mississauga	-	TR

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)		
375 mm	800	\$	767,200	
450 mm	2160	\$	2,885,100	
1200 mm	880	\$	22,566,500	
450 mm	1070	\$	2,078,700	
1500 mm	590	\$	17,128,700	
405 L/s	-	\$	18,000,000	
525 mm	120	\$	984,645	
525 mm	300	\$	457,078	
450 mm	300	\$	439,204	
450 mm	85	\$	2,882,863	
450 mm	285	\$	339,224	
-	-	\$	92,500,000	
-	-	\$	169,600,000	
-	-	\$	92,000,000	
-	-	\$	30,000,000	
-	-	\$	21,000,000	
-	-	\$	7,500,000	



Project Name	Project Description	Year in Municipality Class EA Service		Project Type	
G.E. Booth WWTP - Odour Control Improvements	Implementation of the recommendations of the odour study with the anticipation of additional odour control necessary as redevelopment occurs in the vicinity of the treatment facility.	2026	Mississauga	-	TR
McVean Diversion Sanitary Trunk Sewer - Class Environmental Assessment	Class Environmental Assessment to determine the preferred strategy to defer flows away from the McVean Sewage Pumping Station to service future development in northeast Brampton and southeast Caledon.	2024	Brampton	Schedule C	т
Britannia West Sanitary Trunk Sewer	Construction of a 1500-mm sanitary trunk sewer on Mississauga Road from Erin Mills Parkway to Britannia Road West and on Britannia Road West from the Credit River to Erin Mills Parkway.	2023	Mississauga	Schedule B	т
Eglinton West Sanitary Trunk Sewer	Construction of a 1500-mm sanitary trunk sewer on Mississauga Road from the CPR to Eglinton Avenue West and on Eglinton Avenue West from the Credit River to Erin Mills Parkway.	2023	Mississauga	Schedule B	т
West Sanitary Trunk Sewer Twinning	Installation of a structural liner for the entire length of the new West Sanitary Trunk Sewer.	2022	Mississauga	-	т
Etobicoke Creek Sanitary Trunk Sewer Twinning	Twinning of a 2150-metre section of sanitary trunk sewer in the vicinity of the Old Brampton WWTP (near Highway 407 and Highway 410).	2024	Brampton	Schedule C	т
Castlemore Road Sanitary Trunk Sewer	Construction of a 1500-mm sanitary trunk sewer on Castlemore Road from Highway 50 to Airport Road.	2036	Brampton	Schedule C	т
Upper East Sanitary Trunk Sewer (Phase 1)	Construction of a 2400-mm sanitary trunk sewer on Airport Road from Castlemore Road to Queen Street and on Queen Street from Airport Road to Sun Pac Boulevard.	2036	Brampton	Schedule C	т
600-mm Sanitary Sewer - Goreway Drive	Construction of a 600-mm sanitary sewer on Goreway Drive from Mayfield Road to Countryside Drive.	2031	Caledon	Schedule B	ST
450-mm Sanitary Sewer - Future Street (Tullamore Industrial)	Construction of a 450-mm sanitary sewer on a future street east of Innis Lake Road from Mayfield Road to 1100 metres northerly.	2036	Caledon	Schedule A+	ST
525-mm Sanitary Sewer - Mayfield Road	Construction of a 525-mm sanitary sewer on Mayfield Road from McVean Drive to a future street east of Innis Lake Road.	2031	Caledon	Schedule A+	ST
600-mm Sanitary Sewer - McVean Drive	Construction of a 600-mm sanitary sewer on McVean Drive from Mayfield Road to Countryside Drive.	2031	Caledon	Schedule A+	ST
Growth-Related Sanitary Sewer in the Mississauga City Centre	Construction of several growth-related sanitary sewers in the Mississauga City Centre.	2024	Mississauga	Schedule A+	ST
Growth-Related Sanitary Sewer in the Mississauga City Centre	Construction of several growth-related sanitary sewers in the Mississauga City Centre.	2024	Mississauga	Schedule A+	ST
525-mm Sanitary Sewer - Aviation Road and Lakeshore Road East	Construction of a 525-mm sanitary sewer on Aviation Road and Lakeshore Road East for the Beach Street Sewage Pumping Station to the Beechwood Sewage Pumping Station.	2024	Mississauga	Schedule A+	ST
G.E. Booth Wastewater Treatment Plant - Ash Management Facility	Construction of a new ash management facility at the G.E. Booth Wastewater Treatment Plant.	2026	Mississauga	Schedule C	TR
	Project NameG.E. Booth WWTP - Odour Control ImprovementsMcVean Diversion Sanitary Trunk Sewer - Class Environmental AssessmentBritannia West Sanitary Trunk Sewerglinton West Sanitary Trunk SewerCastlemore Road Sanitary Trunk SewerCastlemore Road Sanitary Trunk SewerUpper East Sanitary Trunk SewerJoo-mm Sanitary Sewer - Goreway DriveSco-mm Sanitary Sewer - Future Street (Tullamore Industrial)Soo-mm Sanitary Sewer - Mayfield RoadGou-mm Sanitary Sewer - Mayfield SoadSoo-mm Sanitary Sewer - Aviation Soad and Lakeshore Road EastSoo-mm Sanitary Sewer - Aviation Road and Lakeshore Road EastSoo-mm Sanitary Sewer - Aviation Soad and Lakeshore Road EastSoo-mm Sanitary Sewer - Aviation Soa	Project NameProject DescriptionG.E. Booth WWTP - Odour Control ImprovementsImplementation of the recommendations of the odour study with the anticipation of additional odour control necessary as redevelopment occurs in the vicinity of the treatmine the preferred strategy to defer flows away from the McVean Sewage Pumping Station to service future development in northeast Brampton and southeast Caledon.Britannia West Sanitary Trunk SewerConstruction of a 1500-mm sanitary trunk sewer on Mississauga Road from thr Mills Parkway.Eglinton West Sanitary Trunk SewerConstruction of a 1500-mm sanitary trunk sewer on Mississauga Road from the CPR to Eglinton Avenue West and on glinton Avenue West from the Credit River to Erin Mills Parkway.West Sanitary Trunk SewerInstallation of a structural liner for the entire length of the ner West Sanitary Trunk SewerFublicoke Creek Sanitary Trunk SewerConstruction of a 1500-mm sanitary trunk sewer on Amissisauga Road from Thrunk Sewer.Fublicoke Creek Sanitary Trunk SewerConstruction of a 1500-mm sanitary trunk sewer on Castlemore Road Sanitary Trunk SewerQueper East Sanitary Trunk SewerConstruction of a 2150-metre section of sanitary trunk sewer on Adifymay 410).Gostmusoriantiary Sewer - HoaredConstruction of a 4200-mm sanitary trunk sewer on Adired Maxing Road from Thrush SewerGostmusoriantiary Sewer - HoaredConstruction of a 4200-mm sanitary sewer on Mayfield Road to Contruction of a 4200-mm sanitary sewer on Mayfield Road form Airport Road to Country sanitary sewer on Mayfield Road form Airport Road to Country sanitary sewer on Mayfield Road form Airport Road to Country sanitary sewer on Advite Road form Airport Road to Country sanitary s	Project NameYeny constructionYeny constructionG.E. Booth WWTP - Odour ControlImplementation of the recommendations of the odour study with the anticipation of additional odour control necessary as careful velopment cours in the vicinity of the treatment facility.2026McVean Diversion Sanitary Trunk Sewer - Class Environmental Assessment to determine the preferred strategy to defer flows away from the McVean Sewage Brampton and southeast Caledon.2024Britannia West Sanitary Trunk Sewer Mississauga Road from Erin Mills Parkway to Britannia Road West from the Credit River to Erin Mills Parkway.2023Eglinton West Sanitary Trunk Sewer mississauga Road from the Credit River to Erin Mills Parkway.2024West Sanitary Trunk SewerConstruction of a 1500-rmm sanitary trunk sewer on Mississauga Road from the Credit River to Erin Mills Parkway.2023West Sanitary Trunk SewerInstallation of a structural liner for the entire length of the new West Sanitary Trunk Sewer.2024Castlemore Road Sanitary Trunk SewerConstruction of a 1500-rmm sanitary trunk sewer on the vicinity of the Old Brampton WWTP (near Highway 400)2024Upper East Sanitary Trunk SewerConstruction of a 2400-rmm sanitary trunk sewer on Aligned Alignway 410).2036Gastlemore Road Sanitary Trunk SewerConstruction of a 2400-rmm sanitary trunk sewer on Aligned Road from Aligned Alo Councer Stret and on Queen Stret Alon Mangied Road to Councer Stret and on Queen Stret Alon Mary	Project NameProject DescriptionVear in serviceMunicipalityG.E. Booth WWTP - Odour ControlImplementation of the recommendations of the odour study with the anticipation of additional odour control necessary as the odeupoment occurs in the vicinity of the treatment facility. Cass Environmental Assessment to determine the preferred Assessment to service future development on ortheast Pumping Station to service future development on ortheast Pumping Station to service future development on ortheast Pumping Station to service future development in northeast Pumping Station to Service future development on ortheast Pumping Station to Service future development on ortheast Pumping Station to Service future development on ortheast Pumping Station to a StOOrmm sanitary trunk sever on Mississauga Road from the CPR to Eglinton Avenue West and Parkway.2023Mississauga Mississauga Mississauga Road from the CPR to Eglinton Avenue West and Parkway.West Sanitary Trunk Sever FunningInstallation of a Structural liner for the entire length of the new West Sanitary Trunk Sever on Mississauga Road from Highway Sto Airport Road.2024BramptonCastlemore Road Sanitary Trunk Sever FunningInstallation of a Structural liner for the entire length of the and Highway 400.2024BramptonCastlemore Road Sanitary Trunk Sever PriveConstruction of a 1500-mm sanitary trunk sever on and Highway 400.2036BramptonCastlemore Road Sonitary Trunk Sever PriveConstruction of a 1600-mm sanitary trunk sever on and Highway 400.2036BramptonCastlemore Road Sonitary Trunk Sever PriveConstruction of a 200-mm sanitary trunk sever on Amyreit Road to Construction of a 400	Project NameProject DescriptionVersionNuncipalityClass EAG.E. Booth WWTP - Odour Control ImprovementsImplementation of the recommendations of the odour study with the anticipation of additional dodur control incessary as nedewlogment occurs in the visionity of the trainement facility2026MississaugaMercen Diversion Sanitary Trunk Seveer - Odas Environmental Assessment to determine the preferred strategy to deter flows away from the MCVeran Sevage Pumping Station to service future development in northeast Brandhon and southeast Cladeon.2023MississaugaSchedule CBBritannia West Sanitary Trunk Seve Figlinton West Sanitary Trunk Seveer - Odas Statiggy Trunk Seveer - Odas Statig

Size/Capacity	Length (m)	Total Estimated Cost (\$2020)			
-	0	\$	215,000,000		
-	-	\$	1,500,000		
1500 mm	3700	\$	51,250,000		
1500 mm	2600	\$	51,250,000		
1500 mm	-	\$	40,000,000		
1500 mm	2150	\$	58,215,000		
1500 mm	6230	\$	139,105,800		
2400 mm	4000	\$	107,921,400		
600 mm	1230	\$	9,645,500		
450 mm	1100	\$	4,330,700		
525 mm	750	\$	4,439,700		
600 mm	1250	\$	7,429,800		
375 mm	280	\$	896,829		
375 mm	290	\$	710,906		
525 mm	940	\$	35,000,000		
-	0	\$	30,000,000		



Master Plan ID	Project Name	Project Description	Year in Service	Municipality	Class EA	Project Type	Size/Capacity	Length (m)	Total Estimated Cost (\$2020)	
WW-OC-270	Collection System Odour and Corrosion Control Master Plan	Update of the Region's collection system odour and control Master Plan.	2022	Peel	-	OC	-	-	\$	750,000
WW-OC-272	Future Odour and Corrosion Control Facilities	Construction of new odour and corrosion control facilities at various locations in the Region of Peel.	2026	Mississauga	-	OC	-	-	\$	14,786,600
WW-ST-280	375-mm Sanitary Sewer - Future Thornwood Drive and Future Armdale Road	Construction of a 375-mm sanitary sewer on the future extension of Thornwood Drive and Armdale Road.	2020	Mississauga	Schedule A+	ST	375 mm	200	\$	230,600
WW-TR-284	Clarkson and G.E. Booth WWTP - Standby Power Expansion	Installation of outdoor modular systems with external ehouses for switchgear systems. Clarkson includes aerial conversion for the remaining power system to buried duct and switchgear modules.	2027	Mississauga	-	TR	-	-	\$	33,000,000
S3,646,767,03								546,767,039		

7.0 Intensification and Post-2041 Vision

- 7.1 2041 Intensification
- 7.2 Post-2041 Vision

7.0 Intensification and Post-2041 Vision

7.1 2041 Intensification

Intensification is currently underway in many parts of the Region of Peel and is captured within the Region's detailed growth projections for the 2041 planning horizon.

There are several locations within the Region that will have focused intensification and infill growth. Through this master plan, these areas were reviewed for their existing servicing capacity, projected 2041 population and employment projections and subsequent water demands and wastewater flow. While the 2020 Master Plan capital program is focused on servicing the approved 2041 growth, high level impacts of enhanced intensification development beyond 2041 projections were reviewed. It should be noted that these areas may require further detailed analysis to determine precise servicing needs as detailed growth projections are finalized and development applications are received.

The following areas that were identified to be key intensification areas include, but are not limited to:

- Mississauga City Centre
- Brampton Queen Street Corridor
- Hurontario Corridor
- Dundas Connects
- Inspiration Lakeview
- Uptown Brampton
- Uptown Mississauga (Hurontario and Eglinton)
- Re-imagining the Mall (several locations throughout Peel)

7.2 Post-2041 Vision

The 2020 Master Plan was focused on developing a long-term servicing strategy to meet the needs of future growth to 2041 while supporting the appropriate level of service to existing residents and businesses. While the approved urban boundary and growth targets are to 2041, the master plan also considered implications of potential post-2041 growth on the system.

The preferred water and wastewater servicing strategies address the growth needs to 2041 and provide flexibility within the system to implement post-2041 strategies, once the long-term growth forecasts are confirmed and approved.

Post-2041 growth is anticipated at two levels: intensification and greenfield growth. It is expected that post-2041 greenfield growth will most likely occur as extensions further north into Caledon. Additional extensions to the water distribution and wastewater collection systems will be required to service post-2041 areas. In addition, treatment upgrades may be required as growth increases beyond the 2041 targets.

While intensification is presently occurring within Peel and will continue to 2041, potential post-2041 intensification growth was investigated within major intensification areas. Since the post-2041 growth projections are not finalized at this time, only a high-level servicing investigation of intensification growth was completed. Detailed analysis of water and wastewater infrastructure capacity and constraints has not yet been undertaken for the intensification areas. However, the 2041 water and wastewater servicing strategies establish flexibility within the water distribution and wastewater collection system and will support a longer-term post-2041 strategy within the intensification areas.

Figure 6 and Figure 7 show schematic representation of post-2041 water and wastewater servicing.







Figure 7 – Post-2041 wastewater servicing strategy.