



REPORT FIN-2023-031

TO: Mayor and Members of Council

PREPARED BY: Mary Hasan, Director of Finance/Treasurer

PRESENTED BY: Mary Hasan, Director of Finance/Treasurer

MEETING DATE: October 25, 2023

SUBJECT: 2024 Proposed Capital Budget
File No. F05 BUD

RECOMMENDATIONS

THAT Report FIN-2023-031 entitled 2024 Proposed Capital Budget be received.

Purpose

The purpose of this report is to provide Council with information regarding the 2024 Proposed Capital Budget.

The 2019 to 2033 Capital Plan Summaries including the 2024 Capital Budget Sheets are included as Schedule A to Report FIN-2023-031. The Projects by Year for each department with total budgeted costs is included as Schedule B to Report FIN-2023-031.

The 2023 completed capital projects and the balances in discretionary and restricted reserves over the forecast period will be presented at a future Council Meeting.

Background

The senior leadership team worked collaboratively with the Director of Finance/Treasurer in September/October 2023 to update the budget model to complete their proposed capital budgets.

Summarized below are the proposed 2024 capital items to be funded from the capital tax levy:

Department	Classification	Description of Item	Amount	Notes (ie. other funding sources)
Corporate	Reserve Contribution	Asset Management (AM) Discretionary Reserve	\$949,075	See Section Below – Discretionary Reserves
Corporate	Reserve Contribution	Corporate Information Technology	\$15,000	See Section Below – Discretionary Reserves
Corporate	Study/Plan	Regionally Significant Economic Development Study Area Phase 1 (Employment)	\$70,000	Discussed further in sections below.
Corporate	Study/Plan	401 and Highway 6 Project Review of Hotspots	\$10,000	
Corporate	Study/Plan	Compensation and Benefits Review	\$20,000	
Finance	Study/Plan	Asset Management Plan and Policy Updates	\$10,000	Discussed further in sections below.
Finance	Study/Plan	2024 Development Charges Background Study	\$2,100	Discussed further in sections below.
Finance	Study/Plan	2024 Conservation and Demand Management Plan	\$525	
Parks	Study/Plan	Recreation and Parks Master Plan	\$25,000	Discussed further in sections below.
Public Works	Study/Plan	Bridge and Culvert Inspections - 2025	\$7,500	
Public Works	Reserve Contribution	Gravel Roads Improvement	\$320,800	See Section Below – Discretionary Reserves
Public Works	New Asset	Pickup truck - 1/2 ton - Crew Cab - 07	\$55,000	Discussed further in sections below.
Public Works	Study/Plan	Comprehensive Speed Limit Review for Township Roads with a Posted Speed Above 60 km/hr	\$15,000	Discussed further in Schedule H to Report FIN-2023-031.
		Proposed Capital Tax Levy	\$1,500,000	

The total proposed capital tax levy funding as outlined above is \$1,500,000. The total approved capital tax levy funding in the 2023 approved capital budget amounted to \$1,311,000 (a proposed increase of \$189,000).

Impacts of Bill 23 – Administration- Studies

The Township has received confirmation from Watson & Associates (Watson), the consultant who prepared the Township’s 2019 DC Background Study that the Township is required to prepare a new DC Study effective September 2024 as its current by-law is set to expire. Watson

recommends that the Township consider incorporating the findings of the Roads Management Plan into its next by-law and not seek to undertake an amendment. This is recommended given the proximity in the timing of expiry of the existing by-law. The new by-law passed in September 2024 will expire after 10 years (as opposed to the previous 5 years) in accordance with the provisions of Bill 23.

Unfortunately, with the implementation of Bill 23, the Township is no longer able to fund studies from DC's for projects occurring after the new DC by-law is established. Funding for studies will still be permitted under the Township's existing 2019 by-law, however, when a new by-law is adopted in September 2024, these studies will need to be removed from the by-law and no longer eligible for funding.

The following projects in the Capital Budget and Forecast are now fully tax levy funded rather than partially funded by the Administration – Studies DC. The amount that was previously allocated to be funded by the Administration – Studies DC (in the 2023 Capital Budget and Forecast) is outlined below:

- Community Based Strategic Plan - \$30K estimate with \$5K previously DC funded.
- 2024 Asset Management Plan and Policy Updates - \$10K estimate with \$1K previously DC funded.
- 2029 Asset Management Plan and Policy Updates - \$10K estimate with \$1K previously DC funded.
- 2029 DC Background Study - \$21K estimate with \$19K previously DC funded.
- Fire Master Plan - \$60K estimate with \$36K previously DC funded.
- Recreation and Parks Master Plan - \$50K estimate with \$27K previously DC funded.
- Traffic Count Study - \$30K estimate with \$18K previously DC funded.
- Roads Condition Index Updates - \$40K estimate with \$24K previously DC funded.

Should Council wish to establish a new discretionary reserve pertaining to Administration Studies, it is recommended that an amount of \$50,000 be contributed to this reserve for the purpose of funding previously eligible studies that are no longer eligible to be DC funded due to Bill 23.

Gravel Pits Assessment Update

The County of Wellington (County) has indicated that the additional taxation for the Township from 2017 to 2023 related to the gravel pit appeals will likely be processed in 2024. The County has also confirmed that the 2024 returned assessment roll from the Municipal Property Assessment Corporation (MPAC) will include the new assessment associated with these appeals. The County will report on the financial implications in early 2024 after the 2024 returned assessment roll has been provided by MPAC.

Information Technology Review

Township staff are in the process of preparing a report for Council's consideration regarding the budget implications associated with the recent Information Technology Review including options regarding the proposed server replacement in 2024.

Regionally Significant Economic Development Study Area Phase 1 (Employment) and Phase 2 (Residential)

Township staff have included two proposed projects in the Capital Budget and Forecast related to the Regionally Significant Economic Development Study Area.

- Phase 1 (Employment)
 - \$30K was approved in 2022 to be funded by Taxation Levy (\$5K) and County Business Retention & Expansion (BR&E) funding (\$25K).
 - \$70K is proposed in 2024 to be funded by Taxation Levy.
- Phase 2 (Residential)
 - \$60K is proposed in 2025 to be funded by Taxation Levy (\$35K) and County BR&E funding (\$25K).

The Township's recent/upcoming grant applications to the County's BR&E funding are as follows:

- 2022 – Community Improvement Plan Amendment and Financial Incentives.
- 2023 – Community Guide and Business Directory and Associated Programs as reported to Council at their June 14, 2023 Council Meeting in Report ADM-2023-031.
- 2024 - Regionally Significant Economic Development Study Area Phase 1 (Employment) as approved by Council through the 2022 Budget Process.
- 2025 - Regionally Significant Economic Development Study Area Phase 2 (Residential).

The County has budgeted \$120K for Phase 1 (Employment). The County has confirmed that they will not fund Phase 2 (Residential).

Watson has advised that the Township cannot utilize DC's to fund this study as the original study was not included in the Township's 2019 DC Background Study.

Township staff are currently in the process of working with County staff to prepare the scope of work to be presented to Council prior to issuing a Request for Proposal (RFP) in order to commence the study in early 2024 in accordance with Council Resolution No. 2023-305 at the September 27, 2023 Council Meeting.

It is not recommended that the Township utilize the AM Discretionary Reserve given the purpose of this reserve is to fund asset replacement projects and not economic development studies.

Downtown Revitalization

Council at its meeting held on September 6, 2023 directed staff to investigate planning revitalization of Aberfoyle between the two roundabouts including issuing a RFP for urban design concepts for the Aberfoyle and Morriston area to include the Township banners, pole lighting, sidewalks, and cross walks.

The Township developed a Traffic Calming - Streetscaping Morriston strategy in cooperation with the Ministry of Transportation, Wellington County Planning Department, and the Township. Council at its meeting held on December 12, 2018 directed staff to move the Traffic Calming- Streetscaping Morriston project from 2023 to 2028 to allow for the completion of the Morriston By-pass. The Township has included funds of \$100K in its 2028 Capital Budget and Forecast based on preliminary landscape cost estimates received in previous years.

The Township has been working collaboratively with the County Economic Development department regarding Council's direction at the September 6, 2023 Council Meeting. The County has provided the following information for Council's information:

In collaboration with Wellington-Waterloo Community Futures (WWCF), the Economic Development Division was successful in obtaining a Rural Economic Development (RED) grant to support downtown revitalization efforts across the County. Deliverables include building an updated photo library of Wellington County's downtowns and businesses, the creation of a Discover Downtown marketing campaign, and supporting specific priorities outlined by member municipalities. The photography project has wrapped up with assets being available to the municipalities by the end of October. Next steps for Puslinch include a downtown visitation of Aberfoyle and Morriston on October 18, 2023 in order to assess first impressions and become more familiar with both communities, a business mix analysis and recommendations.

It is recommended that staff report back on downtown revitalization at a future date in order to incorporate both the County and the Traffic Calming - Streetscaping Morriston work.

Asset Management Plan and Policy Updates

The 2024 Capital Budget includes \$10K for updating the 2019 AM Plan and Policy. Ontario Regulation 588/17 requires that municipalities update their AM Plan and Policy at least five years after the year in which the plan is completed and at least every five years thereafter.

Based on a recent quote received, this work can cost up to \$67K of consulting costs (including citizen engagement and Council Meeting attendance).

In addition, implementation of the budget system (2023/2024) and asset management system (2024/2025) is ongoing. The timelines for these significant system implementations are in accordance with the timelines noted in the Goals and Objectives adopted by Council at their meeting held on January 18, 2023.

Township staff are in the process of preparing a report for Council's consideration regarding options for Council's consideration including staff resourcing requirements and/or consulting assistance to implement these requirements.

Recreation and Parks Master Plan

Council at its meeting held on September 6, 2023 directed staff to report back on what the costing is to be considered during the budget process to start the Recreation and Parks Master planning update process in 2024.

Township staff have incorporated this project in 2024 (\$25K taxation levy funded) and 2025 (\$25K taxation levy funded).

Township staff are in the process of preparing a report for Council's consideration regarding the implementation and progress made on the recommendations from the Recreation and Parks Master Plan that was adopted by Council in May 2015 and the Parks Master Plan work that has been completed over the last several years.

Parks Pickup Truck

Council at its meeting held on September 27, 2023 received Report REC-2023-004 - Service Levels – Parks and Recreation including staff's recommendation regarding increasing the number of Parks Pickup Trucks from one (1) to two (2).

At this meeting, Council deferred the decision regarding the following matters to the Capital Budget deliberations:

- intercorporate transfer of the Public Works Pickup truck – $\frac{3}{4}$ ton – Crew Cab Asset No. 7009 acquired in 2017 to Parks; and
- pre-budget approval of a new Public Works Pickup truck – $\frac{1}{2}$ ton – Crew Cab amounting to \$55,000.

An excerpt from Report REC-2023-004 – Service Levels – Parks and Recreation regarding this matter is further outlined below:

As outlined in Report ADM-2023-046 – Budget Process and Service Level Review, the parks department has one (1) pickup truck that is currently being used amongst three (3) employees. Within the Parks department, there is one ½ ton crew cab pick-up responsible for transporting staff and mowers to the various sites in the Township. With the addition of a second pickup truck, the three parks employees could more efficiently complete tasks. Currently all three staff must travel together in the one truck. The Township has two mowers and so it would be much more efficient if a second truck was added in parks in order for the third parks employee to complete additional tasks at a different site. The addition of the second truck for Parks would be beneficial in advance of the completion of the Puslinch Community Centre (PCC) Park Renovation and Upgrade as this site will require additional maintenance and upkeep.

Staff discussed potential leasing options and were notified by the dealer that due to the wear and tear on Public Works/Parks vehicles, long-term leasing options are not available. The Township has typically completed intercorporate transfers of pickup trucks between departments.

Attached as Schedule C to Report FIN-2023-031 is the Township's proposed corporate wide equipment replacement schedule (including pickup trucks). The equipment replacement schedule also incorporates how trucks are transferred between various Township departments.

Parking Lot & Associated Enhancements (curbing, entrance, and additional lighting) at the front of the PCC

Council's direction at its meeting held on December 7, 2022 was to:

- initiate an illumination design to be conducted by an engineer to ensure compliance of the parking lot and main entrances to the PCC; and
- that this design be funded by the Cash in Lieu of Parkland Reserve; and
- That Council direct staff to report back on costing options

The 2023 approved Capital Budget included an amount of \$300K with 17% of the funds coming from the County (\$51K) based on the cost sharing agreement in place. Based on the lighting assessment completed in 2023, the parking lot will require new light towers and lighting upgrades. The total approximate cost of the project has increased to \$450K. This would amount to approximately \$76.5K County funding. The Township is anticipating that the project construction will commence in 2024. The County has confirmed that it will fund 17% of these additional costs.

The proposed works include removal of existing asphalt; new asphalt installed including new pavement markings; curb repairs; light standard upgrades and the addition of three overhead mast poles.

Boreham Park

Council at its meeting held on March 22, 2023 passed Council Resolution No. 2023-089 as follows:

That Council receives the Delegation by Bruce Taylor and Bernard Akuoko regarding safety in Boreham Park; and

Whereas the Township continues to be committed to complying with all legislative requirements related to Accessibility; and

Whereas there may be opportunities to collaborate with various agencies, such as the Canadian National Institute for the Blind, and other agencies on future projects;

That Council direct staff to include consideration for collaboration on future Township projects (Boreham ditches) where applicable.

Based on Council direction at the March 22, 2023 Council Meeting, the Township requested GM BluePlan to provide options and provide high level cost estimates in response to the delegation.

GM BluePlan has provided four options as outlined in Schedule G to Report FIN-2023-031. As noted in option four, the landscape design does not appear to have been implemented by the developer of the subdivision. Staff are unclear regarding the history of this file.

As part of the Boreham Park playground improvements in 2023, plantings will be incorporated delineating the ditch line from the playground.

At this time, staff do not have any additional recommendations for further work at Boreham Park. If directed by Council, staff recommend that any additional work at Boreham Park be considered in conjunction with the Township's Recreation and Parks Master plan update.

2024 Proposed Road Rehabilitation Projects

The 2024 proposed road rehabilitation projects were noted in the 2023 Roads Management Plan Time of Need and Priority Rating schedule presented to Council at its meeting held on September 6, 2023.

A summary of each of the projects' recommended scope of work is further outlined below:

- Watson Road South - County Road 37 (Arkell Road) to Maltby Road East
 - Pulverize and repave project requires a single lift of asphalt and 7 metres wide for 3.7 kilometers of roadway length including the replacement of three (3) underground culverts. Possible additional works may be required in the village of Arkell, should Council authorize traffic calming measures in accordance with the 2023 Roads Management Plan. Examples may include speed cushions within 50km/hr zone in Arkell village; quantity and location to be determined through road design. Staff recommend that temporary electronic speed display signs be installed at the completion of the road rehabilitation for a period of time to be determined by Council. Two (2) units are required at a total cost of \$10k.
- Gore Road - Valens Road to Concession 7 and Gore Road - Sideroad 20 South to Valens Road
 - Pulverize and repave project requires a single lift of asphalt and 7 metres wide for 4.1 kilometers of roadway length including the replacement of four (4) underground culverts subject to final engineering inspection.
- Maple Leaf Lane - County Road 46 to End
 - Pulverize and repave project requires a single lift of asphalt and 7 metres wide for 0.266 kilometers of roadway length.

Council at its meeting held on September 6, 2023 directed staff to provide Council the opportunity to comment prior to road design in order to consider speed mitigation, wildlife mitigation, road widening, etc. and that staff include any public feedback received for the road or road section. Council also directed staff to report back on speed indicator signs and costing. This analysis has been incorporated in Schedule H to Report FIN-2023-031.

Local Authority Services (LAS) Automated Speed Enforcement Service

Council at its meeting held on July 12, 2023 through Council Resolution No. 2023-229 directed staff to report back to Council on the LAS Automatic Speed Enforcement Service. LAS will be delegating to Council on this matter at the November 8, 2023 Council Meeting.

Kerr Crescent - Stormwater Management Facility

Council at its meeting held on December 7, 2022 through Council Resolution No. 2022-394 directed staff to approach the County requesting that a cost sharing agreement for the maintenance of the Kerr Crescent storm water management facility be established between the County and the Township.

The Township provided the cost sharing request to the County. The minutes from the County Roads Committee Meeting held on September 12, 2023 indicate that the cost sharing request was received for information.

It is recommended that staff investigate storm water management cost recovery options including fees and charges to individual properties serviced by municipally maintained storm water management ponds. This may include a by-law regulating the quality of water entering the pond from industrial properties or broader approaches to funding storm water management projects across the Township.

Discretionary Reserves

Clause 10 of the Budget Development and Control Policy includes information regarding the Township's Discretionary Reserve Financing and Balances. Schedule A of the Budget Development and Control Policy outlines the Township's operating and capital discretionary reserves including their purpose/use.

Outlined below are the previous approved budgeted contributions to discretionary reserves:

Year	Capital Discretionary	Operating Discretionary	Total
2020	\$1,573,066	\$88,750	\$1,661,816
2021	\$1,605,066	\$88,750	\$1,693,816
2022	\$1,702,000	\$23,750	\$1,725,750
2023	\$1,728,592 – Note A	\$38,750	\$1,767,342
2024 - Proposed	\$1,812,875 Note A	To be determined	To be determined

Note A – This amount includes the full transfer of \$528K (estimate as further discussed in the sections below) for the aggregate levy from operating funds to capital discretionary reserves for the purpose of funding Public Works capital projects over the forecast period.

AM Discretionary Reserve

The Township's AM Program and Capital Budget and Forecast enables the Township to plan effectively for the replacement of current infrastructure. The 2024 Capital Budget and Forecast was prepared taking into consideration the 2019 AM Plan and new and updated information regarding asset conditions and replacement cost estimates (ie. 2023 Ontario Structure Inspection Manual Report (Bridges and Culverts) and 2023 Roads Management Plan).

Costs related to asset replacement projects in the Capital Budget and Forecast are funded from the AM Discretionary Reserve as opposed to the Tax Levy resulting in a greater need to contribute funds into the AM Discretionary Reserve in order to address the Township's infrastructure deficit as noted in the 2019 AMP. Please note, any asset replacement projects

that are permitted to be funded by the Cash in Lieu of Parkland Restricted Reserve are funded by this restricted reserve. See the Cash in Lieu of Parkland section below for further details.

Based on the 2024 Capital Budget and Forecast, the estimated balances in the AM Discretionary Reserve are as outlined below.

2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
\$2.3M	\$661K	\$174K	-\$300K	-\$2.8M	-\$3.4M	-\$4.4M	-\$3.8M	-\$3.6M	-\$2.4M

The 2019 AM Plan recommends a minimum target balance of \$2.0 million and a maximum target balance of \$4.0 million in the AM Discretionary Reserve. The estimated balances only meet this target balance in 2024. The estimated balance does not meet this target balance from 2025 to 2033. The estimated balance becomes a deficit of \$300K in 2027 and continues to be a deficit to 2030 at \$4.4M. The deficit balance reduces to a deficit of \$2.4M by 2033.

The main reason for the change in the AM Discretionary Reserve is as follows:

- \$10.8M of capital withdrawals (average annual amount of \$1.1M) and \$12M of capital contributions (average annual amount of \$1.2M) were budgeted from 2023 to 2032 in the 2023 Capital Budget and Forecast in accordance with the 2023 Budget By-law No. 009-2023.
- \$17.7M of capital withdrawals (average annual amount of \$1.8M) and \$12M of capital contributions (average annual amount of \$1.2M) are being proposed from 2024 to 2033 in Report FIN-2023-031.
- The reason for the increase in proposed capital withdrawals relates to the capital cost estimates noted in the 2023 Roads Management Plan.
 - 17.8M (average annual amount of \$1.8M) of Public Works capital projects were budgeted from 2023 to 2032 in the 2023 Capital Budget and Forecast in accordance with the 2023 Budget By-law No. 009-2023.
 - 33.7M (average annual amount of \$3.4M) of Public Works capital projects are being proposed from 2024 to 2033 in Report FIN-2023-031.
 - It is recommended that staff work with GM BluePlan to determine if the capital cost estimates can be further refined and whether there are any roads projects that can be deferred past the 10 year period. Staff will incorporate this analysis in the next version of the 2024 Capital Budget and Forecast presented to Council.

At its May 24, 2023 Council Meeting, Council directed staff to report on the upper and lower limit thresholds for the AM plan. Staff are in the process of preparing this Report for Council's consideration.

Gravel Roads Improvement Discretionary Reserve

Outlined in the table below is the total projected balance in the Gravel Roads Improvement Discretionary Reserve as of December 31, 2024:

December 31 ,2022 Audited Balance	\$279,061
Add: 2023 Budgeted Contributions	\$270,800
Less: Gravel Road Engineering - Council Direction from March 1, 2023 Council Meeting	-(\$6,323)
Total Projected Balance as of December 31, 2023	\$543,538
Add: 2024 Proposed Budget Contributions	\$320,800
Less: 2024 Proposed Capital Projects	Upon Council Direction
Total Projected Balance as of December 31, 2024	\$864,338

The Capital Budget and Forecast includes contributions to the Gravel Roads Improvement Discretionary Reserve as outlined below which is in accordance with Council direction at the September 6, 2023 Council Meeting:

- 2024 - \$320,800
- 2025 - \$370,800
- 2026 - \$420,800
- 2027 - \$470,800
- 2028 - \$520,800
- 2029 - \$570,800
- 2030 - \$620,800
- 2031 - \$670,800
- 2032 - \$720,800
- 2033 - \$770,800

Township staff will provide the projected balance in the Gravel Roads Improvement Discretionary Reserve for the forecast period (ie. to 2033) at a future budget meeting.

2023 Surplus Allocation

Clause 11 of the Budget Development and Control Policy provides information regarding the General Corporate Surplus as outlined below:

- A Report is submitted for Council’s consideration in April following the fiscal year end for the General Corporate Surplus to be contributed to the AM Discretionary Reserve in

accordance with Council Resolution No. 2019-347 or to another Discretionary Reserve based on Council’s direction.

- The policy adopted by Council through Council Resolution No. 2019-347 states that Council authorizes the allocation of all budget surpluses into the Township’s AM Discretionary Reserve for the purpose of meeting future AM obligations.

The 2018 to 2020 and 2022 general surpluses were fully allocated to the AM Discretionary Reserve.

Similar to previous years, Township staff will provide Council with a general status report on the surplus/deficit as of December 31, 2023 based on the results of the 2023 audit in April of 2024.

Cash in Lieu of Parkland

Below is the cash in lieu of parkland collected from 2019 to 2023 year to date:

- 2019 - \$190K
- 2020 - \$203K
- 2021 – \$304K
- 2022 – \$256K
- 2023 year to date - \$1.1M – of which 90% of this amount was for cash in lieu of parkland collected from a significant non-residential development.

As outlined in the AM Discretionary Reserve section above, any asset replacement projects that are permitted to be funded by the Cash in Lieu of Parkland Restricted Reserve are funded by this restricted reserve. The Planning Act provides the following as it relates to cash in lieu of parkland:

(15) All money received by the municipality under subsections (6), (6.0.1) and (14) and all money received on the sale of land under subsection (5), less any amount spent by the municipality out of its general funds in respect of the land, shall be paid into a special account and spent only for the acquisition of land to be used for park or other public recreational purposes, including the erection, improvement or repair of buildings and the acquisition of machinery for park or other public recreational purposes.

Outlined in the table below is the total projected balance of the Cash in Lieu of Parkland Restricted Reserve as of December 31, 2024:

Balance as of October 11, 2023	\$2,221,488
Less: Previously Approved Capital Projects	-(\$1,212,857)
• ORC and PCC - Convert Lighting to LED	
• ORC - Pickleball Line Painting and Floor Refinishing	

<ul style="list-style-type: none"> • PCC Park - Back Soccer Fields Construction • PCC Park Renovation and Upgrade • Replace Lights at Old Morriston Park • Replacement of Old Morriston 2 Sets of Bleachers • Playground area at Boreham Park (also known as Arkell Park) • Kubota Lawn Tractor • Landscape Trailer • PCC - Replacement of Ceiling Components • Puslinch Lake Pedestrian Access and Signage 	
Less: 2024 Proposed Capital Projects <ul style="list-style-type: none"> • Pickup Truck - Trsfr from Public Works • Parking Lot & Associated Enhancements (curbing, entrance, and additional lighting) at the front of the Puslinch Community Centre • Replacement of UV Pure Water Treatment System • Window and Door Replacement Program 	-\$284,500
Plus: 2024 Estimated Funds Received	\$40,500 Note A
Projected Balance as of December 31, 2024	\$764,631

Note A: Based on discussions with County Planning Staff in 2020, the number of projected consents in the forecast is difficult to predict due to more restrictive Provincial policy and the fact that eligible properties are only allowed one consent since 2005. Therefore, Township staff have assumed a conservative estimate of three consents per year in order to estimate the amount of cash in lieu of parkland to be received in future years.

Township staff will provide the projected balance in the cash in lieu of parkland restricted reserve for the forecast period (ie. to 2033) at a future budget meeting.

Development Charges (DC's)

Below are the DC's collected from 2019 to 2023 year to date:

- 2019 - \$256K
- 2020 – \$754K of which 72% of this amount was for DC's collected from a developer that entered into a DC credit agreement with the Township in 2012.
- 2021 - \$318K
- 2022 – \$190K
- 2023 year to date - \$1.6M of which 96% of this amount was for DC's collected from a significant non-residential development.

Township staff will provide the projected balances in DC restricted reserves for the forecast period (ie. to 2033) at a future budget meeting.

The 2024 proposed projects affecting the current DC balances are outlined below.

Parks and Recreation Services DC's

Balance as of October 11, 2023	\$159,043
Less: Previously Approved Capital Projects <ul style="list-style-type: none"> • PCC Park Renovation and Upgrade • Playground area at Boreham Park (also known as Arkell Park) 	-\$146,852)
Less: 2024 Proposed Capital Projects	\$0
Plus: 2024 Estimated Funds Received	\$12,813
Projected Balance as of December 31, 2024	\$25,004

Fire Services DC's

Balance as of October 11, 2023	\$1,196,660
Less: Previously Approved Capital Projects	\$0
Less: 2024 Proposed Capital Projects <ul style="list-style-type: none"> • Wildland Firefighting Equipment 	-\$12,500)
Plus: 2024 Estimated Funds Received	\$26,457
Projected Balance as of December 31, 2024	\$1,210,617

Roads and Related Services DC's

Balance as of October 11, 2023	\$1,596,950
Less: Previously Approved Capital Projects <ul style="list-style-type: none"> • Leslie Road West - Watson Road South to Puslinch Flamborough Townline • Little's Bridge • Concession 7- Concession 2A to Mason Road • Maltby Road East - Victoria Road South to Watson Road South • Roszell Road - Forestell Road to Townline Road 	-\$328,173)
Less: 2024 Proposed Capital Projects <ul style="list-style-type: none"> • Watson Road South - County Road 37 (Arkell Road) to Maltby Road East • Maple Leaf Lane - County Road 46 to End • Gore Road - Valens Road to Concession 7 • Gore Road - Sideroad 20 South to Valens Road 	-\$443,352)
Plus: 2024 Estimated Funds Received	\$54,412
Projected Balance as of December 31, 2024	\$879,837

Please note that all Township roads projects are eligible to be DC funded at a rate of 13.6% in accordance with the Township’s 2019 DC Study. There is a projected deficit of \$277K to a deficit of \$1.4M in the Roads and Related Services DC’s from 2028 to 2033. The reason for the deficit relates to the increase in proposed capital withdrawals relates to the capital cost estimates noted in the 2023 Roads Management Plan as further outlined in the AM Discretionary Reserve section above. Staff have provided Watson with the 2023 Roads Management Plan in order to update the 2024 Development Charges Study with these increased replacement cost estimates.

The total DC’s in all Township service areas (ie. Parks and Recreation Services, Fire Services, and Roads and Related Services) have a healthy positive balance. A municipality is permitted to have a negative balance in a DC restricted reserve only if the municipality is able to obtain sufficient DC’s in the future to repay the negative balance.

Administrative Studies DC’s

Balance as of October 11, 2023	\$158,830
Less: Previously Approved Capital Projects	-\$22,152
• Development Charges By-law Amendment	
• Community Risk Assessment - Ontario Regulation 378/18	
Less: 2024 Proposed Capital Projects	-\$25,650
• 2024 Development Charges Background Study	
• 2024 Conservation and Demand Management Plan	
Plus: 2024 Estimated Funds Received	\$6,317
Projected Balance as of December 31, 2024	\$117,345

As discussed in the sections above, the Administrative Studies DC will no longer be in place upon the passing of the new DC by-law in September 2024.

Grants

The Township’s major known capital grant funding and amounts per year are outlined below:

Year	Canada Community-Building Fund	OCIF – Formula Based
2019	\$222,547	\$169,421
2019 top-up allocation	\$223,880	N/A
2020	\$222,547	\$168,923
2021	\$232,662	\$168,923
2021 top-up allocation	\$223,665	N/A
2022	\$232,662	\$331,262
2023	\$242,778	\$380,951
2024	Amount unknown at the time of writing this Report.	Amount unknown at the time of writing this Report. Note A

Note A – The 2024 to 2033 Capital Budget and Forecast includes the OCIF – Formula Based funding at approximately \$381K per year. The Township typically receives its allocation notice in December. The funding can be used for roads (paved and unpaved), sidewalks located on an existing road, and bridges and culverts. The Township has typically utilized this funding for the repaving of existing paved roads and/or rehabilitation of bridges/culverts.

Note B – The 2024 to 2033 Capital Budget and Forecast includes the Canada Community-Building Fund funding at approximately \$250K per year. The Township has not received its allocation notice under the Canada Community Building-Fund at the time of writing this Report. The Association of Municipalities of Ontario has recommended that the Township tentatively assume that it will receive the same amount received in 2023.

Aggregate Levy Revenue

On an annual basis, a letter and cheque is received from the Ontario Aggregate Resources Corporation which represents the payment of the Township's share of the licence fees collected from aggregate producers within the Township. The amount to be received in 2024 is based on 2023 aggregate production. Outlined below is a summary of the shipments in the Township from 2018 to 2022¹:

Year	Aggregate Shipments - Metric Tonnes
2018	4.2M
2019	4.2M
2020	4.6M
2021	4.6M
2022 - Preliminary	4.4M
Average	4.4M
2024 \$ per Tonne	\$0.12
2024 Estimated Amount	\$528K

The 2024 Capital Budget and Forecast includes an amount of approximately \$528K of the aggregate levy for the purpose of funding Public Works capital projects over the forecast period.

Capital Summary – Funding Sources by Year

The Capital Summary – Funding Sources by Year is included as Schedule D to Report FIN-2023-031.

¹ <http://www.toarc.com/research/statistics.html>

Capital Forecast

The Township's Capital Forecast is prepared taking into consideration the following:

- 2019 Development Charges Study
- 2019 Energy Conservation and Demand Management Plan
- 2015 Recreation and Parks Master Plan
- Master Fire Plan
- Equipment Replacement Schedule (Schedule C to Report FIN-2023-031)
- 2019 AM Plan
- 2021 Storm Water Management Facility Maintenance Inspections
- 2023 Ontario Structure Inspection Manual Report (Bridges and Culverts)
- 2023 Roads Management Plan

2024 Capital Budget and Forecast Summary

Below are the previous year capital programs:

- 2020 - \$5.4M
- 2021 – \$4.5M
- 2022 - \$4.5M
- 2023 –\$4.7M
- 2024 – Proposed - \$5.4M

The 2019 to 2033 Capital Plan Summaries including 2024 Capital Budget Sheets are included as Schedule A to Report FIN-2023-031. The Projects by Year for each department with total budgeted costs is included as Schedule B to Report FIN-2023-031.

Financial Implications

2024 Proposed Capital Budget Compared to the 2023 and 2022 Approved Capital Budget Funding Comparisons

The total capital projects and contributions to discretionary reserves from 2022 to 2024 (proposed) are outlined below:

- 2024 – Proposed Capital Budget - \$5.4M
- 2023 – Approved Capital Budget - \$4.7M
- 2022 – Approved Capital Budget - \$4.5M.

Schedule E to Report FIN-2023-031 provides this information in both chart and graphical format. The information on these pages includes the total capital including the funding sources for the 2022 to 2024 (proposed) capital programs.

2024 Proposed Ten Year Plan Compared to the 2023 and 2022 Ten Year Plans

The ten-year plan from 2022 to 2024 (proposed) are outlined below:

- 2024 – Proposed Ten-Year Plan - \$53M ten year total and \$5.3M yearly average
- 2023 –Ten-Year Plan - \$37M ten year total and \$3.7M yearly average
- 2022 – Ten Year Plan - \$38M ten year total and \$3.8M yearly average

Schedule F to Report FIN-2023-031 provides this information in both chart and graphical format.

Applicable Legislation and Requirements

Municipal Act, 2001

Engagement Opportunities

The Township will incorporate a number of engagement opportunities associated with the 2024 budget process as outlined below:

- Advisory Committee Budget Input
- Social Media Posts and/or Advertisements at [Facebook.ca/TownshipofPuslinch](https://www.facebook.com/TownshipofPuslinch) and [Twitter.com/TwpPuslinchON](https://twitter.com/TwpPuslinchON)
- Township Website Banner and Budget Page at puslinch.ca/government/budget/
- Community Engagement Survey at EngagePuslinch.ca
- Puslinch Today
- Public Information Meeting on January 17, 2024
- Media releases related to EngagePuslinch.ca survey and final budget highlights.
- Community Newsletter regarding final budget highlights which will be sent with the final tax bill in August 2024.

Attachments

Schedule A: 2019 to 2033 Capital Plan Summary including the 2024 Capital Budget Sheets

Schedule B: Projects by Year – 2019 to 2033

Schedule C – Equipment Replacement Schedule

Schedule D – Capital Summary – Funding Sources by Year

Schedule E - 2024 Proposed Capital Budget Compared to the 2023 and 2022 Approved Capital Budget Funding Comparisons

Schedule F – 2024 Proposed Ten Year Plan Compared to the 2023 and 2022 Ten Year Plans

Schedule G – Boreham Park GM BluePlan Memo dated October 16, 2023

Schedule H – Road Rehabilitation Analysis for Budget Consideration

Respectfully submitted:

Mary Hasan
Director of Finance/Treasurer

2019 Capital Carry-forward Plan Summary

Project Cost		Funding Type			
Service	Department	Capital Project	Classification	Discretionary_Reserves	Grand Total
General Government					
	Corporate				
		Service Delivery Review Implementation - Ontario	Study/Plan	\$290,615	\$290,615
		Municipal Modernization Funding			
Grand Total				\$290,615	\$290,615

2020 Capital Carry-forward Plan Summary

Project Cost		Capital Project	Classification	Funding Type		Grand Total
Service	Department			Discretionary_Reserves	Restricted_Reserves	
General Government						
	Corporate					
		Fibre Internet	Information Technology	\$9,000		\$9,000
	Finance					
		2024 Development Charges Background Study	Study/Plan		\$480	\$480
Parks and Recreation						
	ORC					
		Building Condition Assessment, Arc Flash Study, Infrared Scanning of Equipment	Study/Plan	\$5,000		\$5,000
	PCC					
		Building Condition Assessment, Arc Flash Study, Infrared Scanning of Equipment	Study/Plan	\$5,000		\$5,000
Public Works						
	Public Works					
		Kerr Crescent - Stormwater Management Facility	Asset Management	\$141,062		\$141,062
Grand Total				\$160,062	\$480	\$160,542

2021 Capital Carry-forward Plan Summary

Project Cost				Funding Type	
Service	Department	Capital Project	Classification	Grant	Grand Total
General Government					
	Municipal Office				
		Municipal Office HVAC Upgrades -	Asset Management	\$75,642	\$75,642
Grand Total				\$75,642	\$75,642

2022 Capital Carry-forward Plan Summary

Project Cost Service	Department	Capital Project	Classification	Funding Type			Grand Total	
				Grant	Discretionary_Re serves	Restricted_Reserves		
General Government								
	Corporate							
		County Road Diet through Aberfoyle Peer Review	Study/Plan		\$20,000		\$20,000	
		401 and Highway 6 Project Review of Hotspots	Study/Plan		\$5,000		\$5,000	
		Regionally Significant Economic Development Study Area Phase 1 (Employment)	Study/Plan	\$25,000	\$5,000		\$30,000	
	Municipal Office							
		Convert Lighting to LED and Install Motion Sensors	Asset Management		\$17,420		\$17,420	
		Municipal Office HVAC Upgrades	Asset Management		\$124,056		\$124,056	
		Accessible Washroom Upgrades	Asset Management		\$100,000		\$100,000	
		Power Distribution Equipment (feeders, panels, main disconnect switch)	Asset Management		\$6,000		\$6,000	
		Power Distribution Equipment (feeders, panels, main disconnect switch)	Asset Management		\$14,000		\$14,000	
		Window and Door Replacement Program and Air Curtain on Front Doors	Asset Management		\$100,000		\$100,000	
Parks and Recreation								
	Parks							
		Puslinch Community Centre Park Renovation and Upgrade	Asset Management	\$691,332		\$653,140	\$1,344,472	
Public Works								
	Public Works							
		Kerr Crescent - Stormwater Management Facility	Asset Management		\$408,938		\$408,938	
Grand Total					\$716,332	\$800,414	\$653,140	\$2,169,886

2023 Capital Plan Summary

Project Cost		Capital Project	Classification	Funding Type		Grand Total
Service	Department			Grant	Discretionary_R eserves	
Fire and Rescue						
	Fire and Rescue					
		Community Risk Assessment - Ontario Regulation 378/18	Study/Plan	\$10,000	\$15,000	\$25,000
General Government						
	Corporate					
		401 and Highway 6 Project Review of Hotspots	Study/Plan	\$10,000		\$10,000
		Gravel Extraction Study	Study/Plan	\$25,000		\$25,000
	Finance					
		2024 Development Charges Background Study	Study/Plan	\$741	\$6,672	\$7,413
		Parkland Dedication By-law Amendment	Study/Plan	\$20,086		\$20,086
		Community Improvement Plan Amendment and Financial Incentives	Study/Plan	\$25,000		\$25,000
Parks and Recreation						
	Parks					
		Parking Lot & Associated Enhancements (curbing, entrance, and additional lighting) at the front of the Puslinch Community Centre	Asset Management	\$45,342	\$221,378	\$266,720

2023 Capital Plan Summary

Project Cost		Capital Project	Classification	Funding Type			Grand Total
Service	Department			Grant	Discretionary_Reserves	Restricted_Reserves	
	PCC						
		Replacement of Ceiling Components	Asset Management			\$35,000	\$35,000
	Public Works						
	Public Works						
		Kerr Crescent - Stormwater Management Facility	Asset Management		\$50,000		\$50,000
		Puslinch Lake Pedestrian Access and Signage	New Asset			\$7,712	\$7,712
Grand Total				\$45,342	\$362,205	\$64,384	\$471,931

2024 Capital Plan Summary

Project Cost				Funding Type			Grand Total		
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves		Restricted_Reserves	Debt
Fire and Rescue									
	Fire and Rescue								
		Structural Firefighter Gear	Asset Management			\$17,766			\$17,766
		Wildland Firefighting Equipment	New Asset				\$12,500		\$12,500
General Government									
	Corporate								
		Asset Management	Reserve Contribution		\$949,075				\$949,075
		Corporate Information Technology	Reserve Contribution		\$15,000				\$15,000
		401 and Highway 6 Project Review of Hotspots	Study/Plan		\$10,000				\$10,000
		Compensation and Benefits Review	Study/Plan		\$20,000	\$5,000			\$25,000
		Computer Equipment	Information Technology			\$13,991			\$13,991
		Server Replacement	Information Technology			\$47,000			\$47,000
		Regionally Significant Economic Development Study Area Phase 1 (Employment)	Study/Plan		\$70,000				\$70,000
	Finance								
		2024 Development Charges Background Study	Study/Plan		\$2,100		\$18,900		\$21,000
		Asset Management Plan and Policy Updates	Study/Plan		\$10,000				\$10,000
		2024 Conservation and Demand Management Plan	Study/Plan		\$525	\$225	\$6,750		\$7,500
	Municipal Office								
		Municipal Administration and Operations Facility	Asset Management			\$0		\$0	\$0
		Gas Fired Infra-Red Heaters in Public Works Area	Asset Management			\$10,000			\$10,000

2024 Capital Plan Summary

Project Cost Service	Department	Capital Project	Classification	Funding Type			Restricted_Re serves	Debenture	Grand Total
				Grant	Levy	Discretionary_R eserves			
		Replacement of UV Pure Water Treatment System	Asset Management			\$20,000			\$20,000
Parks and Recreation									
	Parks								
		Recreation and Parks Master Plan	Study/Plan		\$25,000				\$25,000
		Pickup Truck - Trsfr from Public Works	Asset Management				\$0		\$0
		Parking Lot & Associated Enhancements (curbing, entrance, and additional lighting) at the front of the Puslinch Community Centre	Asset Management	\$25,500			\$124,500		\$150,000
	PCC								
		Replacement of UV Pure Water Treatment System	Asset Management				\$20,000		\$20,000
		Window and Door Replacement Program	Asset Management				\$140,000		\$140,000
Public Works									
	Public Works								
		Bridge and Culvert Inspections-2025	Study/Plan		\$7,500				\$7,500
		Gravel Roads Improvement	Reserve Contribution		\$320,800				\$320,800
		Watson Road South - County Road 37 (Arkeil Road) to Maltby Road East	Asset Management	\$380,951		\$944,121	\$497,928		\$1,823,000
		Gore Road - Valens Road to Concession 7	Asset Management			\$528,000	\$48,000		\$576,000
		Gore Road - Sideroad 20 South to Valens Road	Asset Management			\$849,312	\$133,688		\$983,000
		Pickup truck - 1/2 ton - Crew Cab - 07	New Asset		\$55,000				\$55,000
		Comprehensive Speed Limit Review for Township Roads with a Posted Speed Above 60 km/hr	Study/Plan		\$15,000				\$15,000

2024 Capital Plan Summary

Project Cost				Funding Type			Grand Total			
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_R eserves		Restricted_Re serves	Debenture	
		Maple Leaf Lane - County Road 46 to End	Asset Management			\$87,264	\$13,736		\$101,000	
Grand Total					\$406,451	\$1,500,000	\$2,522,679	\$1,016,002	\$0	\$5,445,132

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Department

Puslinch Fire & Rescue

1 - Project Title and Type (ie. minor repairs, major repairs, replacement, new equipment, studies, policies, plans etc.)

Project Title - Wildland Firefighting Equipment package
 Type - New Equipment

2 - Purpose of Expenditure (ie. identify links to any plans, policies, legislation, studies, etc.)

3 - Specific Location (ie. list facility names, stretches of Road from/to streets, etc.)

Puslinch Fire

4 - Project Description

Wildland / Grassfires are very demanding and dangerous fires. Grass Fires are very physically demanding. Wildland Fire Fighting equipment is smaller lighter and easily deployed. The Wildland package would include. 16 Lengths of 1 1/2" lightweight unlined forestry hose, 3 1 1/2 " gated wye, 3 1 1/2" forestry nozzles, 3 forestry shut off clamps and 4 Heavy Duty hose baggs.

5 - Capital Funding for 2024 Expenditures

Tax Levy	
Cash in Lieu of Parkland Asset Management	
Development Charges	12,500
Other (grants)	
Total Funding	12,500

Additional information related to DC's

Project # and Description in DC	
Year in DC Study	
% of DC Funding allowed in DC	
Service Area in DC	

6 - Capital Components, Costs, and Timing

Please list proposed capital spending by quarter for cash flow purposes

Project Components	2024					Future Phases ^{Note A}			
	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	2024	2025	2026	2027	2028
Purchase Equipment		12,500			12,500				

Note A: The Future Phases section is to identify the quantum of the total project cost only. Future Phases will not be automatically approved nor funded if this project is approved.

7 - Incremental Operating Budget Impact

	2024	Annualized	# FT Staff	# PT Staff
Incremental Revenues				
Incremental Salary and Benefits				
Incremental Non-Salary Costs				
Total Incr. Exp./ (Rev.)				

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Department

Corporate

1 - Project Title and Type (ie. minor repairs, major repairs, replacement, new equipment, studies, policies, plans etc.)

Project Title - Compensation and Benefits Review
 Type - Study

2 - Purpose of Expenditure (ie. identify links to any plans, policies, legislation, studies, etc.)

A Cost of Living Adjustment (COLA) is applied annually to the Township’s pay grid to ensure that compensation rates remain comparable to similar municipalities in the area. When a market review is undertaken to ensure wages are at an appropriate level, if regular incremental adjustments are not made, a significant adjustment will need to be made every 3-5 years which will have significant budgetary impacts at that time. Ensuring that the Township’s pay grid remains current is essential to ensure that it can retain its skilled and dedicated staff as long as possible and that when recruitment is necessary, that quality candidates can be attracted and brought on to the team.

3 - Specific Location (ie. list facility names, stretches of Road from/to streets, etc.)

Not applicable

4 - Project Description

ML Consulting (the Township’s previous consultant who completed the 2020 compensation and benefits review) outlined in a presentation dated January 15, 2020 to Council, that compensation studies should be completed on a cyclical basis every 3 to 5 years (ie. once during the term of Council) in order to mitigate large market adjustments to the salary grid in any one year to achieve competitive rates. The last compensation study adjusted rates effective January 1, 2020.

5 - Capital Funding for 2024 Expenditures

Tax Levy	20,000
Cash in Lieu of Parkland	
Building Surplus Reserve	5,000
Development Charges	
Other (grants)	
Total Funding	25,000

Additional information related to DC's	
Project # and Description in DC	
Year in DC Study	
% of DC Funding allowed in DC	
Service Area in DC	

6 - Capital Components, Costs, and Timing

Please list proposed capital spending by quarter for cash flow purposes

Project Components	2024					Future Phases Note A			
	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	2024	2025	2026	2027	2028
Compensation and Benefits Review	6,250	6,250	6,250	6,250	25,000				25,000
Note A: The Future Phases section is to identify the quantum of the total project cost only. Future Phases will not be automatically approved nor funded if this project is approved.									

7 - Incremental Operating Budget Impact

	2024	Annualized	# FT Staff	# PT Staff
Incremental Revenues				
Incremental Salary and Benefits				
Incremental Non-Salary Costs				
Total Incr. Exp./ (Rev.)				

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Department Finance

1 - Project Title and Type (ie. minor repairs, major repairs, replacement, new equipment, studies, policies, plans etc.)

Project Title - 2024 Conservation and Demand Management Plan
 Type - Plan

2 - Purpose of Expenditure (ie. identify links to any plans, policies, legislation, studies, etc.)

Ontario Regulation 507/18 of the Electricity Act requires that all municipalities develop and publish a Corporate Energy Conservation and Demand Management Plan (CEMP) every five years.

3 - Specific Location (ie. list facility names, stretches of Road from/to streets, etc.)

Not applicable

4 - Project Description

The Township is required to update its 2019 CEMP. The Township obtained assistance from the Local Authority Services to complete the 2019 CEMP for the Township and requires similar assistance for 2024.

5 - Capital Funding for 2024 Expenditures

Tax Levy	525
Cash in Lieu of Parkland	
Building Surplus Reserve	225
Development Charges	6,750
Other (grants)	
Total Funding	7,500

Additional information related to DC's

Project # and Description in DC	
Year in DC Study	
% of DC Funding allowed in DC	
Service Area in DC	

6 - Capital Components, Costs, and Timing

Please list proposed capital spending by quarter for cash flow purposes

Project Components	2024					Future Phases ^{Note A}			
	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	2024	2025	2026	2027	2028
LAS Assistance	1,875	1,875	1,875	1,875	7,500				

Note A: The Future Phases section is to identify the quantum of the total project cost only. Future Phases will not be automatically approved nor funded if this project is approved.

7 - Incremental Operating Budget Impact

	2024	Annualized	# FT Staff	# PT Staff
Incremental Revenues				
Incremental Salary and Benefits				
Incremental Non-Salary Costs				
Total Incr. Exp./ (Rev.)				

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Department

Public Works

1 - Project Title and Type (ie. minor repairs, major repairs, replacement, new equipment, studies, policies, plans etc.)

Project Title - Gas Fired Infra-Red Heaters in Public Works Shop
 Type - Replacement

2 - Purpose of Expenditure (ie. identify links to any plans, policies, legislation, studies, etc.)

To replace the existing gas heaters in the Public Works Garage. The current unit is nearing the end of its life cycle and is required to be replaced. This is consistent with the recommendations from the 2014 Building Condition Assessment report which indicates that replacement of the gas fired infra-red heaters in the public works area should be completed in 2024.

3 - Specific Location (ie. list facility names, stretches of Road from/to streets, etc.)

Public Works Shop at the Municipal Office.

4 - Project Description

See above.

5 - Capital Funding for 2024 Expenditures

Tax Levy	
Cash in Lieu of Parkland	
Asset Management	10,000
Development Charges	
Other (grants)	
Total Funding	10,000

Additional information related to DC's	
Project # and Description in DC	
Year in DC Study	
% of DC Funding allowed in DC	
Service Area in DC	

6 - Capital Components, Costs, and Timing

Please list proposed capital spending by quarter for cash flow purposes

Project Components	2024					Future Phases ^{Note A}			
	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	2024	2025	2026	2027	2028
Equipment Replacement				10,000	10,000				

Note A: The Future Phases section is to identify the quantum of the total project cost only. Future Phases will not be automatically approved nor funded if this project is approved.

7 - Incremental Operating Budget Impact

	2024	Annualized	# FT Staff	# PT Staff
Incremental Revenues				
Incremental Salary and Benefits				
Incremental Non-Salary Costs				
Total Incr. Exp./ (Rev.)				

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Department

Municipal Office

1 - Project Title and Type (ie. minor repairs, major repairs, replacement, new equipment, studies, policies, plans etc.)

Project Title - Replacement of the UV Pure Water Treatment System at the Municipal Office
 Type - Replacement

2 - Purpose of Expenditure (ie. identify links to any plans, policies, legislation, studies, etc.)

The current unit is nearing the end of its life cycle and is required to be replaced. This unit is require by the Ministry of Environment for safe drinking water. This is consistent with the recommendations from the 2014 Building Condition Assessment report which indicates that the water treatment equipment is in good/fair condition and is anticipated for replacement in 2024.

3 - Specific Location (ie. list facility names, stretches of Road from/to streets, etc.)

Municipal Office

4 - Project Description

See above.

5 - Capital Funding for 2024 Expenditures

Tax Levy	
Cash in Lieu of Parkland	
Asset Management	14,000
Building Surplus Reserve	6,000
Other (grants)	
Total Funding	20,000

Additional information related to DC's	
Project # and Description in DC	
Year in DC Study	
% of DC Funding allowed in DC	
Service Area in DC	

6 - Capital Components, Costs, and Timing

Please list proposed capital spending by quarter for cash flow purposes

Project Components	2024					Future Phases ^{Note A}			
	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	2024	2025	2026	2027	2028
Replace Equipment				20,000	20,000				

Note A: The Future Phases section is to identify the quantum of the total project cost only. Future Phases will not be automatically approved nor funded if this project is approved.

7 - Incremental Operating Budget Impact

	2024	Annualized	# FT Staff	# PT Staff
Incremental Revenues				
Incremental Salary and Benefits				
Incremental Non-Salary Costs				
Total Incr. Exp./ (Rev.)				

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Department Puslinch Community Centre

1 - Project Title and Type (ie. minor repairs, major repairs, replacement, new equipment, studies, policies, plans etc.)

Project Title - Replacement of the UV Pure Water Treatment System at the Puslinch Community Centre
 Type - Replacement

2 - Purpose of Expenditure (ie. identify links to any plans, policies, legislation, studies, etc.)

The current unit is nearing the end of its life cycle and is required to be replaced. This unit is require by the Ministry of Environment for safe drinking water. This is consistent with the recommendations from the 2014 Building Condition Assessment report which indicates that the water treatment equipment is in good/fair condition and is anticipated for replacement in 2024.

3 - Specific Location (ie. list facility names, stretches of Road from/to streets, etc.)

Puslinch Community Centre

4 - Project Description

See above.

5 - Capital Funding for 2024 Expenditures

Tax Levy	
Cash in Lieu of Parkland	20,000
Asset Management	
Development Charges	
Other (grants)	
Total Funding	20,000

Additional information related to DC's	
Project # and Description in DC	
Year in DC Study	
% of DC Funding allowed in DC	
Service Area in DC	

6 - Capital Components, Costs, and Timing

Please list proposed capital spending by quarter for cash flow purposes

Project Components	2024					Future Phases ^{Note A}			
	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	2024	2025	2026	2027	2028
Replace Equipment				20,000	20,000				

Note A: The Future Phases section is to identify the quantum of the total project cost only. Future Phases will not be automatically approved nor funded if this project is approved.

7 - Incremental Operating Budget Impact

	2024	Annualized	# FT Staff	# PT Staff
Incremental Revenues				
Incremental Salary and Benefits				
Incremental Non-Salary Costs				
Total Incr. Exp./ (Rev.)				

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Department	Facilities
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1 - Project Title and Type (ie. minor repairs, major repairs, replacement, new equipment, studies, policies, plans etc.)

Project Title - Puslinch Community Centre Window and Door Replacement Program
 Type - Replacement

2 - Purpose of Expenditure (ie. identify links to any plans, policies, legislation, studies, etc.)

To replace all exterior windows and doors at the PCC except for the main front doors. This is consistent with the recommendations from the 2014 Building Condition Assessment report which indicates that the exterior windows and doors are in fair condition and will reach the end of their life expectancy within the next 15 years

3 - Specific Location (ie. list facility names, stretches of Road from/to streets, etc.)

Exterior windows and doors at the PCC with the exception of the main front doors.

4 - Project Description

See above.

5 - Capital Funding for 2024 Expenditures

Tax Levy	
Cash in Lieu of Parkland	140,000
Asset Management	
Development Charges	
Other (grants)	
Total Funding	140,000

Additional information related to DC's	
Project # and Description in DC	
Year in DC Study	
% of DC Funding allowed in DC	
Service Area in DC	

6 - Capital Components, Costs, and Timing

Please list proposed capital spending by quarter for cash flow purposes

Project Components	2024				Future Phases ^{Note A}				
	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	2024	2025	2026	2027	2028
Window and Door Replacement			140,000		140,000				

Note A: The Future Phases section is to identify the quantum of the total project cost only. Future Phases will not be automatically approved nor funded if this project is approved.

7 - Incremental Operating Budget Impact

	2024	Annualized	# FT Staff	# PT Staff
Incremental Revenues				
Incremental Salary and Benefits				
Incremental Non-Salary Costs				
Total Incr. Exp./ (Rev.)				

2025 Capital Plan Summary

Project Cost			Funding Type				Grand Total
Service	Department Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	
Fire and Rescue							
	Fire and Rescue						
	Fire Master Plan	Study/Plan		\$30,000			\$30,000
	Structural Firefighter Gear	Asset Management			\$17,766		\$17,766
	Defibrillators Fire & Rescue Service Trucks	Asset Management			\$15,000		\$15,000
	Defibrillators - Municipal Buildings	Asset Management			\$4,500		\$4,500
	Pump 31 Truck	Asset Management	\$20,000		\$930,000		\$950,000
General Government							
	Corporate						
	Asset Management	Reserve Contribution		\$1,155,700			\$1,155,700
	Corporate Information Technology	Reserve Contribution		\$15,000			\$15,000
	Computer Equipment	Information Technology			\$21,932		\$21,932
	Tablets - Building, Fire and Health & Safety	Information Technology			\$7,000		\$7,000
	Regionally Significant Economic Development Study Area Phase 2 (Residential)	Study/Plan	\$25,000	\$35,000			\$60,000
Parks and Recreation							
	ORC						
	Rinkboard Replacement (Interior and Exterior)	Asset Management				\$200,000	\$200,000
	Parks						
	Recreation and Parks Master Plan	Study/Plan		\$25,000			\$25,000
	PCC						
	Emergency Generator	Asset Management				\$170,000	\$170,000
	Bar Counter, Bar Door, Cosmetic Upgrades	Asset Management	\$10,000			\$90,000	\$100,000
	Electronic Sign Replacement	Asset Management	\$37,500				\$37,500

2025 Capital Plan Summary

Project Cost			Funding Type				Grand Total
Service	Department Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	
Public Works							
	Public Works						
	Bridge and Culvert Inspections-2025	Study/Plan		\$7,500			\$7,500
	Storm Sewer Inspections and Cleaning	Study/Plan		\$10,000			\$10,000
	Street Lights - Pole and Arm Inspections	Study/Plan		\$20,000			\$20,000
	Gravel Roads Improvement	Reserve Contribution		\$370,800			\$370,800
	Storm Water Management Pond Inspections	Study/Plan		\$5,000			\$5,000
	Puslinch-Flamborough Townline - Leslie Road West to Township Limits	Asset Management			\$98,496	\$15,504	\$114,000
	Concession 1 - Leslie Road West to Highway 6	Asset Management			\$178,848	\$28,152	\$207,000
	Concession 1/Leslie Rd W - Concession 7 to Highway 6	Asset Management	\$380,951		\$135,417	\$370,632	\$887,000
	Daymond Drive - Stormwater Management Facility	Asset Management			\$300,000		\$300,000
	Aberfoyle Business Park Block 6 - Stormwater Management Facility	Asset Management			\$200,000		\$200,000
	Leslie Road West - Victoria Road South to Watson Road South	Asset Management			\$656,640	\$103,360	\$760,000
	Comprehensive Speed Limit Review for Township Roads with a Posted Speed Above 60 km/hr	Study/Plan		\$15,000			\$15,000
	Winer Road - McLean Road to Nicholas Beaver Road	Asset Management			\$336,096	\$52,904	\$389,000
	Mason Road - Concession 7 to End	Asset Management			\$72,576	\$11,424	\$84,000
	Nicholas Beaver Road - Winer Road to Brock Road South	Asset Management			\$408,672	\$64,328	\$473,000
	Grand Total		\$473,451	\$1,689,000	\$3,382,943	\$1,106,304	\$6,651,698

2026 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_R eserves	Restricted_R eserves	Grand Total
Fire and Rescue								
	Fire and Rescue							
		Fire Master Plan	Study/Plan		\$30,000			\$30,000
		Structural Firefighter Gear	Asset Management			\$11,844		\$11,844
		Portable Pumps	Asset Management			\$15,000		\$15,000
General Government								
	Corporate							
		Website Redesign	Information Technology	\$25,000				\$25,000
		Asset Management	Reserve Contribution		\$1,258,700			\$1,258,700
		Corporate Information Technology	Reserve Contribution		\$15,000			\$15,000
		Computer Equipment	Information Technology			\$9,980		\$9,980
		Computer Equipment - New Term of Council	Information Technology			\$9,540		\$9,540
Parks and Recreation								
	Parks							
		Pickup Truck - Trsfr from Public Works	Asset Management	\$6,000			\$0	\$6,000
		Light Poles Replacement at the Puslinch Community Centre Grounds	Asset Management				\$5,200	\$5,200
		Fencing Replacement at the Badenoch Soccer Field (East Side)	Asset Management				\$14,934	\$14,934
Public Works								
	Public Works							
		Bridge and Culvert Inspections-2027	Study/Plan		\$7,500			\$7,500
		Gravel Roads Improvement	Reserve Contribution		\$420,800			\$420,800

2027 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_ Reserves	Restricted_ Reserves	Grand Total
Building								
	Building	SUV	Asset Management			\$18,012		\$18,012
Fire and Rescue								
	Fire and Rescue	Structural Firefighter Gear	Asset Management			\$14,805		\$14,805
		Pickup Truck - Mid-Size	Asset Management			\$0		\$0
		Pickup Truck - Mid-Size	Asset Management	\$3,000				\$3,000
		Washer/Extractor	Asset Management			\$10,000		\$10,000
		Gear Dryer	Asset Management			\$6,000		\$6,000
		Thermal Imaging Camera	Asset Management			\$6,000		\$6,000
General Government								
	Corporate	Community Based Strategic Plan	Study/Plan	\$25,000	\$5,000			\$30,000
		Asset Management	Reserve Contribution		\$1,290,700			\$1,290,700
		Corporate Information Technology	Reserve Contribution		\$15,000			\$15,000
		Computer Equipment	Information Technology			\$7,916		\$7,916
Parks and Recreation								
	Parks	Pickup Truck - Trsf from Public Works	Asset Management	\$6,000			\$0	\$6,000

2027 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_ Reserves	Restricted_ Reserves	Grand Total
	PCC							
		Rebalancing of HVAC system	Asset Management				\$5,000	\$5,000
	Public Works							
	Public Works							
		Bridge and Culvert Inspections-2027	Study/Plan		\$7,500			\$7,500
		Gravel Roads Improvement	Reserve Contribution		\$470,800			\$470,800
		Leslie Road West Culvert	Asset Management			\$95,040	\$14,960	\$110,000
		Cooks Bridge	Asset Management			\$648,000	\$102,000	\$750,000
		Tandem Dump Truck - 304	Asset Management	\$25,000		\$375,000		\$400,000
		Victoria Road South - County Road 34 to Maltby Road East	Asset Management	\$380,951		\$254,649	\$389,400	\$1,025,000
		Cooks Mill Road - Bridge to County Road 41	Asset Management			\$142,560	\$22,440	\$165,000
		Pickup truck - 1/2 ton - Crew Cab - 07	New Asset			\$55,000		\$55,000
		Bridle Path - Bridle Path Split to Brock Road South	Asset Management			\$190,944		\$190,944
		Bridle Path - Bridle Path Split to Brock Road South	Asset Management				\$30,056	\$30,056
		Bridle Path	Asset Management			\$476,928	\$75,072	\$552,000
	By-law							
	By-law							
		SUV	Asset Management			\$17,988		\$17,988
Grand Total				\$439,951	\$1,789,000	\$2,318,842	\$638,928	\$5,186,721

2028 Capital Plan Summary

Project Cost				Funding Type		Discretionary_Reserves	Restricted_Reserves	Grand Total
Service	Department	Capital Project	Classification	Grant	Levy			
Building								
	Building							
		Septic Reinspections	Study/Plan	\$16,526				\$16,526
Fire and Rescue								
	Fire and Rescue							
		Structural Firefighter Gear	Asset Management			\$8,883		\$8,883
		Aerial 33 Truck	Asset Management			\$1,490,000		\$1,490,000
		Aerial 33 Truck	Asset Management	\$10,000				\$10,000
General Government								
	Corporate							
		Asset Management	Reserve Contribution		\$963,044			\$963,044
		Corporate Information Technology	Reserve Contribution		\$15,000			\$15,000
		Compensation and Benefits Review	Study/Plan		\$20,000	\$5,000		\$25,000
		Computer Equipment	Information Technology			\$9,980		\$9,980
	Municipal Office							
		Emergency Generator	Asset Management			\$170,000		\$170,000
		Replacement of metal roofing panels	Asset Management			\$125,000		\$125,000
		Roads Storage Building Roof Rehabilitation	Asset Management			\$15,000		\$15,000
		Municipal Complex: Parking Lot	Asset Management			\$162,750		\$162,750
Parks and Recreation								
	Parks							
		Replacement of metal roofing panels in Blue Storage Building Behind PCC	Asset Management				\$30,000	\$30,000
		Kabota Lawnmower	Asset Management	\$4,933			\$25,067	\$30,000

2028 Capital Plan Summary

Project Cost				Funding Type				Grand Total
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	
		Gravel Road Rehabilitation at Old Morriston Park	Asset Management				\$7,740	\$7,740
	PCC							
		Replacement of metal roofing panels	Asset Management				\$100,000	\$100,000
	Public Works							
	Public Works							
		Traffic Count Study	Study/Plan		\$30,000			\$30,000
		Traffic Calming - Streetscaping Morriston - New Asset Phase 2		\$25,000	\$61,400		\$13,600	\$100,000
		Bridge and Culvert Inspections-2029	Study/Plan		\$7,500			\$7,500
		Gravel Roads Improvement	Reserve Contribution		\$520,800			\$520,800
		Roads Condition Index Updates	Study/Plan		\$40,000			\$40,000
		Storm Water Management Pond Inspections	Study/Plan		\$5,000			\$5,000
		Roadside Safety Allowances - Bridges and Culverts	New Asset		\$176,256		\$27,744	\$204,000
		Gore Road - Concession 7 to Lennon Road	Asset Management			\$312,768	\$49,232	\$362,000
		Concession 4 - County Road 35 to Sideroad 20 North	Asset Management	\$380,951		\$42,969	\$356,080	\$780,000
		Concession 1 - Sideroad 10 South to County Road 35	Asset Management			\$673,920	\$106,080	\$780,000
		Tandem Roll-Off Dump Truck- 302	Asset Management			\$375,000		\$375,000
		Tandem Roll-Off Dump Truck- 302	Asset Management	\$25,000				\$25,000
		Gore Road - County Road 35 to Foreman Road	Asset Management			\$673,920	\$106,080	\$780,000
Grand Total				\$462,410	\$1,839,000	\$4,065,190	\$821,623	\$7,188,223

2029 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Re serves	Restricted_Res erves	Grand Total
Fire and Rescue								
	Fire and Rescue							
		Structural Firefighter Gear	Asset Management			\$14,805		\$14,805
		Thermal Imaging Camera	Asset Management			\$6,000		\$6,000
General Government								
	Corporate							
		Asset Management	Reserve Contribution		\$1,245,450			\$1,245,450
		Corporate Information Technology	Reserve Contribution		\$15,000			\$15,000
		Computer Equipment	Information Technology			\$13,991		\$13,991
		Server Replacement	Information Technology			\$47,000		\$47,000
	Finance							
		Asset Management Plan and Policy Updates	Study/Plan		\$10,000			\$10,000
		2029 Conservation and Demand Management Plan	Study/Plan		\$5,250	\$2,250		\$7,500
	Municipal Office							
		Building Condition Assessment, Arc Flash Study, Infra-red Scanning of Equipment	Study/Plan		\$20,000			\$20,000
		Exterior wall rehabilitation	Asset Management			\$25,000		\$25,000
		Replacement of furnaces - Fire area	Asset Management			\$20,000		\$20,000
		Replacement of fire alarm system (fire extinguishers, panels, bells, pullstations, heat & smoke detectors)	Asset Management			\$15,000		\$15,000
Parks and Recreation								
	ORC							
		Building Condition Assessment, Arc Flash Study, Infra-red Scanning of Equipment	Study/Plan		\$7,500			\$7,500
		Floor Scrubber	Asset Management				\$15,000	\$15,000

2030 Capital Plan Summary

Project Cost				Funding Type	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
Service	Department	Capital Project	Classification						
Fire and Rescue									
	Fire and Rescue								
		Structural Firefighter Gear	Asset Management				\$5,922		\$5,922
		Tanker 37 Truck	Asset Management	\$20,000			\$730,000		\$750,000
General Government									
	Corporate								
		Asset Management	Reserve Contribution			\$1,265,700			\$1,265,700
		Corporate Information Technology	Reserve Contribution			\$15,000			\$15,000
		Computer Equipment	Information Technology				\$21,932		\$21,932
		Computer Equipment - New Term of Council	Information Technology				\$9,540		\$9,540
		Tablets - Building, Fire and Health & Safety	Information Technology				\$7,000		\$7,000
Public Works									
	Public Works								
		Storm Sewer Inspections and Cleaning	Study/Plan			\$10,000			\$10,000
		Street Lights - Pole and Arm Inspections	Study/Plan			\$20,000			\$20,000
		Gravel Roads Improvement	Reserve Contribution			\$620,800			\$620,800
		Bridge and Culvert Inspections-2031	Study/Plan			\$7,500			\$7,500
		Sideroad 10 North - Forestell Road to Laird Road West	Asset Management				\$338,688	\$53,312	\$392,000
		Victoria Street And Church Street - Calfass Road to Queen Street (Highway 6)	Asset Management				\$120,960	\$19,040	\$140,000
		Deer View Ridge - Hammersley Drive to Fox Run Drive	Asset Management				\$284,256	\$44,744	\$329,000
		Ellis Road Culvert Over Puslinch Lake Irish Creek	Asset Management				\$604,800	\$95,200	\$700,000
		Fox Run Drive - Deer View Ridge to Fox Run Drive transition to curb	Asset Management				\$177,984	\$28,016	\$206,000
		Fox Run Drive to Fox Run Drive	Asset Management				\$278,208	\$43,792	\$322,000
		Laird Road West - End to Country Road 32	Asset Management				\$139,968	\$22,032	\$162,000

2030 Capital Plan Summary

Project Cost				Funding Type	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
Service	Department	Capital Project	Classification						
		Old Brock Road - Cockburn Street to End	Asset Management				\$38,016	\$5,984	\$44,000
		Fox Run Drive - Fox Run Drive transition to median to Fox Run Drive transition to curb	Asset Management				\$85,536	\$13,464	\$99,000
		Fox Run Drive - Brock Road North to Fox Run Drive transition to median	Asset Management				\$69,120	\$10,880	\$80,000
		Ellis Road - County Road 32 to 6725 Ellis Road	Asset Management	\$380,951				\$323,049	\$704,000
Grand Total					\$400,951	\$1,939,000	\$2,911,930	\$659,513	\$5,911,394

2031 Capital Plan Summary

Project Cost Service	Department	Capital Project	Classification	Funding Type		Discretionary_ Reserves	Restricted_Reserves	Grand Total
				Grant	Levy			
Fire and Rescue								
	Fire and Rescue							
		Structural Firefighter Gear	Asset Management			\$11,844		\$11,844
General Government								
	Corporate							
		Website Redesign	Information Technology	\$25,000				\$25,000
		Asset Management	Reserve Contribution		\$1,290,700			\$1,290,700
		Corporate Information Technology	Reserve Contribution		\$15,000			\$15,000
		Computer Equipment	Information Technology			\$9,980		\$9,980
Parks and Recreation								
	ORC							
		Drinking Fountain	Asset Management				\$5,000	\$5,000
	Parks							
		Pickup Truck - Trsfr from Public Works	Asset Management	\$6,000			\$0	\$6,000
Public Works								
	Public Works							
		Gravel Roads Improvement	Reserve Contribution		\$670,800			\$670,800
		Bridge and Culvert Inspections-2031	Study/Plan		\$7,500			\$7,500
		Storm Water Management Pond Inspections	Study/Plan		\$5,000			\$5,000
		Pickup truck - 3/4 ton - Single Cab	Asset Management			\$42,000		\$42,000
		Gilmour Road - County Road 46 (Brock Road) to Subdivision Entrance	Asset Management			\$81,216	\$12,784	\$94,000
		Smith Road - Concession 7 to County Road 34	Asset Management			\$108,864	\$17,136	\$126,000
		Boreham Drive - County Road 37 (Arkeil Road) to County Road 41 (Watson Road South)	Asset Management			\$189,216	\$29,784	\$219,000

2031 Capital Plan Summary

Project Cost Service	Department	Capital Project	Classification	Funding Type		Discretionary_ Reserves	Restricted_Reserves	Grand Total
				Grant	Levy			
		Hume Road - Nassagaweya-Puslinch Townline to Watson Road South	Asset Management	\$380,951		\$132,825	\$370,224	\$884,000
		Settler's Road - Calfass Road to Telfer Glen	Asset Management			\$104,544	\$16,456	\$121,000
		Tandem Dump Truck	Asset Management	\$25,000		\$375,000		\$400,000
		Back Street - Main Street to Badenoch Street East	Asset Management			\$113,184	\$17,816	\$131,000
Grand Total				\$436,951	\$1,989,000	\$1,168,673	\$469,200	\$4,063,824

2032 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Re serves	Restricted_ Reserves	Grand Total
Building								
	Building							
		SUV	Asset Management			\$18,012		\$18,012
Fire and Rescue								
	Fire and Rescue							
		Structural Firefighter Gear	Asset Management			\$8,883		\$8,883
		Pickup Truck - Mid-Size	Asset Management	\$3,000		\$0		\$3,000
		Pumper 32 Truck	Asset Management	\$10,000		\$290,000		\$300,000
		Tanker 38 Truck	Asset Management	\$20,000		\$730,000		\$750,000
General Government								
	Corporate							
		Asset Management	Reserve Contribution		\$1,275,700			\$1,275,700
		Corporate Information Technology	Reserve Contribution		\$15,000			\$15,000
		Compensation and Benefits Review	Study/Plan		\$20,000	\$5,000		\$25,000
		Computer Equipment	Information Technology			\$7,916		\$7,916
Parks and Recreation								
	Parks							
		Pickup Truck - Trsfr from Public Works	Asset Management	\$6,000			\$0	\$6,000
Public Works								
	Public Works							
		Gravel Roads Improvement	Reserve Contribution		\$720,800			\$720,800

2032 Capital Plan Summary

Project Cost				Funding Type					
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_ Re serves	Restricted_ Reserves	Grand Total	
		Bridge and Culvert Inspections-2033	Study/Plan		\$7,500			\$7,500	
		Beiber Road - Nicholas Beaver Road to private property	Asset Management			\$72,576	\$11,424	\$84,000	
		Pickup truck - 1/2 ton - Crew Cab - 07	New Asset			\$55,000		\$55,000	
		Backhoe - 06	Asset Management	\$53,700		\$101,300		\$155,000	
		Telfer Glen - Queen Street (Highway 6) to End	Asset Management	\$298,080			\$46,920	\$345,000	
		Main Street - Badenoch Street East to Morriston Ball Park	Asset Management			\$83,808	\$13,192	\$97,000	
		Watson Road South - bridge to bridge	Asset Management				\$273,000	\$273,000	
		Daymond Drive - County Road 46 to End	Asset Management			\$189,216	\$29,784	\$219,000	
By-law									
	By-law								
		SUV	Asset Management			\$17,988		\$17,988	
Grand Total					\$390,780	\$2,039,000	\$1,579,699	\$374,320	\$4,383,799

2033 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Re serves	Restricted_ Reserves	Grand Total
Building								
	Building							
		Septic Reinspections	Study/Plan	\$16,526				\$16,526
Fire and Rescue								
	Fire and Rescue							
		Structural Firefighter Gear	Asset Management			\$14,805		\$14,805
		Defibrillators Fire & Rescue Service Trucks	Asset Management			\$15,000		\$15,000
		Defibrillators - Municipal Buildings	Asset Management			\$4,500		\$4,500
General Government								
	Corporate							
		Asset Management	Reserve Contribution		\$1,295,700			\$1,295,700
		Corporate Information Technology	Reserve Contribution		\$15,000			\$15,000
		Computer Equipment	Information Technology			\$9,980		\$9,980
Parks and Recreation								
	Parks							
		Kubota Lawn Tractor	New Asset	\$4,933			\$18,910	\$23,843
	PCC							
		Replacement of Sanitary Pumps and Control System	Asset Management				\$5,000	\$5,000
Public Works								
	Public Works							
		Gravel Roads Improvement	Reserve Contribution		\$770,800			\$770,800
		Bridge and Culvert Inspections-2033	Study/Plan		\$7,500			\$7,500

Projects by Year

Project Cost	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Building															
Septic Reinspections										\$16,526					\$16,526
SUV									\$18,012					\$18,012	
Building Total									\$18,012	\$16,526				\$18,012	\$16,526

Projects by Year

Project Cost	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Fire and Rescue															
Fire Master Plan							\$30,000	\$30,000							
Structural Firefighter Gear						\$17,766	\$17,766	\$11,844	\$14,805	\$8,883	\$14,805	\$5,922	\$11,844	\$8,883	\$14,805
Community Risk Assessment - Ontario Regulation 378/18					\$25,000										
Pickup Truck - Mid-Size									\$0					\$3,000	
Pickup Truck - Mid-Size									\$3,000						
Defibrillators Fire & Rescue Service Trucks							\$15,000								\$15,000
Defibrillators - Municipal Buildings							\$4,500								\$4,500
Pump 31 Truck							\$950,000								
Portable Pumps								\$15,000							
Washer/Extractor									\$10,000						
Gear Dryer									\$6,000						
Thermal Imaging Camera									\$6,000		\$6,000				
Aerial 33 Truck										\$1,490,000					
Aerial 33 Truck										\$10,000					
Tanker 37 Truck												\$750,000			
Pumper 32 Truck														\$300,000	
Tanker 38 Truck														\$750,000	
Wildland Firefighting Equipment						\$12,500									
Fire and Rescue Total					\$25,000	\$30,266	\$1,017,266	\$56,844	\$39,805	\$1,508,883	\$20,805	\$755,922	\$11,844	\$1,061,883	\$34,305

Projects by Year

Project Cost	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Corporate															
Community Based Strategic Plan									\$30,000						
Website Redesign								\$25,000					\$25,000		
Asset Management						\$949,075	\$1,155,700	\$1,258,700	\$1,290,700	\$963,044	\$1,245,450	\$1,265,700	\$1,290,700	\$1,275,700	\$1,295,700
Corporate Information Technology						\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Service Delivery Review Implementation - Ontario Municipal Modernization Funding	\$290,615														
Fibre Internet		\$9,000													
County Road Diet through Aberfoyle Peer Review				\$20,000											
401 and Highway 6 Project Review of Hotspots				\$5,000	\$10,000	\$10,000									
Compensation and Benefits Review						\$25,000				\$25,000				\$25,000	
Computer Equipment						\$13,991	\$21,932	\$9,980	\$7,916	\$9,980	\$13,991	\$21,932	\$9,980	\$7,916	\$9,980
Computer Equipment - New Term of Council								\$9,540				\$9,540			
Server Replacement						\$47,000					\$47,000				
Gravel Extraction Study					\$25,000										
Tablets - Building, Fire and Health & Safety							\$7,000					\$7,000			
Regionally Significant Economic Development Study Area Phase 1 (Employment)				\$30,000		\$70,000									
Regionally Significant Economic Development Study Area Phase 2 (Residential)							\$60,000								
Corporate Total	\$290,615	\$9,000		\$55,000	\$35,000	\$1,130,066	\$1,259,632	\$1,318,220	\$1,343,616	\$1,013,024	\$1,321,441	\$1,319,172	\$1,340,680	\$1,323,616	\$1,320,680

Projects by Year

Project Cost		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Finance																
	2024 Development Charges Background Study		\$480			\$7,413	\$21,000									
	Asset Management Plan and Policy Updates						\$10,000					\$10,000				
	Parkland Dedication By-law Amendment					\$20,086										
	Community Improvement Plan Amendment and Financial Incentives					\$25,000										
	2024 Conservation and Demand Management Plan						\$7,500									
	2029 Conservation and Demand Management Plan											\$7,500				
Finance Total			\$480			\$52,500	\$38,500					\$17,500				

Projects by Year

Project Cost	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Municipal Office															
Building Condition Assessment, Arc Flash Study, Infra-red Scanning of Equipment											\$20,000				
Convert Lighting to LED and Install Motion Sensors				\$17,420											
Emergency Generator										\$170,000					
Municipal Administration and Operations Facility						\$0									
Municipal Office HVAC Upgrades -			\$75,642												
Municipal Office HVAC Upgrades				\$124,056											
Accessible Washroom Upgrades				\$100,000											
Power Distribution Equipment (feeders, panels, main disconnect switch)				\$6,000											
Power Distribution Equipment (feeders, panels, main disconnect switch)				\$14,000											
Gas Fired Infra-Red Heaters in Public Works Area						\$10,000									
Replacement of UV Pure Water Treatment System						\$20,000									
Window and Door Replacement Program and Air Curtain on Front Doors				\$100,000											
Replacement of metal roofing panels										\$125,000					
Roads Storage Building Roof Rehabilitation										\$15,000					
Municipal Complex: Parking Lot										\$162,750					
Exterior wall rehabilitation											\$25,000				
Replacement of furnaces - Fire area											\$20,000				

Projects by Year

Project Cost		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
ORC																
	Building Condition Assessment, Arc Flash Study, Infra-red Scanning of Equipment		\$5,000									\$7,500				
	Rinkboard Replacement (Interior and Exterior)							\$200,000								
	Drinking Fountain													\$5,000		
	Floor Scrubber											\$15,000				
ORC Total			\$5,000					\$200,000				\$22,500		\$5,000		

Projects by Year

Project Cost	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Parks															
Recreation and Parks Master Plan						\$25,000	\$25,000								
Puslinch Community Centre Park Renovation and Upgrade				\$1,344,472											
Pickup Truck - Trsfr from Public Works						\$0		\$6,000	\$6,000				\$6,000	\$6,000	
Parking Lot & Associated Enhancements (curbing, entrance, and additional lighting) at the front of the Puslinch Community Centre					\$266,720	\$150,000									
Landscape Trailer											\$10,000				
Light Poles Replacement at the Puslinch Community Centre Grounds								\$5,200							
Fencing Replacement at the Badenoch Soccer Field (East Side)								\$14,934							
Replacement of metal roofing panels in Blue Storage Building Behind PCC										\$30,000					
Kabota Lawnmower										\$30,000					
Gravel Road Rehabilitation at Old Morriston Park										\$7,740					
Kubota Lawn Tractor															\$23,843
Parks Total				\$1,344,472	\$266,720	\$175,000	\$25,000	\$26,134	\$6,000	\$67,740	\$10,000		\$6,000	\$6,000	\$23,843

Projects by Year

Project Cost		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
PCC																
	Building Condition Assessment, Arc Flash Study, Infra-red Scanning of Equipment		\$5,000									\$7,500				
	Emergency Generator							\$170,000								
	Bar Counter, Bar Door, Cosmetic Upgrades							\$100,000								
	Replacement of Ceiling Components					\$35,000										
	Replacement of UV Pure Water Treatment System						\$20,000									
	Replacement of metal roofing panels										\$100,000					
	Exterior wall rehabilitation											\$35,000				
	Replacement of fire alarm system (fire extinguishers, panels, bells, pullstations, heat & smoke detectors)											\$5,000				
	Replacement of Sanitary Pumps and Control System															\$5,000
	Rebalancing of HVAC system									\$5,000						
	Window and Door Replacement Program						\$140,000									
	Electronic Sign Replacement							\$37,500								
PCC Total			\$5,000			\$35,000	\$160,000	\$307,500		\$5,000	\$100,000	\$47,500				\$5,000

Projects by Year

Project Cost	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Public Works Gilmour Road - County Road 46 (Brock Road) to Subdivision Entrance													\$94,000		
Smith Road - Concession 7 to County Road 34													\$126,000		
Deer View Ridge - Hammersley Drive to Fox Run Drive												\$329,000			
Carroll Pond & Lesic Jassal Municipal Drain - Sediment Survey								\$7,000							
Cooks Bridge									\$750,000						
Victoria Road Culvert Over Galt Creek															\$170,000
Victoria Road Culvert North of Leslie															\$200,000
Ellis Road Culvert Over Puslinch Lake Irish Creek												\$700,000			
Concession 2 Culvert								\$160,000							
Fox Run Drive - Deer View Ridge to Fox Run Drive transition to curb												\$206,000			
Fox Run Drive to Fox Run Drive												\$322,000			
Tandem Dump Truck - 304									\$400,000						
Concession 1 - Transition to Transition											\$797,000				
Beiber Road - Nicholas Beaver Road to private property														\$84,000	
Victoria Road South - County Road 34 to Maltby Road East									\$1,025,000						
Boreham Drive - County Road 37 (Arkell Road) to County Road 41 (Watson Road South)													\$219,000		

Projects by Year

Project Cost	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Public Works Hume Road - Nassagaweya-Puslinch Townline to Watson Road South													\$884,000		
Tandem Roll-Off Dump Truck- 302										\$375,000					
Tandem Roll-Off Dump Truck- 302										\$25,000					
Tandem Dump Truck- 301											\$400,000				
Victoria Road South - Leslie Road West to County Road 36															\$842,000
Cooks Mill Road - Bridge to County Road 41									\$165,000						
Settler's Road - Calfass Road to Telfer Glen													\$121,000		
Tandem Dump Truck													\$400,000		
Pickup truck - 1/2 ton - Crew Cab - 07						\$55,000			\$55,000					\$55,000	
Comprehensive Speed Limit Review for Township Roads with a Posted Speed Above 60 km/hr						\$15,000	\$15,000								
Maple Leaf Lane - County Road 46 to End						\$101,000									
Winer Road - McLean Road to Nicholas Beaver Road							\$389,000								
Mason Road - Concession 7 to End							\$84,000								
Nicholas Beaver Road - Winer Road to Brock Road South							\$473,000								
Grader - 502								\$70,000							
Concession 2 - Sideroad 10 South to County Road 35								\$778,000							
Concession 2 - Country Road 35 to Sideroad 25 South								\$791,000							

Projects by Year

Project Cost	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Public Works Concession 2 - Sideroad 20 South to Sideroad 25 South								\$1,013,000							
Concession 2/2A - Sideroad 25 South to Concession 2								\$316,000							
Concession 2A - Concession 2 to Concession 7								\$117,000							
Bridle Path - Bridle Path Split to Brock Road South									\$190,944						
Bridle Path - Bridle Path Split to Brock Road South									\$30,056						
Bridle Path									\$552,000						
Gore Road - County Road 35 to Foreman Road										\$780,000					
Concession 1 - Townline Road to Transition											\$479,000				
Concession 1 - Transition to Sideroad 10 South											\$284,000				
Laird Road West - End to Country Road 32												\$162,000			
Old Brock Road - Cockburn Street to End												\$44,000			
Fox Run Drive - Fox Run Drive transition to median to Fox Run Drive transition to curb												\$99,000			
Fox Run Drive - Brock Road North to Fox Run Drive transition to median												\$80,000			
Ellis Road - County Road 32 to 6725 Ellis Road												\$704,000			
Back Street - Main Street to Badenoch Street East													\$131,000		
Backhoe - 06														\$155,000	

Projects by Year

Project Cost	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
By-law															
By-law															
SUV									\$17,988					\$17,988	
By-law Total									\$17,988					\$17,988	
	\$290,615	\$160,542	\$75,642	\$2,169,886	\$471,931	\$5,445,132	\$6,651,698	\$5,123,498	\$5,186,721	\$7,188,223	\$5,450,046	\$5,911,394	\$4,063,824	\$4,383,799	\$3,492,654

Equipment Replacement Schedule

Schedule C to Report FIN-2023-031

Department	Description	Year	Asset ID	Intercorporate Transfer	Current Mileage	Current Hours	Lifecycle	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Fire	Pumper 32 Truck	2012	5040		40,993	2,064	20									300											
Fire	Aerial 33 Truck	2003	5033		64,010	2,766	25					1500															
Fire	Rescue 35 Truck	2022	5035		6,609	310	25																				
Fire	Pumper 31 Truck	2005	5031		115,842	4,645	20		950																		
Fire	Tanker 38 Truck	2007	5038		44,873	2,846	25									750											
Fire	Tanker 37 Truck	2010	7006		30,314	1,316	20							750													
Fire	Pickup truck - 1/2 ton	2013	7005A	from By-law	177,000	N/A	5				BL tfr					BL tfr					BL tfr				BL tfr		
By-law	Pickup truck - Mid-Size	2016	7005B	from Building	76,654	N/A	5				18					18					18				18		
Building	SUV	2022	7005C	to By-law	12,942	N/A	5				18					18					18				18		
Public Works	Backhoe	2019-06	8001		N/A	1,755	12									155											
Public Works	Grader with Snow Plowing Equipment	2022-501	8002		18,823	1,383	20-25																			475	
Public Works	Grader	2000-502	8003		N/A	9,345	20-25			70																	
Public Works	Roadside Mower Attachment for Grader 502	2022	8006		N/A	N/A	20																			100	
Public Works	Dump Pickup Truck - 1.5 ton	2021-305	7003		52,142	N/A	12										102										
Public Works	Tandem Dump Truck	2019-304	8013		67,200	2,106	8				400							400									400
Public Works	Pickup truck - 1/2 ton - Crew Cab	2024-07	TBD	to Parks	N/A	N/A	5	55			55				55						55					55	
Public Works	Pickup truck - 3/4 ton - Single Cab	2021-03	8019	to Parks	59,000	N/A	5			42					42					42					42		
Public Works	Tandem Roll-Off Dump	2020-302	8014		60,998	2,515	8					400							400								
Public Works	Tandem Dump Truck	2021-301	8016		20,682	716	8						400								400						
Public Works	Single Dump Truck - 303	2015-303	8017	Spare until 304 replaced.	85,285	3,147	12				To be sold																
Public Works	Tandem Dump Truck - 306	2023-306	TBD		-	-	8							400										400			
Public Works	Brush Chipper	2015	8018		N/A	190	5,000																				
ORC	Floor Scrubber	2021	4060		N/A	N/A	8						15														
ORC	Olympia Ice Machine	2017	8020		N/A	N/A	25	Director to assess after 8 years of lifecycle (in 2025) given operating costs incurred in 2022/2023																			
Parks	Kubota Lawn Tractor	2018	7007		N/A	1,767	10					30															80
Parks	Kubota Lawn Tractor	2023	8011		N/A	250	10										24										24
Parks	Landscape Trailer	2014	8012		N/A	N/A	15						10														
Parks	Landscape Trailer	2023	TBD		N/A	N/A	15																			10	
Parks	Pickup truck - 3/4 ton - Crew Cab	2017-05	7009	from PW	185,835	N/A	5	PW tfr			PW tfr					PW tfr										PW tfr	
Parks	Pickup truck - 1/2 ton	2015-04	7008	from PW	161,572	N/A	5			PW tfr						PW tfr									PW tfr		
	Total							55	950	112	491	1930	425	750	442	1296	126	0	400	442	506	40	400	0	42	746	424

Capital Summary - Funding Sources by Year

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Grant															
Building	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,526	\$0	\$0	\$0	\$0	\$16,526
Corporate	\$0	\$0	\$0	\$25,000	\$0	\$0	\$25,000	\$25,000	\$25,000	\$0	\$0	\$0	\$25,000	\$0	\$0
Fire and Rescue	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000	\$0	\$3,000	\$10,000	\$0	\$20,000	\$0	\$33,000	\$0
Parks	\$0	\$0	\$0	\$691,332	\$45,342	\$25,500	\$0	\$6,000	\$6,000	\$4,933	\$2,000	\$0	\$6,000	\$6,000	\$4,933
PCC	\$0	\$0	\$0	\$0	\$0	\$0	\$47,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Public Works	\$0	\$0	\$0	\$0	\$0	\$380,951	\$380,951	\$380,951	\$405,951	\$430,951	\$405,951	\$380,951	\$405,951	\$351,780	\$408,706
Municipal Office	\$0	\$0	\$75,642	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grant Total	\$0	\$0	\$75,642	\$716,332	\$45,342	\$406,451	\$473,451	\$411,951	\$439,951	\$462,410	\$407,951	\$400,951	\$436,951	\$390,780	\$430,165
Levy															
Corporate	\$0	\$0	\$0	\$0	\$0	\$1,064,075	\$1,205,700	\$1,273,700	\$1,310,700	\$998,044	\$1,260,450	\$1,280,700	\$1,305,700	\$1,310,700	\$1,310,700
Finance	\$0	\$0	\$0	\$0	\$0	\$12,625	\$0	\$0	\$0	\$0	\$15,250	\$0	\$0	\$0	\$0
Fire and Rescue	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ORC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500	\$0	\$0	\$0	\$0
Parks	\$0	\$0	\$0	\$0	\$0	\$25,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PCC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500	\$0	\$0	\$0	\$0
Public Works	\$0	\$0	\$0	\$0	\$0	\$398,300	\$428,300	\$435,300	\$478,300	\$840,956	\$578,300	\$658,300	\$683,300	\$728,300	\$778,300
Municipal Office	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0
Levy Total	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,689,000	\$1,739,000	\$1,789,000	\$1,839,000	\$1,889,000	\$1,939,000	\$1,989,000	\$2,039,000	\$2,089,000
Discretionary_Reserves															
Building	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,012	\$0	\$0	\$0	\$0	\$18,012	\$0
Corporate	\$290,615	\$9,000	\$0	\$30,000	\$35,000	\$65,991	\$28,932	\$19,520	\$7,916	\$14,980	\$60,991	\$38,472	\$9,980	\$12,916	\$9,980
Finance	\$0	\$0	\$0	\$0	\$45,828	\$225	\$0	\$0	\$0	\$0	\$2,250	\$0	\$0	\$0	\$0
Fire and Rescue	\$0	\$0	\$0	\$0	\$10,000	\$17,766	\$967,266	\$26,844	\$36,805	\$1,498,883	\$20,805	\$735,922	\$11,844	\$1,028,883	\$34,305
ORC	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks	\$0	\$0	\$0	\$0	\$221,378	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PCC	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Public Works	\$0	\$141,062	\$0	\$408,938	\$50,000	\$2,408,697	\$2,386,745	\$2,246,009	\$2,238,121	\$2,078,577	\$2,294,577	\$2,137,536	\$1,146,849	\$501,900	\$490,462
Municipal Office	\$0	\$0	\$0	\$361,476	\$0	\$30,000	\$0	\$0	\$0	\$472,750	\$60,000	\$0	\$0	\$0	\$0
By-law	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,988	\$0	\$0	\$0	\$0	\$17,988	\$0

Capital Summary - Funding Sources by Year

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Discretionary_Reserves 1	\$290,615	\$160,062	\$0	\$800,414	\$362,205	\$2,522,679	\$3,382,943	\$2,292,373	\$2,318,842	\$4,065,190	\$2,438,623	\$2,911,930	\$1,168,673	\$1,579,699	\$534,747
Restricted_Reserves															
Finance	\$0	\$480	\$0	\$0	\$6,672	\$25,650	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire and Rescue	\$0	\$0	\$0	\$0	\$15,000	\$12,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ORC	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0	\$15,000	\$0	\$5,000	\$0	\$0
Parks	\$0	\$0	\$0	\$653,140	\$0	\$124,500	\$0	\$20,134	\$0	\$62,807	\$8,000	\$0	\$0	\$0	\$18,910
PCC	\$0	\$0	\$0	\$0	\$35,000	\$160,000	\$260,000	\$0	\$5,000	\$100,000	\$40,000	\$0	\$0	\$0	\$5,000
Public Works	\$0	\$0	\$0	\$0	\$7,712	\$693,352	\$646,304	\$660,040	\$633,928	\$658,816	\$651,472	\$659,513	\$464,200	\$374,320	\$414,832
Restricted_Reserves Tot:	\$0	\$480	\$0	\$653,140	\$64,384	\$1,016,002	\$1,106,304	\$680,174	\$638,928	\$821,623	\$714,472	\$659,513	\$469,200	\$374,320	\$438,742
Debenture															
Municipal Office	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debenture Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grand Total	\$290,615	\$160,542	\$75,642	\$2,169,886	\$471,931	\$5,445,132	\$6,651,698	\$5,123,498	\$5,186,721	\$7,188,223	\$5,450,046	\$5,911,394	\$4,063,824	\$4,383,799	\$3,492,654

2024 Proposed Capital Program

Department	Total	Levy	Canada Community- Building Fund	Discretionary_ Reserves	Restricted_Res erves	Grant
Corporate	1,130,066	1,064,075	-	65,991	-	-
Municipal Office	30,000	-	-	30,000	-	-
Finance	38,500	12,625	-	225	25,650	-
Building	-	-	-	-	-	-
By-law	-	-	-	-	-	-
Planning	-	-	-	-	-	-
Public Works	3,881,300	398,300	250,000	2,408,697	443,352	380,951
Fire and Rescue	30,266	-	-	17,766	12,500	-
Parks	175,000	25,000	-	-	124,500	25,500
ORC	-	-	-	-	-	-
PCC	160,000	-	-	-	160,000	-
Total	5,445,132	1,500,000	250,000	2,522,679	766,002	406,451

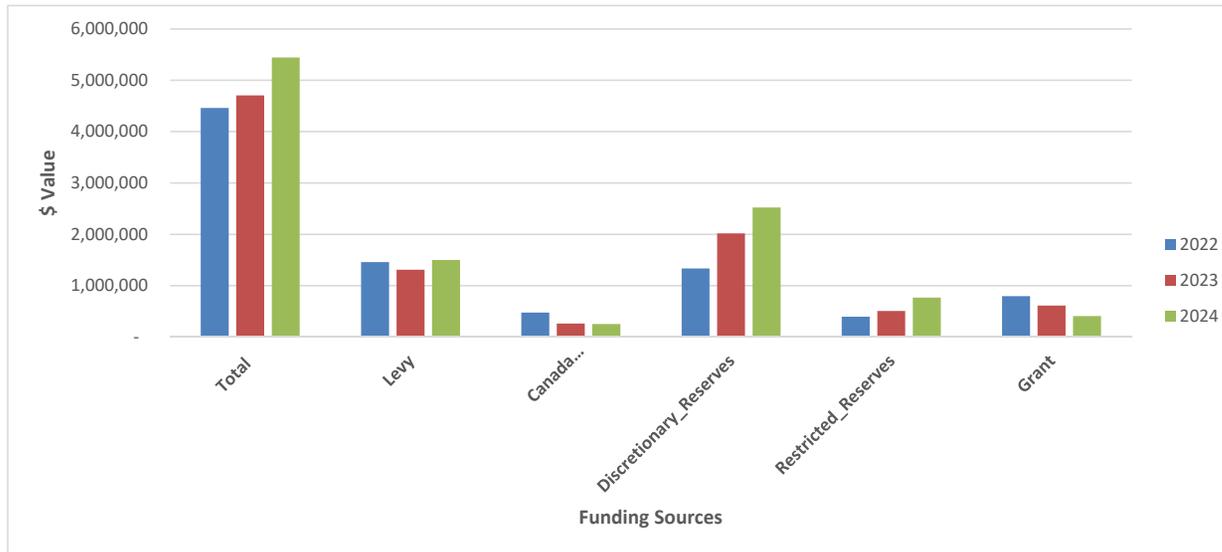
2023 Approved Capital Program

Department	Total	Levy	Canada Community- Building Fund	Discretionary_ Reserves	Restricted_Res erves	Grant
Corporate	1,010,484	1,000,792	-	9,692	-	-
Municipal Office	-	-	-	-	-	-
Finance	53,580	21,908	-	-	6,672	25,000
Building	1,526	-	-	-	-	1,526
By-law	5,100	-	-	5,100	-	-
Planning	9,900	-	-	9,900	-	-
Public Works	2,937,220	278,300	259,200	1,709,716	309,053	380,951
Fire and Rescue	39,805	10,000	-	14,805	15,000	-
Parks	591,776	-	-	269,000	119,776	203,000
ORC	15,635	-	-	-	15,635	-
PCC	39,767	-	-	-	39,767	-
Total	4,704,792	1,311,000	259,200	2,018,213	505,903	610,477

2022 Approved Capital Program

Department	Total	Levy	Canada Community- Building Fund	Discretionary_ Reserves	Restricted_Res erves	Grant
Corporate	1,298,822	1,252,300	-	21,522	-	25,000
Municipal Office	361,476	-	-	293,165	-	68,311
Finance	-	-	-	-	-	-
Building	15,000	-	-	15,000	-	-
By-law						
Planning	-	-	-	-	-	-
Public Works	2,187,238	207,800	476,058	898,718	273,400	331,262
Fire and Rescue	56,307	-	-	56,307	-	-
Parks	511,106	-	-	20,000	120,978	370,128
ORC	15,000	-	-	15,000	-	-
PCC	15,000	-	-	15,000	-	-
Total	4,459,949	1,460,100	476,058	1,334,712	394,378	794,701

2024 Proposed Capital Budget Compared to the 2023 and 2022 Approved Capital Budget Funding Comparisons



2024 Proposed Ten Year Plan

Department	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Corporate	1,384,298	1,252,417	1,298,822	1,010,484	1,130,066	1,259,632	1,318,220	1,343,616	1,013,024	1,321,441	1,319,172	1,340,680	1,323,616	1,320,680
Municipal Office	25,500	4,500	361,476	-	30,000	-	-	-	472,750	80,000	-	-	-	-
Finance	22,500	0	-	53,580	38,500	-	-	-	-	17,500	-	-	-	-
Building	-	0	15,000	1,526	-	-	-	18,012	16,526	-	-	-	18,012	16,526
By-law	-	-	-	5,100	-	-	-	17,988	-	-	-	-	17,988	-
Planning	-	0	-	9,900	-	-	-	-	-	-	-	-	-	-
Public Works	2,987,224	1,564,154	2,187,238	2,937,220	3,881,300	3,842,300	3,722,300	3,756,300	4,009,300	3,930,300	3,836,300	2,700,300	1,956,300	2,092,300
Fire and Rescue	744,113	18,391	56,307	39,805	30,266	1,017,266	56,844	39,805	1,508,883	20,805	755,922	11,844	1,061,883	34,305
Parks	234,963	1,557,411	511,106	591,776	175,000	25,000	26,134	6,000	67,740	10,000	-	6,000	6,000	23,843
ORC	5,000	0	15,000	15,635	-	200,000	-	-	-	22,500	-	5,000	-	-
PCC	8,000	100,000	15,000	39,767	160,000	307,500	-	5,000	100,000	47,500	-	-	-	5,000
Total	5,411,598	4,496,873	4,459,949	4,704,792	5,445,132	6,651,698	5,123,498	5,186,721	7,188,223	5,450,046	5,911,394	4,063,824	4,383,799	3,492,654
Change from previous year		(914,725)	(36,924)	244,843	740,340	1,206,566	(1,528,200)	63,223	2,001,503	(1,738,177)	461,348	(1,847,569)	319,974	(891,144)
													10 year total	52,896,989
													yearly average	5,289,699

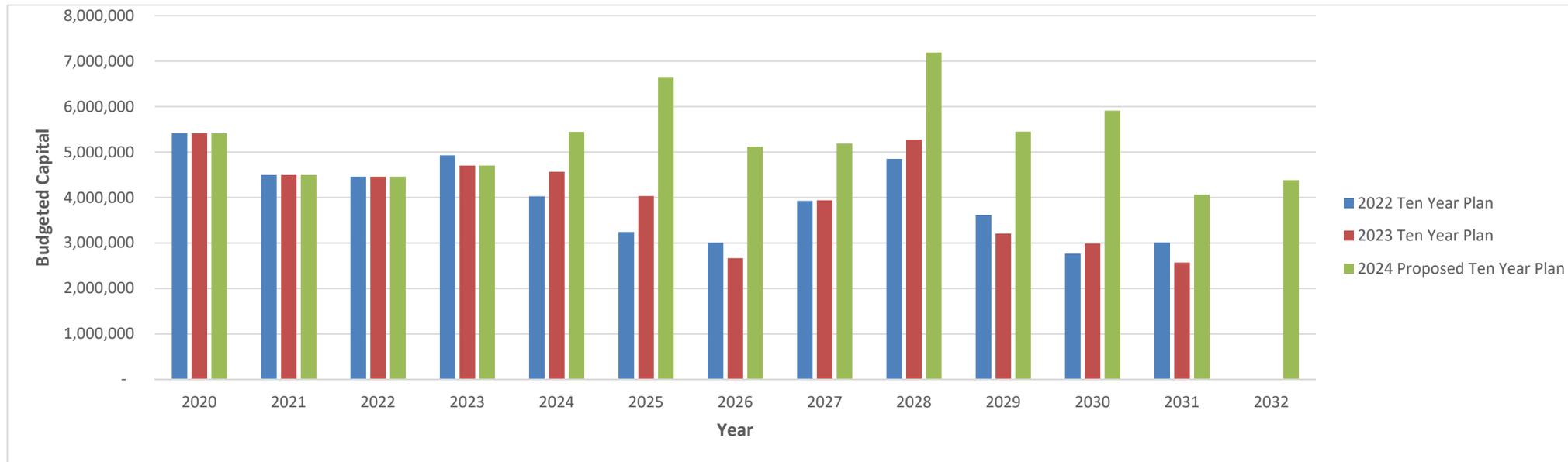
2023 Ten Year Plan

Department	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Corporate	1,384,298	1,252,417	1,298,822	1,010,484	1,156,324	960,460	1,230,700	1,282,700	1,170,800	1,388,824	1,392,700	1,472,700	1,487,200	
Municipal Office	25,500	4,500	361,476	0	16,000	0	0	0	422,750	60,000	0	-	-	
Finance	22,500	0	0	53,580	31,000	0	0	0	0	31,000	0	-	-	
Building	-	0	15,000	1,526	0	0	5,000	18,012	16,526	0	0	5,000	18,012	
By-law	0	-	-	5,100	-	-	-	17,988	-	-	-	-	17,988	
Planning	-	0	0	9,900	0	0	0	0	0	0	0	-	-	
Public Works	2,987,224	1,564,154	2,187,238	2,937,220	3,011,463	1,889,489	1,384,359	2,580,909	1,976,751	1,653,173	839,286	1,053,283	505,678	
Fire and Rescue	744,113	18,391	56,307	39,805	40,766	1,047,266	26,844	36,805	1,508,883	20,805	755,922	34,844	1,058,883	
Parks	234,963	1,557,411	511,106	591,776	0	0	20,134	0	67,740	0	0	-	-	
ORC	5,000	0	15,000	15,635	100,000	0	0	0	7,500	15,000	0	5,000	-	
PCC	8,000	100,000	15,000	39,767	212,500	137,500	0	5,000	107,500	40,000	0	-	50,000	
Total	5,411,598	4,496,873	4,459,949	4,704,792	4,568,053	4,034,715	2,667,037	3,941,414	5,278,450	3,208,802	2,987,908	2,570,827	3,137,761	
												10 year total	37,099,759	
												yearly average	3,709,976	

2022 Ten Year Plan

Department	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Corporate	1,384,298	1,252,417	1,298,822	1,305,700	1,286,584	1,412,700	1,622,700	1,669,700	1,738,300	1,924,824	1,984,700		2,104,700	
Municipal Office	25,500	4,500	361,476	-	16,000	-	-	20,000	302,750	60,000	-	-	-	
Finance	22,500	-	-	-	31,000	-	-	-	-	31,000	-	-	0	
Building	0	-	15,000	-	33,000	-	5,000	15,000	-	-	-	-	38,000	
By-law		-	-	-	-	-	-	-	-	-	-	-	-	
Planning	0	-	-	-	-	-	-	-	-	-	-	-	0	
Public Works	2,987,224	1,564,154	2,187,238	2,886,665	2,512,206	1,097,095	1,324,359	2,167,909	2,133,751	1,520,173	776,286		828,283	
Fire and Rescue	744,113	18,391	56,307	62,691	31,072	582,477	25,762	35,453	508,072	19,453	5,381		33,762	
Parks	234,963	1,557,411	511,106	540,000	6,000	-	29,828	-	67,740	6,000	-		0	
ORC	5,000	-	15,000	100,000	-	-	-	7,500	-	15,000	-		5,000	
PCC	8,000	100,000	15,000	35,000	112,500	150,000	-	12,500	100,000	40,000	-		-	
Total	5,411,598	4,496,873	4,459,949	4,930,056	4,028,362	3,242,271	3,007,649	3,928,062	4,850,613	3,616,450	2,766,367		3,009,745	
												10 year total	37,839,522	
												yearly average	3,783,952	

2024 Proposed Ten Year Plan Compared to the 2023 and 2022 Ten Year Plans





Date: October 16, 2023 **File:** 123018
To: Mike Fowler, Director of Public Works, Parks and
 Facilities, Township of Puslinch
From: Steve Conway CET, rcsi, PMP
Project: Boreham Drive Park
Subject: Stormwater Management Pond Alteration Options

TECHNICAL MEMO

This memo has been prepared by GM BluePlan Engineering Limited (GMBP) to provide high-level considerations to the Township of Puslinch (Township) for the Boreham Drive Park Stormwater Management Pond.

BACKGROUND INFORMATION

The Boreham Drive Park Stormwater Management Pond is, as we understand, an infiltration pond located in the northwest corner of an 18-lot residential subdivision in Arkell, Ontario. The pond is constructed as two large channels within a park / open area of the subdivision. The Township has requested that GMBP provide options to re-design the SWM Facility and provide high level budget estimates in response to concerns raised by a resident.

Through a search of our internal records, we located the “Arkell Estates Subdivision Storm Water Management Report”, dated October 1998, by MTE Consultants Inc. (MTE Report). Refer to the attached plan of the pond provided within the MTE Report for reference.

It is understood that excess runoff that does not infiltrate within the open channels is designed to discharge at the northwest corner of the subdivision onto the adjacent agricultural property. Stormwater flows are attenuated through the use of an on-line orifice and an overflow weir, with the goal to maintain the pre-development drainage pattern. The existing pond has an estimated maximum theoretical storage capacity of 1605m³, as described in the attached Stage-Storage-Discharge Relationship table from the MTE Report. This table displays the relationship between the elevation of water detained in the pond, the volume of water stored, and the rate of discharge from the pond. We have accounted for this capacity to be maintained as part of any proposed alterations to the existing pond.

Based on our site observations, the containment berm for the open channels of the pond does not appear to be constructed as detailed in the MTE Report; however, the presence of the outlet catch basin and orifice plate confirms to us that a stormwater management facility is intended for this area. Therefore, we believe the open channels within the park are not similar to a typical drainage ditch / roadside ditch in that they serve functions beyond strictly conveyance of flows. Further review and discussion with MTE may be required to confirm the function of the pond.

POND ALTERATION OPTIONS

Any proposed alterations to the existing pond would need to allow for the system to perform with the same quality and quantity control as the system currently in operation. The following section outlines possible alteration options that the Township could complete in an attempt to address the raised concerns.

Any alterations to the function of the pond would require an amendment to the existing Environmental Compliance Approval (ECA) with the Ministry of the Environment, Conservation and Parks (MECP), or a new application where an existing ECA does not exist.

Cost estimates provided in this section are based on construction costs only (2023 pricing) and include a 10% allowance for engineering and contingency, but do not include other potential costs such as property acquisitions, permit approval fees, utility relocations, etc. Cost estimate breakdowns have been attached for reference.



OPTION 1: REPLACE POND WITH BURIED INFILTRATION BASIN

The Township could infill the existing pond with a storm sewer and install a buried infiltration basin beneath the open grassland area. This option would include:

- Filling in the current open ditch and installing with a 450mm HDPE storm sewer along the channels and discharging to an infiltration basin.
- Installing a new detention area for infiltration and rate control / storage to match the existing pond storage capacity (actual footprint of infiltration basin would depend on product selected for use, but a possible footprint is estimated to be minimum 45m x 45m at 0.9m deep for a Brentwood StormTank Module 20 Series system).
- Installing shallow swales and ditch inlet catch basin manholes to collect surface runoff that currently sheet flows into the existing pond.

This option has an estimated construction cost of \$1,250,000 + HST. This option assumes that the entire length of the existing pond is infilled. Opportunities to infill a portion of the pond could be explored in an effort to reduce costs.

OPTION 2: REPLACE POND WITH BOX CULVERT

The Township could infill the existing pond with a pipe equal to the pond capacity of 1605m³. We estimate this would require a 1200mm rise x 6300mm span box culvert throughout the entire length of the current pond. Perforations in the base slab of the pipe to promote infiltration would be required. Shallow swales above the box culvert and ditch inlet catch basin risers would be required to collect surface runoff that currently sheet flows into the existing pond. A custom structure may be required to transition around the bend in the existing pond.

This option has an estimated construction cost of 3,630,000 + HST. This option assumes that the entire length of the existing pond is infilled. Opportunities to infill a portion of the pond could be explored in an effort to reduce costs.

OPTION 3: BARRICADE DRY POND WITH CHAIN-LINK FENCE

The Township could install a barrier surrounding either the playground or the entire open channel, such as a chain-link fence. This option would require additional Township staff efforts for maintenance work. This option has an estimated construction cost of \$60,000 + HST.

OPTION 4: BARRICADE POND WITH VEGETATION

The MTE Report included drawings that show a natural barrier surrounding the pond of trees and shrubs (attached). This design does not appear to have been implemented by the developer of the subdivision. The Township could use plantings as a barrier around the existing pond, such as those provided on the referenced drawing. This option has an estimated construction cost of \$70,000 + HST.



Memo To: Mike Fowler

GMBP Project: 123018

September 15, 2023

Page 3 of 3

Additional Note:

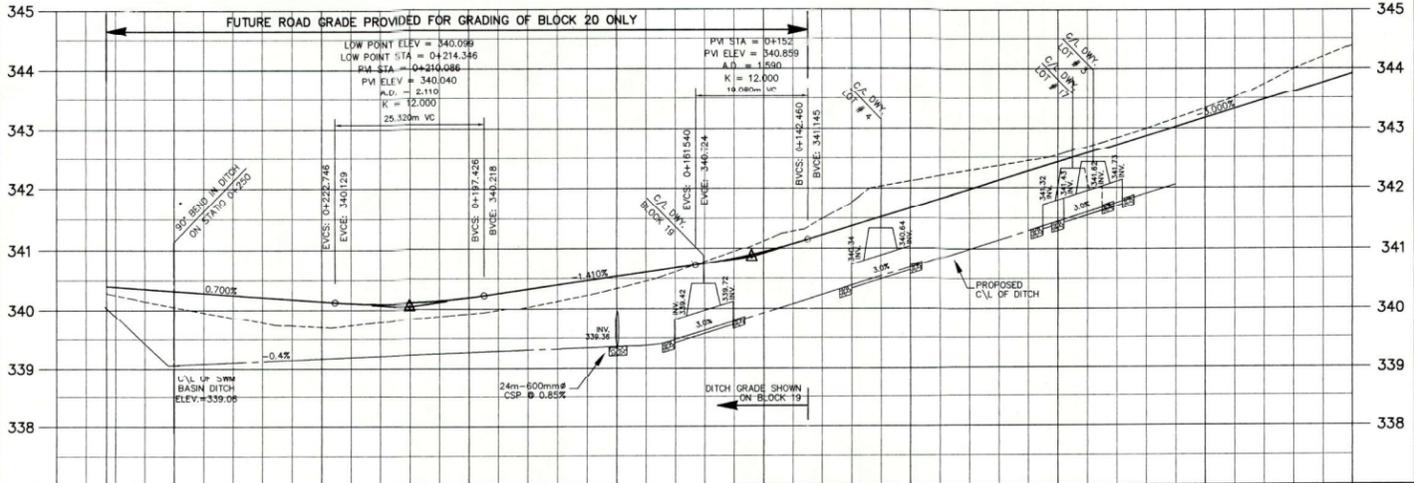
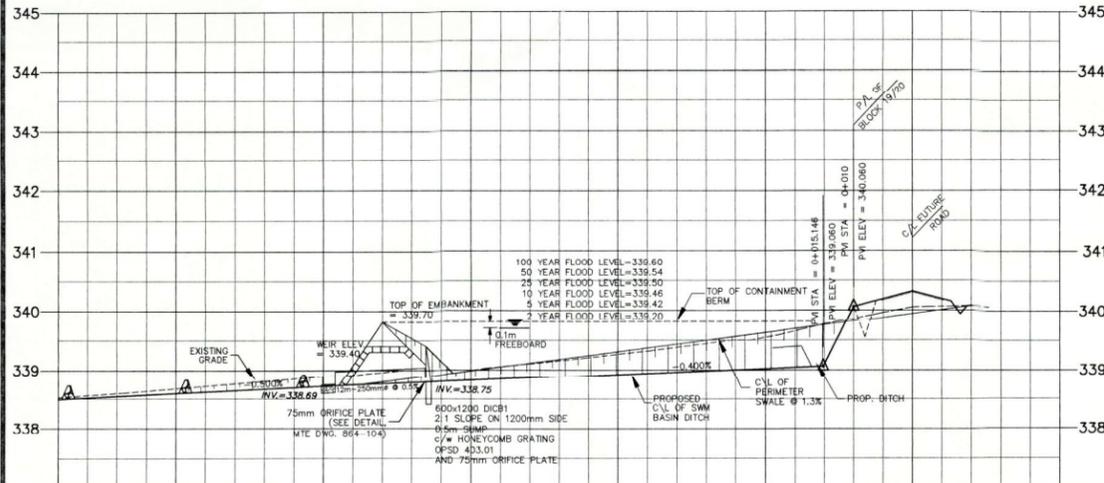
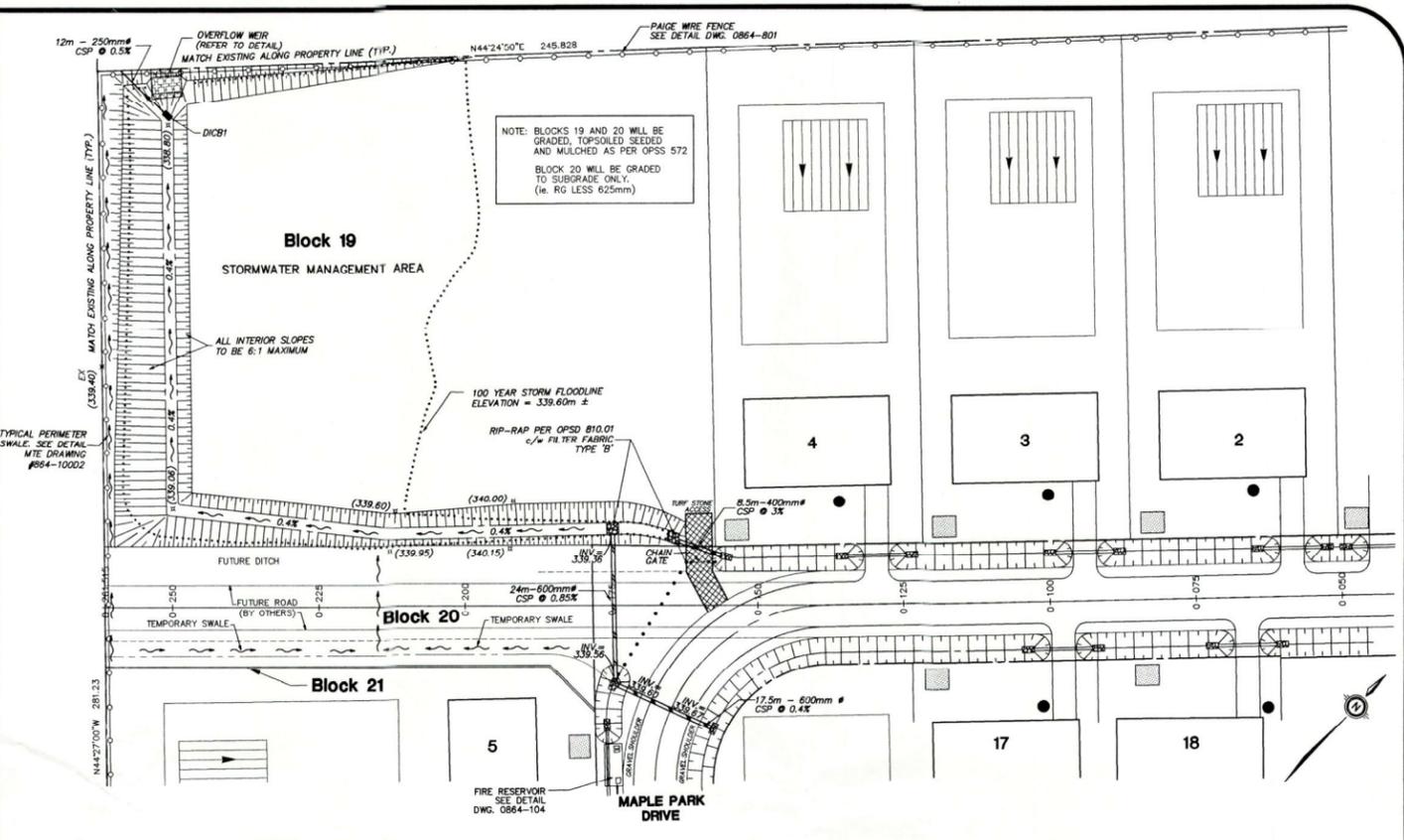
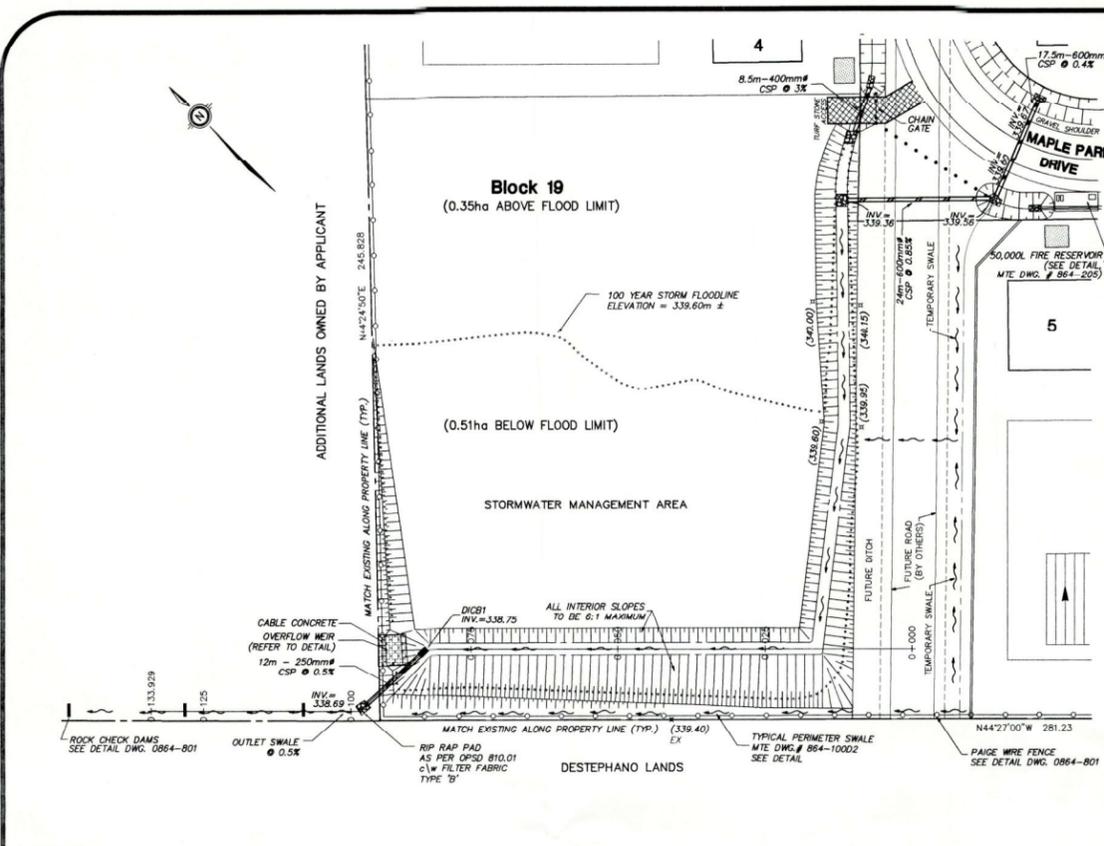
We also note that if any additional work at Boreham Park is anticipated, it considered in conjunction with the Township's Parks Master plan.

END OF MEMO

Attachments:

- MTE Report Drawing (Future Road / SWM Block)
- MTE Stage-Storage-Discharge Relationship Table
- Preliminary Cost Estimates
- MTE Report Drawing (Landscape Plan)

0864-103
FUTURE ROAD/SWM BLOCK
MTE Computer Dwg No. 0864103.DWG

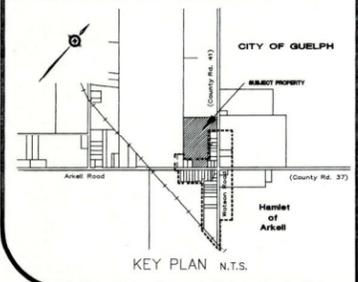


PROPOSED C ROAD ELEVATIONS

CHAINAGE	0+100	0+200	0+300	0+400	0+500	0+600
ELEVATION	338.721	338.821	338.921	339.021	340.320	343.919

PROPOSED C ROAD ELEVATIONS

CHAINAGE	0+200	0+250	0+300	0+350	0+400	0+450	0+500	0+600
ELEVATION	340.400	340.319	340.144	340.085	340.335	340.843	341.669	343.919



GENERAL NOTES:

- DRAWING TO BE READ IN CONJUNCTION WITH "STORMWATER MANAGEMENT REPORT" PREPARED BY MTE CONSULTANTS INC. AND DATED OCTOBER, 1998
- STANDARD MUD MATS SHALL BE INSTALLED AT ALL CONSTRUCTION ACCESS POINTS TO THE PROPERTY. REFER TO STANDARD DETAIL DWG. 0864-100D1.

NOTE TO CONTRACTOR :

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DO NOT USE THIS DRAWING FOR CONSTRUCTION UNLESS SIGNED AND DATED BY THE ENGINEER'S OFFICE.

DATE _____

THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT MTE CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY MTE CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

REVISIONS

No.	DESCRIPTION	BY	DATE
5.			
4.			
3.			
2.			
1.	SUBMITTED FOR APPROVAL	DJW	98/11/09

BENCHMARK
DESCRIPTION
ELEV. = 345.399

CUT CROSS IN TOP OF FIRST STEP, ARKELL UNITED CHURCH, LOCATED ON THE NORTH-WEST CORNER OF ARKELL ROAD & WATSON ROAD.

D.J. WILHELM
LICENSED PROFESSIONAL ENGINEER
NOV 10 1999
PRINTED

OWNER
NASA HOLDINGS INC.
GUELPH
ONTARIO

Hamlet of Arkell, Ontario

PROJECT
ARKELL ESTATES SUBDIVISION
R.P. # 0000

DRAWING
FUTURE ROAD/
SWM BLOCK

MTE CONSULTANTS INC.
CONSULTING CIVIL ENGINEERS

650 Riverbend Dr., Kitchener Ont., N2K 3S2
Phone (519) 743-6500 Fax (519) 743-6513

Design By: D.J.W. City File No.
Checked By: J.E.M.
Drawn By: P.T. MTE Drawing No.
Date: OCT. 26/98 **0864-103**
Scale: HOR. 1:500 VER. 1:50 SHEET 7 of 9

TABLE 2: STAGE-STORAGE-DISCHARGE RELATIONSHIP			
Stage (m)	Storage (cu.m.)	Discharge (cms)	Description
338.80	0	0	75 mm ϕ orifice plate in DICB#1
338.90	18	.0037	Contour
339.00	50	.0052	Contour
339.10	102	.0064	Contour
339.20	201	.0074	Contour
339.30	392	.0083	Contour
339.40	709	.0091	Crest of weir - 5.0 m width
339.45	900	.106	Weir flow - 5.3 m width
339.50	1118	.290	Weir flow - 5.6 m width
339.55	1350	.539	Weir flow - 5.9 m width
339.60	1605	.847	Weir flow - 6.2 m width

TABLE 3: CALCULATED RUNOFF VOLUMES (cu. m)						
Design Storm	2 Year	5 Year	10 Year	25 Year	50 Year	100 Year
Pre-Development	285	1157	1634	2319	2901	3563
Post-Development	265	1073	1502	2130	2650	3240

5.0 STORMWATER MANAGEMENT - QUALITY CONTROL

5.1 Dry Pond

In accordance with M.O.E.E. guidelines for the design of dry ponds, a minimum detention time of 12 hours and a minimum orifice size of 75 mm were utilized. The actual detention time for each design storm is listed in Table 4. A total extended detention volume of 483 cubic metres is calculated for the 25 mm rainfall event.

Boreham Drive Stormwater Management Pond
GMBP Project No. 123018-7
Pre-Engineering Cost Estimate
Option 1 – Replace Pond with Infiltration Basin

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	EST. UNIT PRICE	TOTAL AMOUNT
1	Bonding and Insurance	LS	1.0	\$ 70,000.00	\$ 70,000.00
2	Mobilization, Miscellaneous Project Costs and Demobilization	LS	1.0	\$ 90,000.00	\$ 90,000.00
3	Layout	LS	1.0	\$ 10,000.00	\$ 10,000.00
4	Site Restoration	LS	1.0	\$ 40,000.00	\$ 40,000.00
5	Granular 'A'	tonne	1640.0	\$ 25.00	\$ 41,000.00
6	450Ø, HDPE, 320kPa Pipe Culvert	m	220.0	\$ 450.00	\$ 99,000.00
7	1200Ø Catch Basin Manhole	each	4.0	\$ 15,000.00	\$ 60,000.00
8	Infiltration Basin	m3	1600.0	\$ 255.00	\$ 408,000.00
9	Earth Excavation (offsite disposal)	m3	10780.0	\$ 20.00	\$ 215,600.00
CONSTRUCTION TOTAL					\$1,033,600.00
CONTINGENCY (10%)					\$ 104,000.00
ENGINEERING FEES (10%)					\$ 104,000.00
TOTAL					\$1,241,600.00
TOTAL (ROUNDED)					\$1,250,000.00

Boreham Drive Stormwater Management Pond
GMBP Project No. 123018-7
Pre-Engineering Cost Estimate
Option 2 – Replace Pond with a Box Culvert

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	EST. UNIT PRICE	TOTAL AMOUNT
1	Bonding and Insurance	LS	1.0	\$160,000.00	\$ 160,000.00
2	Mobilization, Miscellaneous Project Costs and Demobilization	LS	1.0	\$200,000.00	\$ 200,000.00
3	Layout	LS	1.0	\$ 5,000.00	\$ 5,000.00
4	Site Restoration	LS	1.0	\$ 15,000.00	\$ 15,000.00
5	Earth Excavation (offsite disposal)	m3	2500.0	\$ 50.00	\$ 125,000.00
6	Precast Concrete Box Culvert (1200mm x 6300mm)	m	220.0	\$ 11,000.00	\$2,420,000.00
7	Granular 'A'	tonne	1050.0	\$ 25.00	\$ 26,250.00
8	Ditch Inlet Catch Basin and Risers	each	4.0	\$ 3,000.00	\$ 12,000.00
9	Custom Box Transition around Bend	each	1.0	\$ 60,000.00	\$ 60,000.00
CONSTRUCTION TOTAL					\$3,023,250.00
CONTINGENCY (10%)					\$ 303,000.00
ENGINEERING FEES (10%)					\$ 303,000.00
TOTAL					\$3,629,250.00
TOTAL (ROUNDED)					\$3,630,000.00

Boreham Drive Stormwater Management Pond
GMBP Project No. 123018-7
Pre-Engineering Cost Estimate
Option 3 – Barricade Pond with a Chain-link Fence

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	EST. UNIT PRICE	TOTAL AMOUNT
1	Bonding and Insurance	LS	1.0	\$ 500.00	\$ 500.00
2	Mobilization, Miscellaneous Project Costs and Demobilization	LS	1.0	\$ 3,000.00	\$ 3,000.00
3	Layout	LS	1.0	\$ 500.00	\$ 500.00
4	Site Restoration	LS	1.0	\$ 2,000.00	\$ 2,000.00
5	Chainlink Fence	m	400.0	\$ 75.00	\$ 30,000.00
6	Gate	each	2.0	\$ 5,000.00	\$ 10,000.00
CONSTRUCTION TOTAL					\$ 46,000.00
CONTINGENCY (10%)					\$ 5,000.00
ENGINEERING FEES (10%)					\$ 5,000.00
TOTAL					\$ 56,000.00
TOTAL (ROUNDED)					\$ 60,000.00

Boreham Drive Stormwater Management Pond
GMBP Project No. 123018-7
Pre-Engineering Cost Estimate
Option 4 – Barricade Pond with Vegetation

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	EST. UNIT PRICE	TOTAL AMOUNT
1	Bonding and Insurance	LS	1.0	\$ 500.00	\$ 500.00
2	Mobilization, Miscellaneous Project Costs and Demobilization	LS	1.0	\$ 5,000.00	\$ 5,000.00
3	Layout	LS	1.0	\$ 500.00	\$ 500.00
4	Site Restoration	LS	1.0	\$ 500.00	\$ 500.00
5	Plantings - Trees	each	75.0	\$ 500.00	\$ 37,500.00
6	Plantings - Shrubs	each	37.0	\$ 300.00	\$ 11,100.00
CONSTRUCTION TOTAL					\$ 55,100.00
CONTINGENCY (10%)					\$ 6,000.00
ENGINEERING FEES (10%)					\$ 6,000.00
TOTAL					\$ 67,100.00
TOTAL (ROUNDED)					\$ 70,000.00

KEY	QUANT.	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION
A	3	Acer rubrum 'Franksred'	Red Sunset Maple	50 mm Caliper	Bareroot (B.R.)
B	43	Salix gracilistyla var.-melanostachys	Black Pussy Willow	60 cm	3 gal.
C	15	Cornus sanguinea	Winter Beauty Dogwood	30 cm	2 gal.
D	22	Ribes sativum	Wild Red Currant	30 cm	2 gal.
E	14	Parthenocissus quinquefolia	Virginia Creeper	2 year	B.R.
F	80	Scirpus pungens	Common Bullrush	N/A	Seed
G	29	Picea Glauca	Spruce	1500mm Tall	Balled & Burlapped

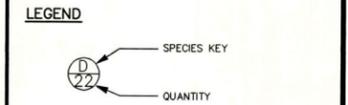


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DATE _____

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BENCHMARK ELEV. = 345.399
DESCRIPTION
CUT CROSS IN TOP OF FIRST STEP
ARKELL UNITED CHURCH
NORTHWEST CORNER OF ARKELL ROAD AND WATSON ROAD.

- NOTES**
1. PLANTING AREAS SHALL NOT BE MULCHED.
 2. BACKFILL TO BE 100mm SOIL NATIVE TO SITE.
 3. ALL WORK SHALL CONFORM TO LANDSCAPE ONTARIO SPECIFICATION STANDARDS.
 4. STAKE TREES AS PER DETAIL DRAWINGS.
 5. ALL AREAS TO BE HYDROSEEDED, ON A MINIMUM OF 200mm TOPSOIL.
 6. GRASSED AREAS AND PLANTS TO BE WATERED REGULARLY UNTIL ESTABLISHED.



No.	REVISION	BY	DATE
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1.			

MTE CONSULTING CIVIL ENGINEERS
consultants inc.

650 Riverbend Dr., Kitchener Ont., N2K 3S2
Phone (519) 743-6500 Fax (519) 743-6513

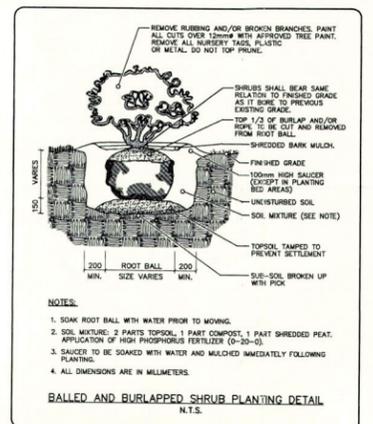
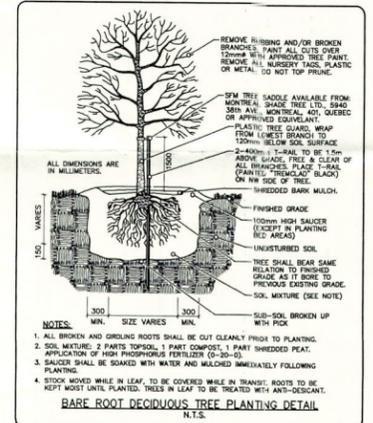
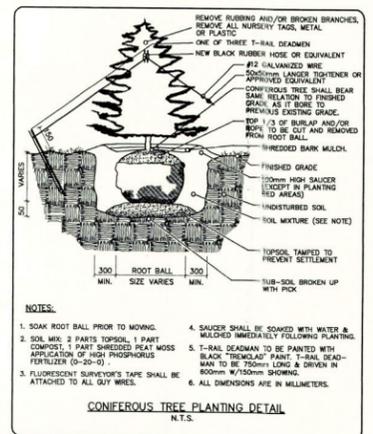
MTE consultants inc.
JAN 25 1999
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NASA HOLDINGS INC.

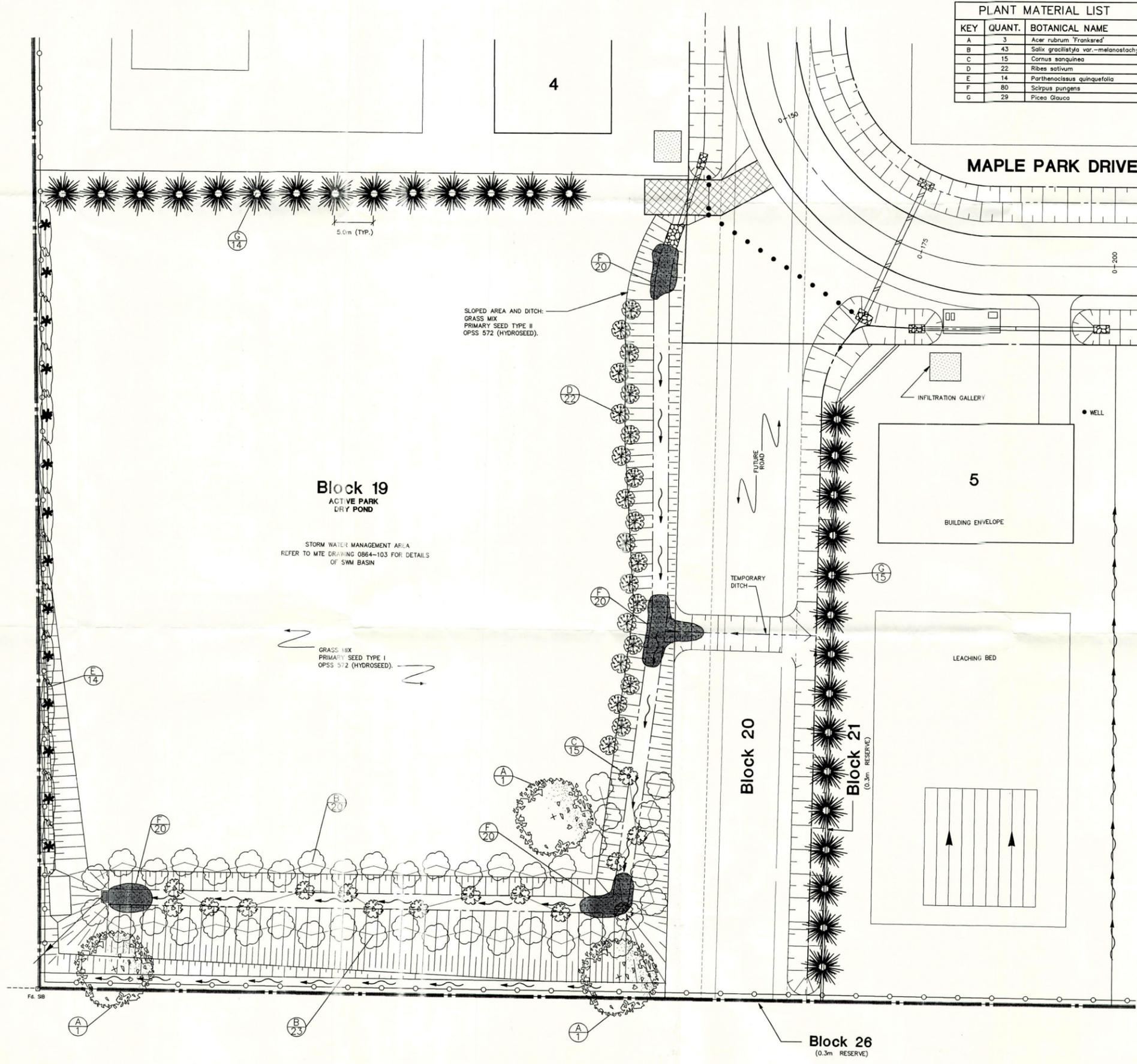
GUELPH ONTARIO
PROJECT
ARKELL ESTATES SUBDIVISION

GUELPH ONTARIO
DRAWING
LANDSCAPE PLAN

Design By LMF Drawn By SCB
Checked By DJW Surveyed By VAN HARTEN/MTE
Date 99/01/25 Drawing No. 0864-601
Job No. 0864-102
Scale 1:250 SHEET 1 of 1



FOR APPROVAL ONLY



Asset No.	Road Details	Public Feedback & Staff Responses		Staff recommendations regarding design/engineering (e.g. wildlife & speed mitigation, roads widening, etc.)
4	Gore Road (Sideroad 20 South to Valens Road)	None		None
139	Watson Road South (Hume Road to Maltby Road East)	None		None
140	Watson Road South (County Road 37 (Arkell Road) to Hume Road)	<p><u>August 15, 2021 public feedback:</u></p> <ul style="list-style-type: none"> • Consideration of reducing speed on Watson from 80km/hr to 70km/hr • Request to install speed bumps on Watson and Maltby Rd • Request to install rumble strips • Request to install lights or stop signs <p><u>January 2, 2023 public feedback:</u></p> <ul style="list-style-type: none"> • Establishing Arkell as a community safety zone; 	<p><u>August 15, 2021 staff response:</u></p> <ul style="list-style-type: none"> • Speed limits should be addressed through a comprehensive speed study for the Township as indicated in the Roads Management Plan (RMP); • The RMP sets out criteria for speed mitigation such as speed humps. This section of road does not meet the criteria; • Rumble strips are not recommended for speed mitigation as there are common noise complaints associated; • An all-way stop has been installed at this location. <p><u>January 2, 2023 staff response:</u></p> <ul style="list-style-type: none"> • Roadways entering the village of Arkell from the west, east and north are Wellington County Roads. Any changes to 	<ol style="list-style-type: none"> 1. Staff recommend that temporary electronic speed display signs be installed at the completion of the road rehabilitation for a period of time to be determined by Council; 2. Staff recommend that permanent speed humps (quantity to be determined through road design) be installed during road rehabilitation; 3. Staff recommend that Council proceed with the comprehensive speed limit review for all roads under the Township’s jurisdiction with a posted speed above 60 km/hr as recommended in the RMP prior to changing speed limits in the Township. The Capital Budget includes this project at a phased amount of \$15,000 in 2024 and \$15,000 in 2025 to be tax levy funded.

		<ul style="list-style-type: none"> • Request for electronic speed display signs installed; • Speed reduction (reduce speeds from 50km/hr to 40km/hr) 	<p>speed limits and signage on these roads would be a Wellington County decision. As the Township only has ownership of Watson Road South, south of Arkell Road, we would defer the decision of revised speed limits or additional signage to the County. Should the County elect to change the maximum speed limits within the village of Arkell and designate a “Community Safety Zone”, the Township would apply these same requirements on roads of their ownership within the village for consistency.</p> <ul style="list-style-type: none"> • Electronic speed display signs can be considered and would be subject to budget considerations; • Speed limits should be addressed through a comprehensive speed study for the Township as indicated in the RMP, however, Council previously indicated that the study would be scoped to roads currently posted at 60km/hr and over. Speed mitigation such as speed humps could be considered in 	
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		<u>May 23, 2023 public feedback:</u> <ul style="list-style-type: none"> Request for electronic speed display signs installed 	<p>accordance with the RMP criteria.</p> <p><u>May 23, 2023 staff response:</u></p> <ul style="list-style-type: none"> Electronic speed display signs can be considered and would be subject to budget considerations. 	
5	Gore Road (Valens Road to Concession 7)	None		None
52	Maple Leaf Lane - County Road 46 to End	None		None

Costs to consider when making decisions on road projects:

Estimated signage costs per sign include:

- \$200 (sign, post, labour)

Estimated costs for wildlife crossing include:

- \$10K for the culvert;
- \$450/linear foot of amphibian fencing (prevents wildlife from entering the road platform); and
- Required signage

Estimated costs for speed mitigation include:

- Radar display signs \$5K/unit (2 required per road i.e. one in each direction);
- Proposed County contract to install and remove radar signs will need to be included as the County will charge the Township for time and labour and calibrating the equipment;
- Permanent asphalt speed humps are estimated at \$2.5K per set; this will only be recommended to be installed based on the RMP criteria;

- Temporary rubber speed humps are estimated at \$5K per set; this could be recommended based on the RMP criteria and based on speeding complaints if necessary. There are operating implications associated with the temporary rubber speed humps.
- Staff will make recommendations accordingly during budget based on the RMP schedule for road rehabilitation and upon review of annual complaints.

Road widening:

- Engineering costs are approximately 5% of the total construction value;
- Road widening should incorporate at least a 40% increase in the total cost of road rehabilitation;
- Buried utilities in the right of way (ROW) need to be considered as any future utility work may be impacted by paving the shoulders of the ROW in addition to digging up the ROW for future road work which will result in trenching and patchwork of asphalt;
- Staff will make a recommendation to Council whether road widening should be considered based on a number of factors including public feedback, feasibility, budget considerations, asset management schedule, and road network continuity.