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2019 CAPITAL BUDGET BRIEFING NOTE

Basement Flooding Protection Program – Project List: 2019 to 2023

Issue:

City Council directed the General Manager of Toronto Water to submit an updated five year list of Basement Flooding Protection Program capital projects through the annual Capital Budget process.

Background:

On September 21, 2011 City Council adopted the recommendations contained within the Wet Weather Flow Master Plan and Basement Flooding Protection Program Update Report. The report, which can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2011.PW7.6> provides a description of the methodology used to prioritize and plan sewer system improvement projects for the Basement Flooding Protection Program, and contains the following recommendations:

- 1) City Council direct that the prioritization of Basement Flooding Protection Program projects be consistent with the principle that the greatest number of properties are protected as soon as possible within approved funding envelopes and coordinated with other City capital programs;
- 2) City Council direct that projects identified through completed Environmental Assessments in the 32 identified Chronic Basement Flooding Study Areas, proceed to detailed design and construction, if the cost per benefitting property, as determined during the preliminary design phase, is less than or equal to \$32,000; and
- 3) City Council direct the General Manager, Toronto Water to submit an updated five year list of projects, through the annual Capital Budget submission process, where Class Environmental Assessment studies have been completed, and the projects be prioritized in conformance with Recommendations 1 and 2, and where the first two years of projects will be identified for construction (when their preliminary designs are completed) and the following three years of projects will be subject to confirmation for implementation through the preliminary design phases where cost estimates will be refined, and the project scheduling will be coordinated with Transportation Services and other utilities.

As a result of the extreme storm event of July 8, 2013, the Basement Flooding Protection Program was expanded city-wide to include 67 study areas.

The staff report that provides background information for the expansion of the Basement Flooding Protection Program to 67 study areas can be viewed at:

<http://www.toronto.ca/legdocs/mmis/2015/ex/bgrd/backgroundfile-77355.pdf>

Basement Flooding Protection Program projects are identified through Environmental Assessment Studies (EA), which assess an area's drainage system capacity. As of December 31, 2018, EA studies have been completed for 35 Basement Flooding Study Areas. EA studies for eight study areas are underway, with six EA studies being scheduled for completion in early 2019 (Study Areas 20, 34, 36, 38, 40 and 41), and two EA studies are planned for completion in 2020 (Study Areas 43 and 45). In response to the severe storm on August 7, 2018, acceleration of the remaining EA studies is being undertaken, with all remaining studies being planned to commence in 2019. Achievement of this goal is dependent upon the capacity of the consulting industry and internal staffing to undertake the planned volume of studies.

As part of the Environmental Assessment Study process, a construction cost is estimated along with a calculation of the number of benefitting homes for each recommended project. Projects where the EA study cost estimate per benefitting property is less than or equal to the City Council adopted \$32,000 cost per benefitting property threshold value, proceed to the preliminary design stage of the implementation program. These projects first appear in the Year 3 to Year 5 grouping of projects, as highlighted by the following schematic.

Figure 1

**Schematic of Basement Flooding Protection Program
5 Year Capital Planning of Projects**

Year 1 Projects	Year 2 Projects	Year 3 – 5 Projects
<p>Projects are either;</p> <ul style="list-style-type: none"> • Confirmed for Detailed Design and Construction • Still Undergoing Preliminary Design • Removed from the long-term capital plan and moved into the BFPP backlog 		<p>New Projects are Added Yearly as EA Studies are Completed</p> <p>Projects are either;</p> <ul style="list-style-type: none"> • Undergoing Preliminary Design • Planned to Start Preliminary Design

The goal of the preliminary design stage is to ensure the physical constructability of projects and to better define project cost estimates. Through various field investigations, the design is refined and the full extent of the construction impacts can be understood (e.g. the extent of road works, and adjustments to existing utilities can be better quantified). This design refinement can result in changes to the scope and extent of the EA Study recommendations, and can result in significant project cost increases.

Projects that continue to meet the \$32,000 cost per benefitting property threshold at the completion of the preliminary design stage proceed to the detailed design stage. While it is typical for construction to start within two years following the completion of the preliminary design, projects can sometimes be delayed to allow coordination with the schedules of works being delivered by other City of Toronto divisions and utilities. Only once projects are moved into the detailed design stage, should they be communicated to the public as being projects that will be proceeding to construction.

Projects that do not meet the \$32,000 cost per benefitting property threshold, either at the Environmental Assessment study stage or at the completion of the preliminary design stage, are removed from the long-term capital plan. These projects will be constructed on an opportunistic basis. These projects will be sequenced for detailed design and construction, as the replacement of the existing drainage systems becomes warranted due to poor structural condition or to address land development needs.

This briefing note only lists those projects that have been removed, during 2018, from the long-term capital plan and moved into the BFPP backlog, upon completion of preliminary design. The list does not include projects that had been moved into the BFPP backlog through budget submissions in prior years.

Key Points:

- Table 1 (attached) contains a 5-year list of projects organized by year and by Ward. This list reflects Toronto Water's 2019 Capital Budget, and the 2020 to 2023 Capital Budget Plan.
- The projects identified in Table 1 fall into one of 5 categories, namely;

Under Construction Projects: These projects are projects that have already been awarded to a contractor for construction. These works are in various stages of completion.

Projects Confirmed for Construction: Preliminary design for these projects has been completed, and it has been confirmed that the projects preliminary design estimated costs meet the allowable maximum cost of \$32,000 per benefitting property. These projects have been coordinated with the known capital programs of Transportation Services and other utilities.

Projects Undergoing Preliminary Design: Preliminary design for these projects has not yet been completed. For these projects, it has not yet been confirmed that the allowable maximum cost of \$32,000 per benefitting property can be met, and as a result, these projects cannot yet be confirmed for detailed design and construction. These projects are in the process of being coordinated with the capital programs of Transportation Services, other divisions, and utilities.

Projects Planned for Preliminary Design: Preliminary design for these projects has not yet been initiated. These projects are in the process of being assigned to consultants to begin the preliminary design process.

Deferred Projects: Preliminary design for these projects has been completed and the costs exceed the Basement Flooding Protection Program's \$32,000 cost per benefitting property

threshold. Due to their elevated costs, these projects are removed from the long-term capital plan and moved into the 'BFPP Backlog' to be constructed on an opportunistic basis.

- This Briefing Note uses the best available scheduling information at the time of writing. Schedule and scope change requests matching the schedules and scopes proposed in this Briefing Note have been submitted to Major Capital Infrastructure Coordination (MCIC). As these change requests are still being processed, the City's website (T.O. INview) may not reflect some proposed schedules and scopes within this Briefing Note.
- Many Basement Flooding projects require works to be completed within easements on private property. The time required to negotiate easement agreements with private landowners may affect the construction schedule presented in this briefing note.
- The scheduling of projects in the 2021 to 2023 time frame is subject to change, due to capital coordination issues and regulatory approvals which may be necessary; and this schedule will be further updated in future year Toronto Water Capital Budget submissions.
- The projects in the 5 year list have been identified from the 35 completed Environmental Assessment (EA) studies as of December 31, 2018. Projects from the almost completed Basement Flooding studies for Areas 34, 36, 38, 40, 41 have also been included in the provided project tables. To ensure that as many projects as possible are initiated without delay, moving forward, recommended projects from EA studies will be assigned for preliminary design at the same time those projects are presented to the public as part of the EA study process. Should the solutions need to change as a result of feedback received through the public review process, sufficient time exists within the engineering design process to incorporate such changes prior to construction.
- The description of basement flooding protection projects identified in Table 1 are as follows:

New Storm/Combined/Sanitary Sewers: These are new sewers proposed where a sewer does not currently exist or a secondary relief sewer where a sewer does currently exist. These projects can include several elements such as High Capacity Inlets (HCIs) and Inlet Control Devices (ICDs) on the storm sewer system as well as sealing of maintenance hole covers on the sanitary sewer system. Pipes may be designed to provide temporary storage of excess storm or sanitary sewage.

Storm/Combined/Sanitary Sewer Replacements: These are larger or deeper sewers that will replace already existing sewers. These projects can include several elements such as HCIs and ICDs on the storm and combined sewer system as well as the sealing of maintenance hole covers on the sanitary sewer system. Pipes may be designed to provide temporary storage of excess storm, combined or sanitary sewage.

Bridge/Culvert Improvements: These projects involve increasing the size or slope of a bridge or culvert to improve the conveyance capacity of the overland drainage system.

Road Re-Grading: Re-grading a road involves adjusting the elevation of the road to improve overland drainage. This type of project can also include modifications including curb cuts to direct drainage to new outlets.

High Capacity Inlets: High Capacity Inlets (HCIs) are catch basins designed to capture much more flow than standard catch basins and are typically installed to reduce excessive surface ponding at topographic low points.

Inlet Control Devices: Inlet control devices (ICDs) are flow restrictors installed within catch basins to control the flow rate into the storm or combined sewer system.

Storm or Combined or Sanitary Sewer Storage Tanks: Storage tanks temporarily store excess storm, sanitary or combined sewage. These facilities are typically off-line from the sewer system and are drained via pumps.

Dry Stormwater Pond/Wet Stormwater Pond/Engineered Wetland: Stormwater ponds/Engineered Wetlands temporarily store excess stormwater. Wet stormwater ponds and engineered wetlands always contain water whereas a dry stormwater pond is designed to fully drain between rainfall events. Each of these facilities also provide water quality treatment. Dry stormwater ponds are typically located within parks and the land within the pond can be used for recreational activities between rainfall events.

Oil and Grit Separators: Oil and Grit Separators (OGS) are devices that are installed in maintenance holes to provide water quality treatment. These devices are typically installed in-line with the storm sewer system within the road right-of-way.

Bioretention: Bioretention units utilize soil, mulch and plants to remove pollutants from stormwater runoff. These units can take a variety of forms such as swales or depressions where runoff from small storms is temporarily detained and treated. These units are typically installed within the road right-of-way.

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Table 1: Basement Flooding Protection Program – Project list: 2019 – 2023

2019 - Year 1 Projects

Under Construction Projects - Construction Started in 2018 or Earlier and Continuing into 2019

Ward	Councillor	Project #	Location	Project Description
7	Councillor Anthony Perruzza	14-09	Bamford Cres, Blacksmith Cres, Easement Gosford Blvd, Hisey Cres, Hullmar Dr, Jane St, Skye Crt, Wheelwright Cres	Storm Sewer Replacement
8	Councillor Mike Colle	18-01	Bathurst St, Brookedale Ave, Brucewood Cres, Prince Charles Dr, Saranac Blvd	Sanitary Sewer Replacement, High Capacity Inlets, Inlet Control Devices
8	Councillor Mike Colle	18-04	Dunblaine Ave	Storm Sewer Replacement, High Capacity Inlets, Inlet Control Devices
8	Councillor Mike Colle	18-05	Barse St, Falkirk St, Old Orchard Gr	Storm Sewer Replacement, New Storm Sewer, Inlet Control Devices
8	Councillor Mike Colle	18-07	Bedford Park Ave, Cranbrooke Ave, Douglas Ave, Glengarry Ave, Woburn Ave	Storm Sewer Replacement, High Capacity Inlets, Inlet Control Devices
8	Councillor Mike Colle	18-11 ¹	Ameer Ave, Baycrest Ave, Raja St, Raneer Ave, Sultana Ave	Storm Sewer Replacement, New Storm Sewer, Inlet Control Devices
8	Councillor Mike Colle	18-12 ¹	Bannockburn Ave, Bathurst St, Brooke Ave, Haddington	Storm Sewer Replacement, New Storm Sewer, Inlet Control Devices

2019 - Year 1 Projects

Projects Confirmed to Start Construction in 2019

Ward	Councillor	Project #	Location	Project Description
2	Councillor Stephen Holyday	8-03	Beaverbrook Ave	Sanitary Sewer Replacement
2	Councillor Stephen Holyday	8-04B	Great Oak Dr, Kipling Ave	Sanitary Sewer Replacement
2	Councillor Stephen Holyday	9-01	Allonsius Dr, Boreal Rd, Botley Rd, Burnhamthorpe Rd, Carsbrooke Rd, Crendon Dr, Carsbrooke Rd, Crendon Dr, Easement, Elderfield Cres, Renforth Dr, Saturn Rd, Tranquil Dr, Windust Gt	Sanitary Sewer Replacement, Storm Sewer Replacement, Inlet Control Devices
4	Councillor Gord Perks	5-01	Catherine St Halford Ave Old Mill Dr Riverview Gardens	Storm Sewer Replacement
5	Councillor Frances Nunziata	6-01 ²	Lipincott St E, Weston Rd	Storm Sewer Replacement, Inlet Control Devices
5	Councillor Frances Nunziata	6-02	Sykes Ave, Arthur St	Sanitary Sewer Replacement, Storm Sewer Replacement, Inlet Control Devices
5	Councillor Frances Nunziata	6-03	Limerick Ave, Pellatt Ave, Snowberry Ave	Sanitary Sewer Replacement, Inlet Control Devices

Ward	Councillor	Project #	Location	Project Description
5	Councillor Frances Nunziata	6-04A	Boyd Ave, Church St, Elm St, Grattan St, Joseph St, King St, Macdonald Ave, Pine St, Queens Dr, Ralph St, Vimy Ave, Wadsworth Blvd	Sanitary Sewer Replacement, Storm Sewer Replacement, Inlet Control Devices
5	Councillor Frances Nunziata	6-04B	Cypress St, Ellis Ave, Ettrick Cres, Gibson Ave, Helen Ave, Jane St, John St, Longview Dr, Marshlynn Ave, Patika Ave, Pelmo Cres, Portage Ave, Queenslea Ave, Richwood St, Robert St, Speers Ave, William St, Wright Ave	Sanitary Sewer Replacement, Storm Sewer Replacement, Inlet Control Devices
5	Councillor Frances Nunziata	6-05	Weston Rd	Storm Sewer Replacement
5	Councillor Frances Nunziata	6-06	Centre Rd, Edmund Ave	Storm Sewer Replacement, Inlet Control Devices
5	Councillor Frances Nunziata	6-08	Gary Dr, Lamont Ave, Langside Ave, Queenslea Ave, Walwyn Ave, Wendell Ave, Woodward Ave	Sanitary Sewer Replacement, Storm Sewer Replacement
6	Councillor James Pasternak	13-01	Friary Crt, Yatescastle Dr.	Storm Sewer Replacement, Inlet Control Devices
6	Councillor James Pasternak	15-01	Tavistock Rd	Storm Sewer Replacement
6	Councillor James Pasternak	15-02	Calvington Dr, Forthbridge Cres, Lexfield Ave	Storm Sewer Replacement, Inlet Control Devices
6	Councillor James Pasternak	15-05	Buxton Rd, Exbury Rd, Peacham Cres, Troutbrooke Dr	Storm Sewer Replacement, New Storm Sewer, Bioretention
6	Councillor James Pasternak	15-06	Camborne Ave	Storm Sewer Replacement
6	Councillor James Pasternak	15-07	Julian Rd, Lexfield Ave, Victory Dr, Victory Dr, Julian Rd, Wilson Ave, Wintergreen Rd	Storm Sewer Replacement, Inlet Control Devices, Bioretention
6	Councillor James Pasternak	15-08	Clevedon St, Deevale Rd, Heathrow Dr, Letchworth Cres, Lexfield Ave, Richard Clark Dr, Tumpane St	Storm Sewer Replacement, New Storm Sewer, Inlet Control Devices, Bioretention
6	Councillor James Pasternak	15-09	Chappel Hill Rd, Epsom Downs Dr, Tumpane St	Storm Sewer Replacement, Inlet Control Devices
6	Councillor James Pasternak	15-10	Dana Ave, Redfern Ave, Richard Clark Dr, Tumpane St, Westcliffe Rd, William Cragg Dr	Storm Sewer Replacement, Inlet Control Devices, Bioretention Filtration
6	Councillor James Pasternak	15-11	Datchet Rd, Heathrow Dr, Jane St, Monclova Rd	Sanitary Sewer Replacement, New Sanitary Sewer, Storm Sewer Replacement, Inlet Control Devices, Bioretention
6	Councillor James Pasternak	15-12	Gatesgill Cres, Jane St, Monclova Rd, Troutbrooke Dr	Storm Sewer Replacement, Inlet Control Devices, Bioretention Filtration
6	Councillor James Pasternak	16-22	Bunnell Cres, Dorking Cres, Gade Dr, Hallsport Cres, Ianhall Rd, Julian Rd, Nash Dr, Roding Park, Roding St, Wilson Ave	Storm Sewer Replacement, New Storm Sewer, Inlet Control Devices, High Capacity Inlets

Ward	Councillor	Project #	Location	Project Description
6	Councillor James Pasternak	19-13	Acton Ave, Amos Cres, Baintree Crt, Brighton Ave, Bryant St, Clifton Ave, Cocksfield Ave, Codsell Ave, Combe Ave, Elder St, Goddard St, Hove St, Searle Ave, Shaftebury St, Tillplain Rd, Tokay Crt, Waterloo Ave, Wilmington Ave, Wilson Heights Ave	New Sanitary Sewers, Storm Sewer Replacement, Inlet Control Devices, High Capacity Inlet Catchbasins
6 / 7	Councillors James Pasternak and Anthony Perruzza	15-13	Black Creek Trl, Chalkfarm Dr, Easement, Exbury Rd, Jane St, Marlinton Cres, Monclova Rd, Neames Cres, Peacham Cres, Rabton Crt	Sanitary Sewer Replacement, Storm Sewer Replacement, New Storm Sewer, Inlet Control Devices, Bioretention
7	Councillor Anthony Perruzza	13-02	Brewster Cres, Courage Ave, Frith Rd, Honeywood Rd, Jane St, Larchwood Rd, Laura Rd, Lomar Dr, Paradelle Cres, Ryewood Dr, Sheppard Ave W, Snowood Crt, Stanley Rd, Tonon Dr, Wedge Crt	Sanitary Sewer Replacement, Storm Sewer Replacement, New Storm Sewer, Inlet Control Devices
7	Councillor Anthony Perruzza	14-05	Artech Crt, Fletcherdon Cres, Gosford Blvd, Hullmar Dr, Jane Sat, Secroft Cres, Shoreham Dr, York Gate Blvd	Storm Sewer Replacement
7	Councillor Anthony Perruzza	14-10 ¹	Derrydown Rd Kennerly Crt	Storm Sewer Replacement, New Storm Sewer, High Capacity Inlets
8	Councillor Mike Colle	16-45 ³	Easement, Glencairn Ave, Tycos Dr	Sanitary Sewer Replacement
8	Councillor Mike Colle	17-02	Playfair Ave	Sanitary Sewer Replacement
8	Councillor Mike Colle	17-04	Cortleigh Blvd, Ruby Cres	Sanitary Sewer Replacement
8	Councillor Mike Colle	17-05	Viewmount Park, William R Allen Rd N	Sanitary Sewer Replacement
8	Councillor Mike Colle	17-13	Hillhurst Blvd	Storm Sewer Replacement
15	Councillor Jaye Robinson	2-01	Broadway Ave, Rykert Cres	New Storm Sewer, Storm Sewer Replacement
15	Councillor Jaye Robinson	2-03	Bessborough Dr, Craig Cres, Donlea Dr, Rumsey Rd	New Storm Sewer
15	Councillor Jaye Robinson	2-04	Cameron Cres, Fleming Crescent, Hanna Road, Sutherland Drive, Vanderhoof Avenue	New Storm Sewer
15	Councillor Jaye Robinson	2-05	Markham Ave, Sutherland Dr	New Storm Sewer
15	Councillor Jaye Robinson	2-07	McRae Dr	Storm Sewer Replacement
15	Councillor Jaye Robinson	2-08	Hanna Rd, Rumsey Rd	New Storm Sewer
16	Councillor Denzil Minnan-Wong	22-01	Pitcairn Cres, Wigmore Dr	Storm Sewer Replacement, Inlet Control Devices
16	Councillor Denzil Minnan-Wong	22-02	Daleside Cres, Sulkara Crt, Sundial Cres, Sweeney Dr	Storm Sewer Replacement, Inlet Control Devices, Bioretention
16	Councillor Denzil Minnan-Wong	22-10	Anewen Dr, Kenewen Crt, Sloane Ave, Woodthorpe Rd	Sanitary Sewer Replacement, Storm Sewer Replacement, Inlet Control Devices, High Capacity Inlets

Ward	Councillor	Project #	Location	Project Description
16	Councillor Denzil Minnan-Wong	22-15	Carnforth Rd, Daleside Cres, Gretna Ave, Sloane Ave, Sweeney Dr, Teak Ave, Wyndcliff Cres	Storm Sewer Replacement, Bioretention, Inlet Control Devices
16	Councillor Denzil Minnan-Wong	22-17	Knighton Dr	Storm Sewer Replacement, Bioretention
16	Councillor Denzil Minnan-Wong	22-18	Cobham Cres	Storm Sewer Replacement
16	Councillor Denzil Minnan-Wong	22-21	Ruscica Dr, Salvi Crt	Storm Sewer Replacement
16	Councillor Denzil Minnan-Wong	22-22	Murellen Cres	Storm Sewer Replacement, Bioretention
17	Councillor Shelley Carroll	30-18 ⁴	Pineway Blvd, Reiber Cres, Weatherstone Cres	New Storm Sewer, Storm Sewer Replacement
19	Councillor Brad Bradford	1-01A	O'Connor Dr	Storm Sewer Replacement
19	Councillor Brad Bradford	1-01B	Glenwood Cr, O'Connor Dr, St Clair Ave E, St Columba Pl, Taylor Creek Trl.	Storm Sewer Replacement
19	Councillor Brad Bradford	1-02	Bermondsey Rd, O Connor Dr	Storm Sewer Replacement

2020 - Year 2 Projects

Projects Undergoing Preliminary Design - Targeted Construction Start Year of 2020

Ward	Councillor	Project #	Location	Project Description
6	Councillor James Pasternak	19-03	Westgate Blvd	Sanitary Sewer Replacement, Storm Sewer Replacement
6	Councillor James Pasternak	19-06	Ellison Ave, Garratt Blvd, Timberlane Dr, Westgate Blvd	Sanitary Sewer Replacement, Storm Sewer Replacement
6	Councillor James Pasternak	19-07	Faywood Blvd, King High Ave, Laurelcrest Ave	Sanitary Sewer Replacement
6	Councillor James Pasternak	19-11	Beaver Valley Rd, Clifton Ave, Hove St, Maxwell Overbrook Pl, Shaftesbury St	Sanitary Sewer Replacement
6	Councillor James Pasternak	19-14	Brockington Cres, Coreydale Crt, Maxwell St	Storm Sewer Replacement, Inlet Control Devices
6	Councillor James Pasternak	19-15	Brighton Ave, Codsell Ave, Backyard Hove St, Waterloo Ave, Wild Gingerway	Storm Sewer Replacement, Inlet Control Devices, High Capacity Inlets
6	Councillor James Pasternak	19-16	Bathurst St, Bonnacord Dr, Clanton Park Rd, Collinson Blvd, Delia Crt, Erica Ave, Erica Ave, Laurelcrest Ave, Midvale Rd, Palm Dr, Raeburn Ave, Romney Rd, Romney Rd	Sanitary Sewer Replacement, Storm Sewer Replacement
6	Councillor James Pasternak	19-17	Armour Blvd, Barwick Dr, Bombay Ave, Elderberry Crt, Romney Rd, Tresillian Rd	Storm Sewer Replacement, Inlet Control Devices
6	Councillor James Pasternak	19-18	Armour Blvd, Ridley Blvd	Storm Sewer Replacement, Inlet Control Devices

Ward	Councillor	Project #	Location	Project Description
6	Councillor James Pasternak	19-19	Banting Ave, Dufferin St, Embro Dr, Findlay Blvd, Reiner Rd, Sheppard Ave W, Sheppard Ave W	New Storm Sewers, Storm Sewer Replacement, Inlet Control Devices, High Capacity Inlets
6	Councillor James Pasternak	19-20	Bainbridge Ave, Faywood Blvd, Harlock Blvd, Reiner Rd	Storm Sewer Replacement, Inlet Control Devices
6	Councillor James Pasternak	19-21	Almore Ave, Faywood Blvd, Kainona Ave	Storm Sewer Replacement, Inlet Control Devices
6	Councillor James Pasternak	19-22	Cocksfield Ave, Codsell Ave, Sandale Gdns, Tillplain Rd	Storm Sewer Replacements, Inlet Control Devices
6	Councillor James Pasternak	19-23	Alexis Blvd, Alexis Rd, Bainbridge Ave, Bathurst St, Cocksfield Ave, Codsell Ave, Harlock Blvd, Maxwell St, Maxwell St, Mcallister Rd, Reiner Rd, Sandale Grdns, Sheppard Ave W, Verwood Ave, Wilmington Ave	New Storm Sewer, Storm Sewer Replacement, Inlet Control Devices, High Capacity Inlets
6	Councillor James Pasternak	19-24	Goodwill Ave, Model Ave, Tippett Rd, Wilson Ave, Wilson Heights Blvd	Storm Sewer Replacement, Inlet Control Devices
8	Councillor Mike Colle	17-15 ⁵	Bathurst St, Chaplin Cres, Dalemout Ave, Glen Park Ave, Glencairn Ave, Hillhurst Blvd, Hillmount Ave, Lawrence Ave W, Prue Ave, Shermount Ave, Viewmount Ave	Sanitary Sewer Replacement, New Sanitary Sewer, Storm Sewer Replacement, Storm Storage
15	Councillor Jaye Robinson	2-10	Bennington Heights Dr, Burnham Rd, Heath St E, Moorehill Dr	Sanitary Sewer Replacement, Storm Sewer Replacement
16	Councillor Denzil Minnan-Wong	21-03	Greenland Rd, Plateau Cres, Waxwing Pl	Storm Sewer Replacement
16	Councillor Denzil Minnan-Wong	21-04	Deepwood Cres	Storm Sewer Replacement
16	Councillor Denzil Minnan-Wong	21-07	Chipping Greenbelt Trl, Chipping Rd	Storm Sewer Replacement, Inlet Control Devices, Bioretention
16	Councillor Denzil Minnan-Wong	21-08	Farmcote Rd, Hermit Crt, Legato Crt, Swiftdale Pl, Yewfield Cres	Sanitary Sewer Replacement, Storm Sewer Replacement, Biofiltration, Inlet
16	Councillor Denzil Minnan-Wong	21-14	Crossburn Dr, Park Glen Dr	Storm Sewer Replacement, Inlet Control Devices, Biofiltration
18	Councillor John Filion	24-02	Christine Cres, Cloebury Crt, Dromore Cres, Finchurst Dr, Fleetwell Crt, Park Home Ave, Stafford Park Trl, Stafford Rd, Yorkview Dr	Sanitary Sewer Replacement, Storm Sewer Replacement, Inlet Control Devices, Biofiltration
18	Councillor John Filion	26-01	Dallas Rd, Grantbrook St, Tefley Rd	Sanitary Sewer Replacement, Storm Sewer Replacement, Inlet Control
18	Councillor John Filion	26-02	Finch Ave West	Sanitary Sewer Replacement
18	Councillor John Filion	26-03	Finch Ave West	Sanitary Sewer Replacement
18	Councillor John Filion	26-04	Hendon Ave	Storm Sewer Replacement, High Capacity Inlet
18	Councillor John Filion	26-05	Edithvale Park Trl, Finch Ave West, Lorraine Dr	Storm Sewer Replacement
18	Councillor John Filion	26-06	Empress Ave, Park Home Ave, Parkview Ave, Sheppard Ave W, Yonge St	New Sanitary Sewer, Sanitary Sewer Replacement, Storm Sewer Replacement
18	Councillor John Filion	26-08	Ellerslie Ave, Hounslow Ave, Tamworth Rd	Sanitary Sewer Replacement

Ward	Councillor	Project #	Location	Project Description
18	Councillor John Fillion	26-10	Kempford Blvd, Santa Barbara Rd	Storm Sewer Replacement
18	Councillor John Fillion	26-12	Horsham Ave, Hounslow Ave, Tamworth Rd	Storm Sewer Replacement, High Capacity Inlet
18	Councillor John Fillion	26-13	Elynhill Dr	Storm Sewer Replacement
18	Councillor John Fillion	26-14	Basil Hall Crt, Betty Ann Dr, Ellerslie Ave	Storm Sewer Replacement, Inlet Control Devices, High Capacity Inlets
18	Councillor John Fillion	26-18	Annapearl Crt, Byng Ave, Charlemagne Dr, Dudley Ave, Willowdale Ave	Storm Sewer Replacement
18	Councillor John Fillion	26-24	Kingsdale Ave, Mckee Ave, Waring Crt	Storm Sewer Replacement
18	Councillor John Fillion	26-28	Alfred Ave, Anndale Dr, Clairtrell Rd, Glendora Ave, Greenfield Ave, Hollywood Ave, Spring Garden Ave, Willowdale Ave	New Sanitary Sewer, Storm Sewer Replacement
18	Councillor John Fillion	26-35	Avondale Ave, Oakburn Cres	Storm Sewer Replacement

2020 - Year 2 Projects

Projects with Completed Preliminary Design - Targeted Construction Start Year of 2020

Ward	Councillor	Project #	Location	Project Description
2	Councillor Stephen Holyday	8-04A	Sir Williams Lane, Thorncrest Rd	Sanitary Sewer Replacement, Storm Sewer Replacement
5 / 8 / 9	Councillors Frances Nunziata, Mike Colle and Ana Bailão	3-03 ⁶	Aileen Ave, Allenvale Ave, Bicknell Ave, Blackthorn Ave, Blandford St, Bowie Ave, Branstone Rd, Caledonia Rd, Chamberlain Ave, Chudleigh Rd, Commodore Ave, Croham Rd, Dufferin St, Dunraven Dr, Dynevor Rd, Bert Robinson Park, Fairbank Park, Keersdale Park, Eglinton Ave W, Ennerdale Rd, Fairbank Ave, Genessee Ave, Gilbert Ave, Glenholme Ave, Hanson Rd, Harlow Ave, Harvie Ave, Haverson Blvd, Holmesdale Rd, Kane Ave, Keith Ave, Gilbert Ave, Kersdale Ave, Keywest Ave, Kirknewton Rd, Kitchener Ave, Little Blvd, Martin St, McRoberts Ave, Nashville Ave, Northcliffe Blvd, Oakwood Ave, Regent St, Rogers Rd, Scott Rd, Silverthorn Ave, Snider Ave, Westbury Cres, Westmount Ave	New Storm Sewer, Combined Sewer Replacement, Inlet Control Devices
19	Councillor Brad Bradford	1-01C	Amsterdam Ave, Furnival Rd, Glenburn Ave, Joanith Dr, Merritt Rd, Peard Rd, Squires Ave, St Clair Ave E, Topham Rd, Valor Blvd, Westview Blvd	New Storm Sewer, Storm Sewer Replacement

2021, 2022 & 2023 - Year 3, 4 & 5 Projects
Projects Undergoing Preliminary Design - Targeted Construction Start in 2021, 2022 & 2023

Ward	Councillor	Project #	Location	Project Description
2	Councillor Stephen Holyday	8-01	Appledale Rd, Firwood Cres, Lesmar Dr, Lloyd Manor Rd, Prince George Dr	Sanitary Sewer Replacement, Storm Sewer Replacement
2	Councillor Stephen Holyday	8-05	Sir Williams Lane, Twyford Rd	Sanitary Sewer Replacement
8	Councillor Mike Colle	17-01	Dane Ave, Dufferin St, Lawrence Ave W, Mulholland Ave, Via Bagnato	Sanitary Sewer Replacement
16	Councillor Denzil Minnan-Wong	22-07	Bermondsey Rd, Easement, Eccleston Dr, Elvaston Dr, Sloane Ave, Swift Dr, Tinder Cres, Trophy Dr	Sanitary Sewer Replacement, Storm Sewer Replacement, Inlet Control Devices
16	Councillor Denzil Minnan-Wong	23-01	Baltray Cres, Billington Cres, Fortrose Cres, Marbury Cres, Roywood Dr, Skelmore Cres, Tulane Cres	Storm Sewer Replacement, Inlet Control Devices
16	Councillor Denzil Minnan-Wong	23-02	Evermede Dr, Farm Greenway, Fenside Dr Lynedock Cres, Niantic Cres, Roywood Dr, Slidell Cres, Tulane Cres, Versend Dr, York Mills Rd	Storm Sewer Replacement, Inlet Control Devices
16	Councillor Denzil Minnan-Wong	23-03	Brookbanks Park Trl, Clayland Dr, Dukinfield Cres, Lynedock Cres, Roywood Dr, Sandover Dr	Storm Sewer Replacement, Inlet Control Devices
16	Councillor Denzil Minnan-Wong	23-04	Brookbanks Park Trl, Cannonbury Crt, Combermere Dr, Pinemore Cres, Pintail Cres, Ptarmigan Cres, Pynford Cres, Rayoak Dr, Treadgold Cres, Wallingford Rd	Storm Sewer Replacement, Inlet Control Devices, Storm Storage
16	Councillor Denzil Minnan-Wong	23-06	Brookbanks Dr, Lichen Pl, Sagebrush Lane	Storm Sewer Replacement, Bioretention
16	Councillor Denzil Minnan-Wong	23-07	Brookbanks Dr, Hockley Pl, Tanburn Pl, Truxford Rd, Wallingford Rd	Storm Sewer Replacement, Inlet Control Devices, Bioretention
16	Councillor Denzil Minnan-Wong	23-08	Brookbanks Dr, Overbank Cres	Storm Sewer Replacement, Inlet Control Devices, Bioretention
16	Councillor Denzil Minnan-Wong	23-09	Brookbanks Dr, Brushwood Crt, Overbank Cres	Storm Sewer Replacement, Inlet Control Devices, Bioretention
16	Councillor Denzil Minnan-Wong	23-13	Groveland Cres, Kestell Lane, Lacewood Cres, Three Valleys Dr	Storm Sewer Replacement, Inlet Control Devices, Bioretention, High Capacity Inlets
16	Councillor Denzil Minnan-Wong	23-14	Three Valleys Dr	Storm Sewer Replacement, Bioretention

Ward	Councillor	Project #	Location	Project Description
17	Councillor Shelley Carroll	27-08	Bunty Lane, Burbank Dr, Burleigh Heights Dr, Forest Grove Dr, Palomino Cres	Storm Sewer Replacement
17	Councillor Shelley Carroll	27-14	Burbank Dr, Hi Mount Dr	Storm Sewer Replacement
17	Councillor Shelley Carroll	27-18	Burbank Dr, Citation Dr, Flaremore Cres, Sifton Crt, Tally Lane	Storm Sewer Replacement
17	Councillor Shelley Carroll	27-26	Elkhorn Dr, Rean Dr	Storm Sewer Replacement
17 / 18	Councillors Shelley Carroll and John Filion	27-05	Elmwood Ave, Estelle Ave, Foxwarren Dr, Millgate Cres	Sanitary Sewer Replacement, Storm Sewer Replacement
18	Councillor John Filion	25-01	Cameron Ave, Florence Ave, Franklin Ave, Franklin Ave, Johnston Ave, Pewter Rd, Poyntz Ave, Radine Rd	Sanitary Sewer Replacement, Storm Sewer Replacement
18	Councillor John Filion	27-01	Estelle Ave, Kingsdale Ave	Sanitary Sewer Replacement, Storm Sewer Replacement
18	Councillor John Filion	27-03	Wedgeport Pl	Storm Sewer Replacement
18	Councillor John Filion	27-04	Olive Ave	Storm Sewer Replacement

2021, 2022 & 2023 - Year 3, 4, & 5 Projects
Projects Planned for Preliminary Design - Targeted Construction Start in 2021, 2022 & 2023

Ward	Councillor	Project #	Location	Project Description
1	Councillor Michael Ford	36-22	Blackfriar Ave, Kingsview Blvd, St. Maurice Crt,	Storm Sewer Replacement, Inlet Control Devices
1	Councillor Michael Ford	39-03	Bairstow Cres, Braddock Rd, Heatherglen Rd, Jeffcoat Dr, Kearney Dr, Martin Grove Rd, Mercury Rd, Porterfield Rd, Rosefair Cres	High Capacity Inlets, Inlet Control Devices, Storm Sewer Replacements, Bioretention
1	Councillor Michael Ford	39-04	Billcar Rd, Dittmer Cres, Jeffcoat Dr, Porterfield Rd	High Capacity Inlets, Inlet Control Devices, Storm Sewer Replacements, Bioretention
1	Councillor Michael Ford	39-05	Bolger Pl, Genthorn Ave, Kipling Ave, Needham Dr, Rex Gt	Sanitary Sewer Replacement, Bioretention
1	Councillor Michael Ford	39-06	Racine Rd	Storm Sewer Replacement, Bioretention
1	Councillor Michael Ford	39-07	Berry Creek Dr, Clearbrooke Crcl, Coolhurst Dr, Coppermill Dr, Redcliff Blvd	High Capacity Inlets, Inlet Control Devices, Storm Sewer Replacement, Bioretention
1	Councillor Michael Ford	39-08	Benway Dr, Clearbrooke Crcl, , Cricklewood Rd, Frost St, Hardisty Dr, Redwater Dr, Stavely Cres	Sanitary Sewer Replacement, High Capacity Inlets, Inlet Control Devices, Storm Sewer Replacement, Bioretention
1	Councillor Michael Ford	39-10	Gosfield Gt, Islington Ave	Storm Sewer Replacement, Bioretention
1	Councillor Michael Ford	39-11	Golfdown Dr, Shendale Dr	Inlet Control Devices, Storm Sewer Replacement, Bioretention

Ward	Councillor	Project #	Location	Project Description
1	Councillor Michael Ford	39-13	Ringway Cres	Storm Sewer Replacement, Bioretention
1	Councillor Michael Ford	39-14	Norfield Cres	High Capacity Inlets, Inlet Control Devices, Storm Sewer Replacement, Bioretention
1	Councillor Michael Ford	39-15	Brydon Dr	Sanitary Sewer Replacement
2	Councillor Stephen Holyday	36-17	Poynter Dr	Storm Sewer Replacement, Inlet Control Devices
2	Councillor Stephen Holyday	36-18	Brampton Rd, Celestine Dr, Holywell Dr, , Kipling Ave, Learmount Dr, Moline Dr, Nugent Rd, Shipley Rd, Templar Dr, The Westway, Tynevale Dr, Wincott Dr,	Storm Sewer Replacement, Inlet Control Devices
2	Councillor Stephen Holyday	36-19	Celestine Dr, Dixon Rd, Hayhurst Rd, Kipling Ave, Ludstone Dr	Storm Sewer Replacement, Sanitary Sewer Replacement, Inlet Control Device, High Capacity Inlet
2	Councillor Stephen Holyday	38-01	Donegal Path, Permfield Path	Sanitary Sewer Replacement
2	Councillor Stephen Holyday	38-02	Stevenharris Dr, Rayside Dr	Sanitary Sewer Replacement
2	Councillor Stephen Holyday	38-08	Oxeden Cres, Richland Cres, Rymer Rd, Sheath Rd, Torrington Dr, Wellsworth Dr	Storm Sewer Replacement, New Storm Sewers, Inlet Control Devices, High Capacity Inlets
2	Councillor Stephen Holyday	38-09	Bloordale Park South, Bridgetown Dr, Renforth Dr, Seclove Dr, Toledo Rd	Storm Sewer Replacements, New Storm Sewers
2	Councillor Stephen Holyday	38-10	Neilor Cres	Storm Sewer Replacements
2	Councillor Stephen Holyday	38-11	Koos Rd, Radway Ave, Rayside Dr	Storm Sewer Replacements
2	Councillor Stephen Holyday	38-12	The West Mall	Storm Sewer Replacements
2	Councillor Stephen Holyday	38-13	Bearbury Dr, Cosway Crt, Markland Dr, Toledo Rd	Storm Sewer Replacements
2	Councillor Stephen Holyday	38-14	Bloor St, Conifer Dr, Markwood Cres, Mill Rd,	Storm Sewer Replacements
2	Councillor Stephen Holyday	41-03	Appleby Crt, Cowley Ave, Lorraine Gdns, Martin Grove Rd	New Sanitary Sewers, Sanitary Sewer Replacement, Storm Sewer Replacement, High Capacity Inlets, Inlet Control Devices, Bioretention
2	Councillor Stephen Holyday	41-06	Bardbury Cres, Beckwith Rd, Belgate Pl, Courtwright Rd, Firestone Rd, Gentian Dr, Hartland Rd, Littlewood Cres, Rangoon Rd, Sigmont Rd, Wellesworth Dr	New Storm Sewers, Storm Sewer Replacement, High Capacity Inlets, Inlet Control Devices, Bioretention
3	Councillor Mark Grimes	38-03	Avalon Rd, Delma Dr, Eltham Dr, Foch Ave, Horner Ave, Orianna Dr	Sanitary Sewer Replacement

Ward	Councillor	Project #	Location	Project Description
3	Councillor Mark Grimes	38-04	Evens Ave	Sanitary Sewer Replacement
3	Councillor Mark Grimes	38-05	Etobicoke Valley Park, Westhead Rd	Sanitary Sewer Replacement
3	Councillor Mark Grimes	38-06	Dunning Cres, Horner Ave, Westhead Rd	Sanitary Sewer Replacement
3	Councillor Mark Grimes	38-07	Gort Ave	Sanitary Sewer Replacement
3	Councillor Mark Grimes	38-15	Ecker Dr, Hargrove Ln, Savona Dr	Storm Sewer Replacements
3	Councillor Mark Grimes	38-16	Delma Dr, Gair Dr, Fulham Dr, Highbury Dr, Mitcham Dr, Stepney Dr, Westhead Rd	Storm Sewer Replacements
3	Councillor Mark Grimes	38-17	Foch Ave, Gort Ave, Jellicoe Ave, Woodbury Rd	Storm Sewer Replacements
3	Councillor Mark Grimes	38-18	Albright Ave	Storm Sewer Replacements
5	Councillor Frances Nunziata	36-01	Saxony Cres	Storm Sewer Replacement
5	Councillor Frances Nunziata	36-02	Littoral Pl	Storm Sewer Replacement, Inlet Control Devices
5	Councillor Frances Nunziata	36-03	Chapman Rd, Craig Alan Crt, Drury Lane, Griggsden Ave, Matane Crt, Munhall Rd, Renault Cres, Ridgemount Rd, Westmount Park Rd	Storm Sewer Replacement, Sanitary Sewer Replacement, Inlet Control Device, High Capacity Inlet
5	Councillor Frances Nunziata	36-06	The Westway, Trio Ave, Westroyal Rd	Storm Sewer Replacement
5	Councillor Frances Nunziata	36-09	Emery Crt	Storm Sewer Replacement
5	Councillor Frances Nunziata	36-11	McManus Rd,	Storm Sewer Replacement, Storm Outfall Upgrade
5 / 8	Councillors Frances Nunziata and Mike Colle	17-23 ⁷	Apex Rd, Caledonia Rd, Capitol Ave, Claver Ave, Coldstream Ave, Dalemout Ave, Danesbury Ave, Densley Ave, Dufferin S, Easement, Enid Cres, Ennerdale St, Eugene St, Euphrasia Dr, Glen Belle Cres, Glen Park Ave, Glenbrook Ave, Glenbrook, Glengrove Ave, Good Shepperd Crt, Gurney Cres, Hillmount Ave, Ingram Dr, Ingram Transfer Station, Joyce Pkwy, Keele St, Kincort St, Landsdowne Ave, Lawrence Ave W, Lilywood Rd, Marianfield Ave, Marlee Ave, Playfair Ave, Raitherm Rd, Romar Cres, Sheffield St, Stayner Ave, Steven Ave, Times Rd, Tycos Rd.	Sanitary Sewer Replacement, Storm Sewer Replacement, Storm Storage

Ward	Councillor	Project #	Location	Project Description
8	Councillor Mike Colle	40-11	Avenue Rd, Brooke Ave, Carmichael Ave, Felbrigg Ave, Haddington Ave, Jaaney Pl, Joicey Blvd, Kelso Ave, McGillivray Ave, Roe Ave	Sanitary Sewer Replacement, Storm Sewer Replacement
12	Councillor Josh Matlow	40-01	Montclair Ave	Storm Sewer Replacement
12	Councillor Josh Matlow	40-16	Dunvegan Rd, Frybrook Rd, Forest Hill Rd	Sanitary Sewer Replacement, Storm Sewer Replacement
14	Councillor Paula Fletcher	32-04	Easement, Eastern Ave, Leslie St, Mosley St, Winnifred Ave	Storm Sewer Replacement
14	Councillor Paula Fletcher	32-15	Kerr Rd	Storm Sewer Replacement
14	Councillor Paula Fletcher	32-16 B	Minto St	Storm Sewer Replacement
14	Councillor Paula Fletcher	32-17	Alton Ave, Laing St, Queen St E	Combined Sewer Replacement
14	Councillor Paula Fletcher	32-18	Earl Grey Rd, Hunter St, Ravina Cres, Shudell Ave	New Storm Sewer
14	Councillor Paula Fletcher	32-19	Carlaw Ave, First Ave	New Storm Sewer, Combined Sewer Replacement
14	Councillor Paula Fletcher	32-20	Pape Ave	New Storm Sewer
14	Councillor Paula Fletcher	32-21	Coady Ave, Jones Ave, Leslie St, Queen St E	New Storm Sewer, Combined Sewer Replacement
14	Councillor Paula Fletcher	32-22	Carlaw Ave	Combined Sewer Replacement
14	Councillor Paula Fletcher	32-23	Morse St	Combined Sewer Replacement, Storm Sewer Replacement
14	Councillor Paula Fletcher	32-24	Booth Ave, Empire Ave	Combined Sewer Replacement, Storm Sewer Replacement
14	Councillor Paula Fletcher	32-25	Eastern Ave, Saulter St	New Storm Sewer
14 / 19	Councillors Paula Fletcher and Brad Bradford	32-14	Craven Rd, Queen St E, Rhodes Ave	New Storm Sewer, Storm Sewer Replacement, Combined Sewer Replacement
19	Councillor Brad Bradford	32-05	Glen Manor Dr	New Storm Sewer, Storm Sewer Replacement
19	Councillor Brad Bradford	32-06	Rainsford Rd	Combined Sewer Replacement
19	Councillor Brad Bradford	32-07	Elmer Ave	Storm Sewer Replacement
19	Councillor Brad Bradford	32-08	Queen St E	New Sanitary Sewer
19	Councillor Brad Bradford	32-09	Hambly Ave	Storm Sewer Replacement
19	Councillor Brad Bradford	32-10	Lake Shore Blvd E	New Storm Sewer, Storm Sewer Replacement

Ward	Councillor	Project #	Location	Project Description
19	Councillor Brad Bradford	32-11	Buller Ave, Kenilworth Ave, Kewbeach Ave, Kippendavie Ave, Woodbine Ave	New Storm Sewer, Storm Sewer Replacement, Combined Sewer Replacement
19	Councillor Brad Bradford	32-12	Waverley Rd	New Storm Sewer
19	Councillor Brad Bradford	32-13	Lee Ave	New Storm Sewer
20	Councillor Gary Crawford	32-26	Victoria Park Ave	Combined Sewer Replacement
19	Councillor Brad Bradford	32-27	Kingswood Rd, Neville Park Blvd, Queen St E	New Storm Sewer, Storm Sewer Replacement
20	Councillor Gary Crawford	33-01	Avalon Blvd	New Storm Sewer
20	Councillor Gary Crawford	33-03	Craiglee Dr, Haslam St, Kennedy Rd, Malta St, Preston St	New Storm Sewer
20	Councillor Gary Crawford	33-05	Chine Dr, Montvale Dr, St Clair Ave E	Sanitary Sewer Replacement
20	Councillor Gary Crawford	34-01	Audrey Ave, Blantyre Ave, Clonmore Dr, Coalport Dr, Cornell Ave, East Rd, Fallingbrook Rd, Gerrard St E, Kenny Ave, Kingston Rd, Linton Ave, Queensbury Ave, Red Deer Ave, Swanwic Ave, Winston Ave	New Storm Sewer, Storm Sewer Replacement, New Combined Sewer, Combined Sewer Replacement
20	Councillor Gary Crawford	34-02	Byng Ave, Danforth Ave, Elward Blvd, Kenworthy Ave, Leyton Ave, Mansion Ave, Patterson Ave, Thora Ave	Sanitary Sewer Replacement, New Storm Sewer, Storm Sewer Replacement
20	Councillor Gary Crawford	34-03	Danforth Rd, Mack Ave	New Storm Sewer, Storm Sewer Replacement
20	Councillor Gary Crawford	34-05	Danforth Rd, Dunlop Ave, Glasgow Ave, Kennedy Rd, Kilmarnock Ave, Marsh Rd, Moira Ave, North Bonnington Ave, North Woodrow Blvd, Raleigh Ave, Silvio Ave, Zenith Dr	Sanitary Sewer Replacement, New Storm Sewer, Storm Sewer Replacement
20	Councillor Gary Crawford	34-11	Autumn Ave, Brenda Cres, Cleta Dr, Garthwood Dr, Hart Ave, Linden Ave, Midland Ave, Roebuck Dr, St. Clair Ave E, Summer Dr	New Storm Sewer, Storm Sewer Replacement

**Projects Removed from the Capital Plan into the BFPP Backlog
(i.e. Preliminary Design Costs > \$32,000 per benefitting property)**

Ward	Councillor	Project #	Location	Project Description
5	Councillor Frances Nunziata	6-07	Clouston Ave	New Storm Sewers, Inlet Control Devices
5	Councillor Frances Nunziata	16-12	Gracefield Ave, Keele St	New Storm Sewer
6	Councillor James Pasternak	19-04	Cavotti Cres, Honiton St	Storm Sewer Replacement, Inlet Control Devices, High Capacity Inlet
6	Councillor James Pasternak	19-08	Barksdale Ave, Shaftesbury St, Wilmington Ave	Storm Sewer Replacement, Inlet Control Devices
8	Councillor Mike Colle	18-08	Avenue Rd, Douglas Ave, Woburn Ave	Storm Sewer Replacement, Inlet Control Devices, High Capacity Inlets
8	Councillor Mike Colle	19-25	Avenue Rd, Bumcrest Dr, Carmichael Ave, Joicey Blvd, Kelso Ave, Marquette Ave, Mcgillivray Ave, Ridley Blvd	Storm Sewer Replacement, Inlet Control Devices, High Capacity Inlets
16 / 21	Councillors Denzil Minnan-Wong and Michael Thompson	22-04	Ruscica Dr Victoria Park Ave	New Storm Sewer, Storm Sewer Replacement, Bioretention

Notes:

1. This project exceeds the \$32,000 cost per benefitting property threshold. This project proceeded into detailed design and construction as the minimum level of service is not being provided by the existing sewer system.
2. Challenging conditions were discovered upon commencing the construction of assignment 6-01 in 2017. Complications surrounding subsurface utilities and the existing sanitary sewer at the intersection of Lippincott St. E and Weston Rd. required project reconsideration. As a result of the time and effort required to resolve the project challenges, this project will now be delivered in 2019 to coincide with Transportation Services construction in the area.
3. This project exceeds the \$32,000 cost per benefitting property threshold. This project proceeded into detailed design and construction due to the poor structural condition of the existing sewers.
4. Assignment 30-18 has been rescheduled to begin construction in 2019 due to the additional time required to acquire easements associated with the hydro corridor.
5. This project exceeds the \$32,000 cost per benefitting property threshold. This project is proceeding into detailed design as the minimum level of service is not being provided by the existing sewer system, and as a result of the need to provide servicing capacity for the Lawrence-Allen Revitalization Project (LARP). The cost of this project is significant, and further consideration is expected through the design process regarding the extent of and phasing of construction efforts. Funding is being pursued through Infrastructure Canada's Disaster Mitigation Adaptation Fund (DMAF) for this project. If the 2019 funding application is successful, this federal funding will offset a portion of the project cost.
6. This project exceeds the \$32,000 cost per benefitting property threshold. As this project will provide both basement flooding protection and achieve water quality improvements in conformance with the City's Wet

Weather Flow Master Plan, it is proceeding through preliminary and detailed design. Funding is being pursued through Infrastructure Canada's Disaster Mitigation Adaptation Fund (DMAF) for this project. If the 2019 funding application is successful, this federal funding will offset a portion of the project cost.

7. As this project will provide both basement flooding protection and achieve water quality improvements in conformance with the City's Wet Weather Flow Master Plan, and as there is a need to coordinate long-term planning with Transportation Services' plans to construct an underpass, preliminary design for this project will be undertaken even though the project exceeds the \$32,000 cost per benefitting property threshold. Soil contamination is impacting project costs, and commitments regarding detailed design and construction will be reviewed upon completion of the preliminary design stage regarding the extent and merits of proceeding to construction for all or part of the project. It is planned to pursue funding through Infrastructure Canada's Disaster Mitigation Adaptation Fund (DMAF) for this project. If the 2020 funding application is successful, this federal funding will offset a portion of project cost.