

**COMMITTEE OF THE WHOLE (WORKING SESSION) –
SEPTEMBER 15, 2021**

COMMUNICATIONS

Distributed September 10, 2021

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Distributed September 14, 2021

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C4 Kathryn Angus, dated September 15, 2021	1

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Please note there may be further Communications.



COMMUNICATION C1

ITEM NO. 2

**COMMITTEE OF THE WHOLE
(WORKING SESSION)**

September 15, 2021

Infrastructure Planning & Corporate Asset Management
Parks, Forestry & Horticulture Operations

Urban Forestry Asset Management Plan

September 15, 2021



Agenda

Objective: Provide an overview of the Urban Forestry Asset Management Plan in preparation for its endorsement by City Council and posting to the City's website as required by O. Reg. 588/17.

1. Ontario Regulation 588/17
2. Urban Forestry AM Plan – Approach
3. Urban Forestry AM Plan – State of the Infrastructure
4. Urban Forestry AM Plan – Proactive Tree Maintenance

Strategic Alignment

Good Governance

**Financial Stewardship
& Sustainability**

Environmental Stewardship

**Proactive Environmental
Management**





1. Ontario Regulation 588/17



Ontario Regulation 588/17: AM Milestone Dates

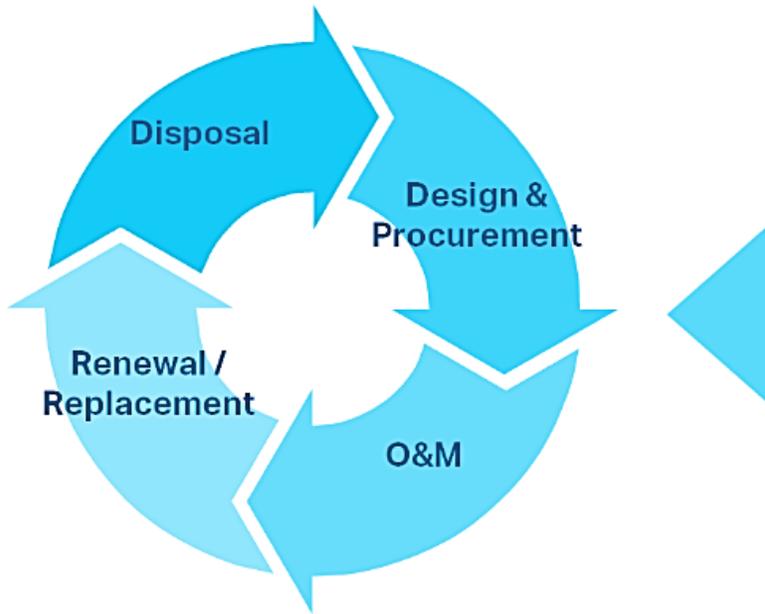


2. Urban Forestry AM Plan Approach



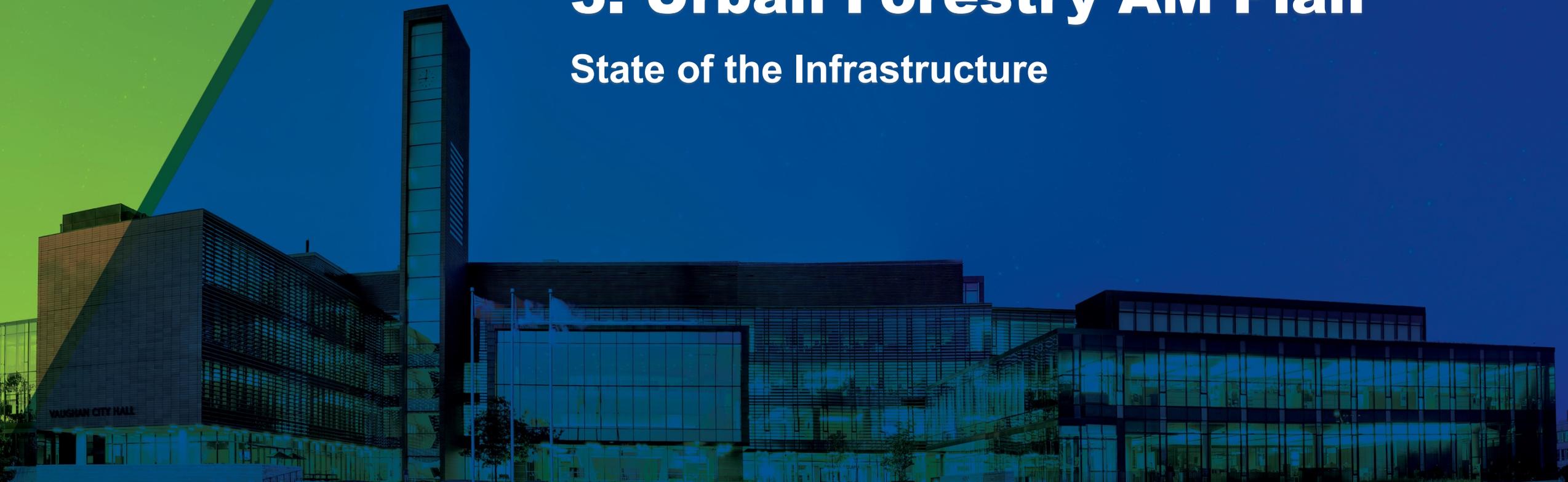
Asset Management Plans: Approach

Typical Asset Lifecycle



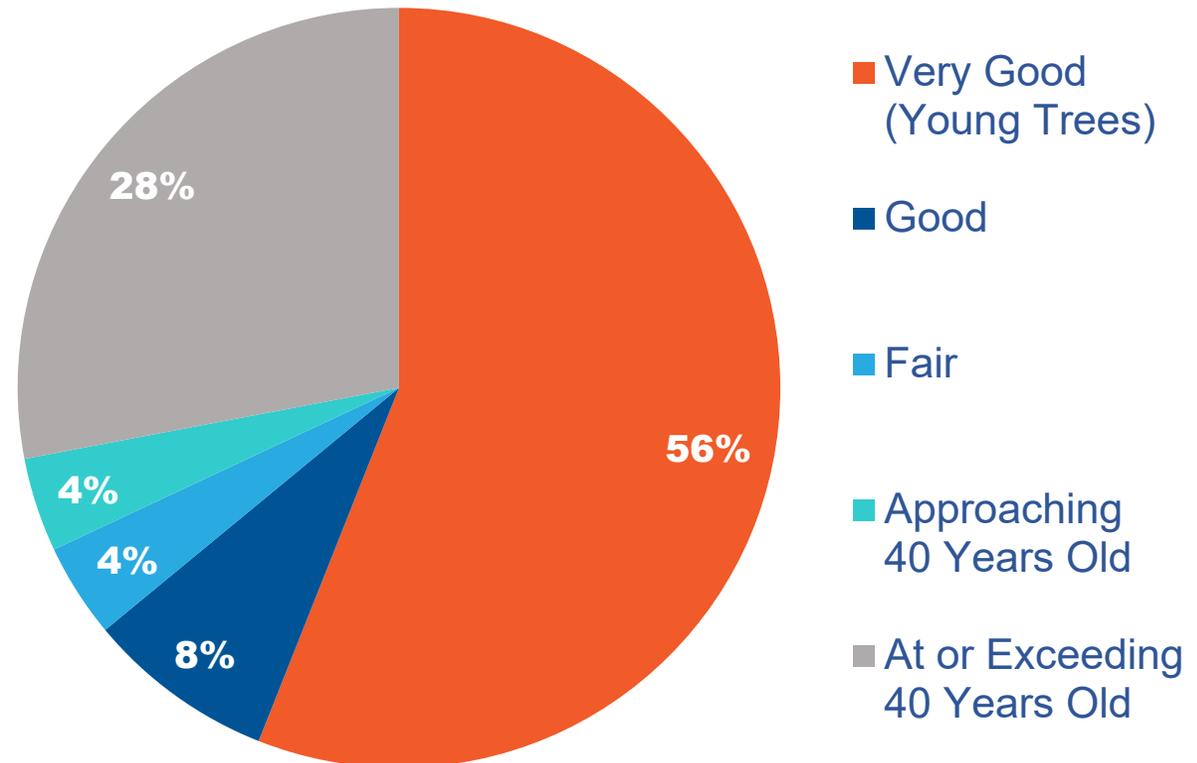
3. Urban Forestry AM Plan

State of the Infrastructure



Street Trees: Asset Inventory & Age-based Condition

Asset Type	No.	Unit of Measure	Average DBH (cm)	New tree Unit Replacement Cost	Mature tree Replacement Cost per DBH class per Species	Total Replacement Cost
Street Trees	126,541	Ea.	18	\$435 - \$510	\$1,100 - \$12,484,000	\$ 114,825,000



Street Trees: Environmental Benefits

Asset Type	Benefit Type	Amount	Unit of Measure	Value	Unit of Measure
Street trees	Pollution removal	13.73	Tons/year	\$70,000	Per year
	Carbon Storage	15.63	Thousand tons	\$1,799,660	Per year
	Carbon Sequestration	459.6	Tons	\$52,890	Per year
	Oxygen production	1.226	Thousand tons/year	-	-
	Avoided runoff	1.408	Million cubic feet/year	\$102,350	Per year

**Carbon equivalent of taking
4,685 cars off the road for
one day.**

**Oxygen equivalent of
providing 604 people clean
air to breathe for one day.**



Urban Forestry Tree Maintenance Strategy



Current Tree Maintenance – Pruning Cycle Length

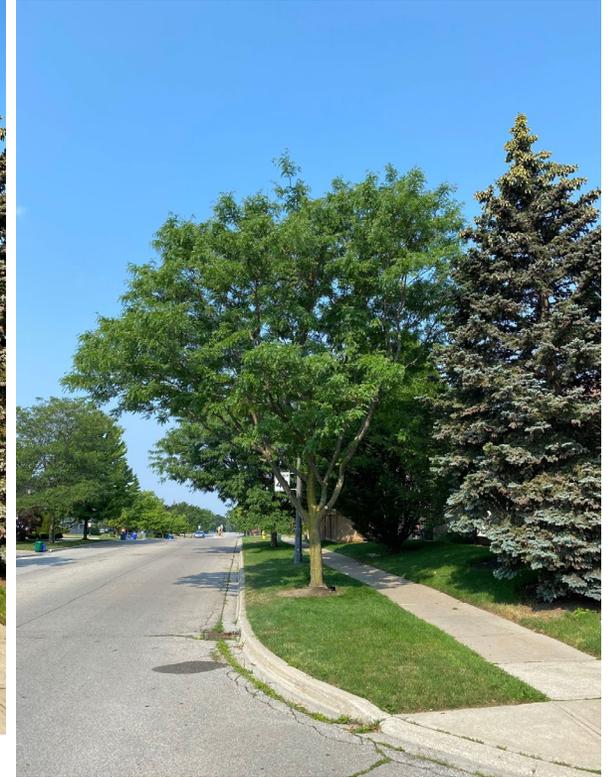
6,000 trees are pruned annually, representing a 22-year Street Tree pruning cycle.

5,000 trees are planted and assumed annually, requiring care and maintenance.

Current reactive pruning activities will be operating on a 25-year Street Tree pruning cycle by 2024.



Impact of Proactive Tree Maintenance



Improved tree vitality and condition and reduced failures and lifecycle costs.

Mitigates against potential safety and liability issues.

Proactive Tree Maintenance – Municipal Scan

Municipality	Maintenance Rotation (Years)	Comments
Vaughan	Current: 22 Proposed: 7	Tree health and structure-based strategy in 1st rotation, priority-based with focus on early development and risk, thereafter
Toronto	7	Starting 3 years after assumption
Ottawa	7	Starting 3 years after assumption
Oshawa	7	Higher frequency at early development and at decline
Richmond Hill	10	
Markham	7	Proactive program under development
Oakville	10	
Mississauga	-	Reactive only
London	10	
Calgary	7	Priority-based strategy with focus on early development and risk
Surrey	5	Focus on early development
Fredericton	7	Focus on early development

7-Year Pruning Cycle Length – Program Costs

A proactive 7-year cycle pruning program would require 21,000 trees to be inspected and pruned annually.

Year	2022*	2023	2024	2025
Operating	\$148,000	\$338,000	\$338,000	\$338,000
Capital	\$35,000			
Total	\$183,000	\$338,000	\$338,000	\$338,000
Cycle	18 – 14 Year Cycle	14 Year Cycle	10 Year Cycle	7 Year Cycle

* Note; 2022 doesn't require an operating ask of \$338,000 as Forestry was able to secure grant funding.



Thank You.





Kleinburg-Nashville Heritage Conservation District Study & Plan Part 2 - The Plan Update

Committee of the Whole – Working Session

September 15, 2021

COMMUNICATION C2

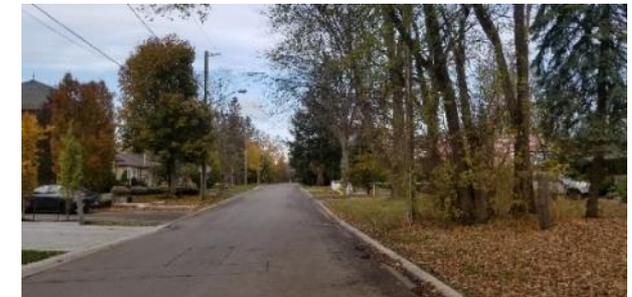
ITEM NO. 3

**COMMITTEE OF THE WHOLE
(WORKING SESSION)**

September 15, 2021

Agenda

1. Introductions
2. Project Progress
3. Purpose of the Update
4. Study Outcomes
5. Key Updates – The Plan (2003 to 2021)
6. Next Steps
7. Questions / Discussion



A street scene in a town with various buildings, trees, and a sidewalk. The scene is captured from a street-level perspective, looking down a road. On the right side, there is a prominent three-story blue house with white trim and a porch. Further down the street, there are other buildings, including a brick one and a white one. Trees with autumn foliage are scattered throughout the scene. A sidewalk runs along the right side of the road, and a street lamp is visible in the middle ground. The sky is overcast with grey clouds. A semi-transparent grey banner is overlaid across the bottom third of the image, containing the text "Introductions".

Introductions

Project Team

- **City of Vaughan**
 - Nick Borcescu, B Arch., CAHP, MRAIC, Senior Heritage Planner
- **Consultant Team**
 - **Dillon Consulting Limited**
 - Melissa Kosterman, Planner, RPP, MCIP
 - **Archaeological Research Associates Ltd.**
 - Kayla Jonas Galvin, MA, MCIP, RPP, CAHP
 - **Architects Rasch Eckler Associates Ltd.**
 - David Eckler, Architect ***Not in attendance.*



Project Progress

Milestones

- **KNHCD Part 1 – The Study** – *Completed*
- Online public consultation / comments - *Completed*
- **KNHCD – Part 2 – The Plan** – *FINAL DRAFT Completed*



A photograph of a house with a large tree in autumn and a tall evergreen tree on the right. The house is a two-story structure with a gabled roof and a porch. The large tree on the left has vibrant orange and yellow leaves, while the tall evergreen on the right is dark green. The sky is clear and blue. A semi-transparent white banner is overlaid across the middle of the image, containing the text "Purpose of the Update".

Purpose of the Update

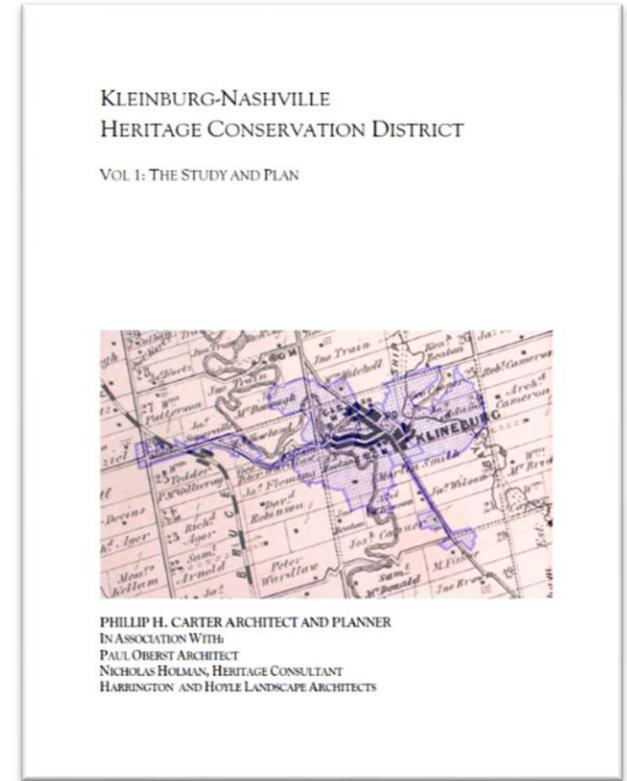
KNHCD Designation

- In 2001, on the recommendation of Heritage Vaughan, Council enacted By-law 468-2001 to define an area to be examined for future designation of the whole or any part of such area, as a Heritage Conservation District Study under Part V, Section (40) 1 of the *OHA*
- In 2003, By-law 183-2003 designated the district
- In 2003, By-law 184-2003 included the Kleinburg-Nashville Heritage Conservation District and Plan, as well as a Heritage Character Statement
- In 2003, By-law 268-2003 passed on August 25, 2003 added an additional 6 properties on Windrush Road



Purpose of the 2003 KNHCD Study Update

- Build upon the 2003 KNHCD Study & Plan's past successes
- Respond to a changing legislative environment and provincial and municipal policy frameworks
- Evolve the plan to respond to recent challenges within the HCD
- Identify planning tools that can strengthen the heritage conservation of the HCD
- Identify potential CHLs and contributing heritage resources in the HCD
- Integrate the community's long-term vision





Section 3 – Study Outcomes

Key Outcomes from Part 1 – The Study

- **Overview**

- Analysis and recommendations for policy changes for alignment purposes.
- In depth analysis and inventory of Contributing, Non-contributing properties, and miscellaneous style within the HCD.
- Introduction of Cultural Heritage Landscapes and Viewsheds concepts for inclusion in Part 2 – The Plan.
- Update to the HCD boundary.



Key Outcomes from Part 1 – The Study

- **Key Directions**

- Strengthening heritage protection;
- Updates responding to Bill 108;
- Recommendations for update to Vaughan’s OP and ZBL for compatibility with KNHCD;
- Adopting terms ‘Contributing’ and ‘Non-contributing’ with guidelines for each;
- Updates for appropriate building materials /exterior components;
- Include Tree protection guidelines;
- Update guidelines for streetscape/built form/urban design;
- Include CHLs and Viewscales;
- Develop checklists for proposed projects;
- Update HCD Boundary; and,
- Statement of Significance and heritage attributes: Include in The Plan and update and include in the KNHCD By-law.



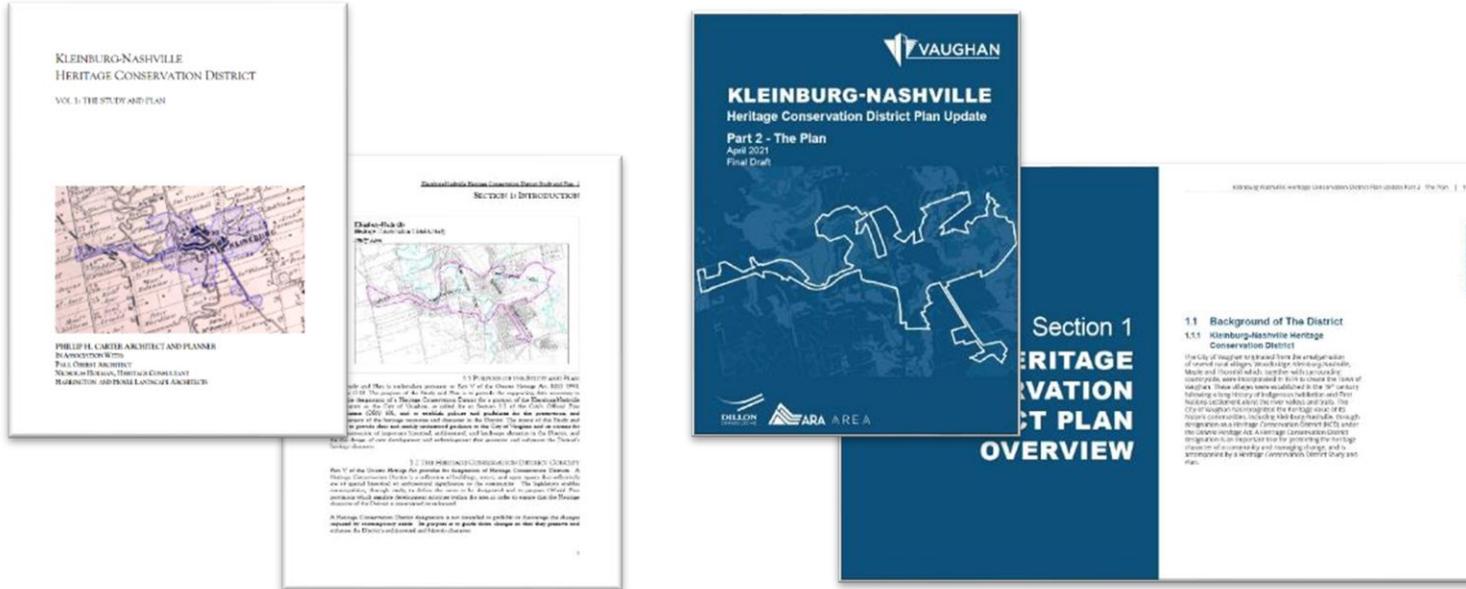


Key Updates – The Plan (2003 to 2021)

*Main Street,
Kleinburg, Ont.*

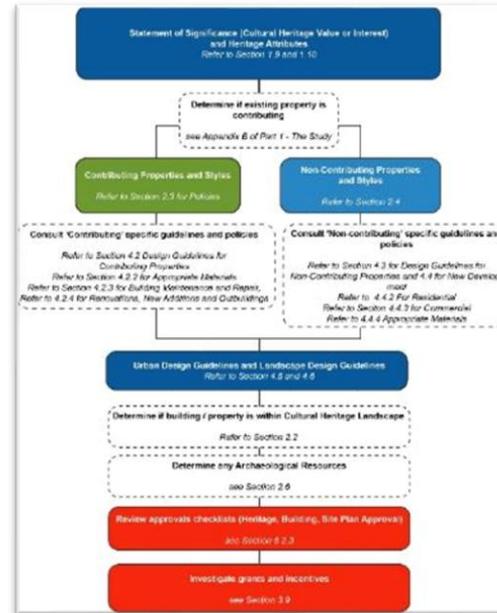
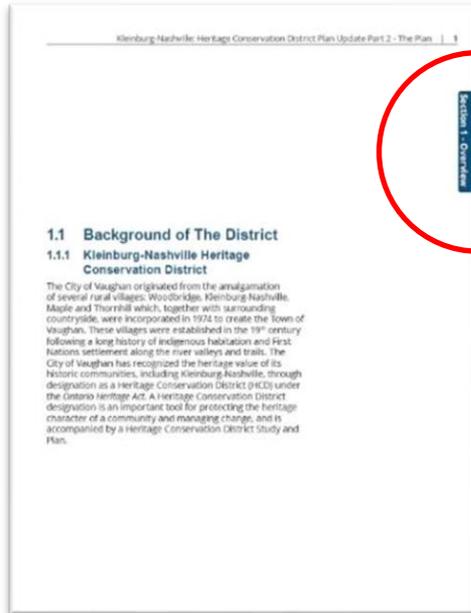
Key Updates – What’s Changed

- Visually improved, final product to be accessible.



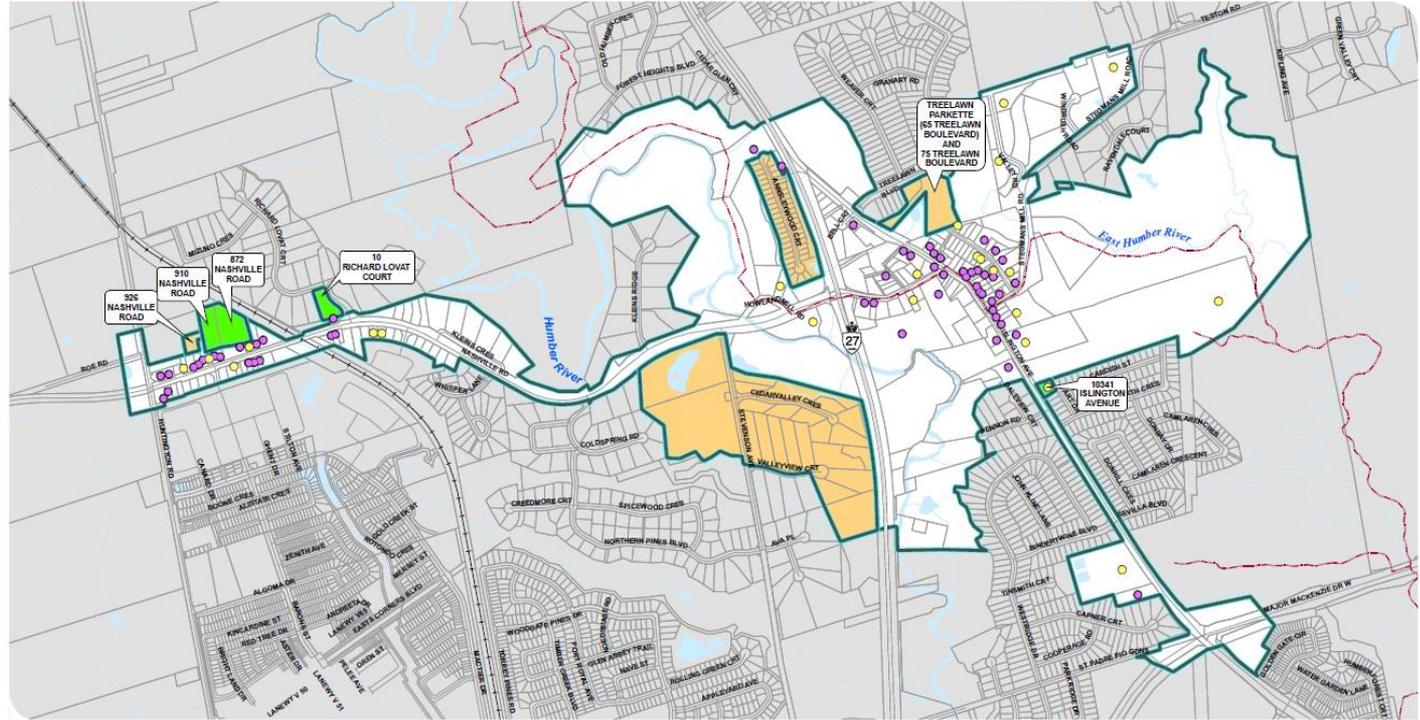
Key Updates – What’s Changed

- **Easier to use /navigate**



Key Updates – What’s Changed

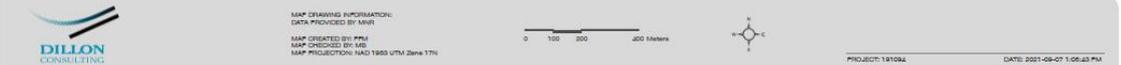
- **Revised Boundary**



KLEINBURG-NASHVILLE HERITAGE CONSERVATION DISTRICT PLAN

FIGURE 1

REVISED KNHCD BOUNDARY



Key Updates – What's Changed

- **Improved flow and more detailed guidelines:**
 - 4.2 Design Guidelines for Contributing Properties
 - 4.3 Design Guidelines for Non-Contributing Properties
 - 4.4 Design Guidelines for New Development
 - 4.5 Urban Design Guidelines
 - 4.6 Landscape Design Guidelines: General Approach to Plantings and Vegetation



Key Updates – What’s Changed

- **Direction for design with explanations and diagrams.**

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4.2.4.2 New Additions To Heritage Buildings

New attached additions to heritage buildings should be designed to complement the design and not to overwhelm the heritage character of the original building. Consideration should be given to its relationship with the heritage building as well as the historic district.

The construction of an exterior addition in an historic building may seem essential for a proposed new use. A new addition should be proposed only after it is determined that the needs cannot be met on another site or by altering secondary, non character defining interior spaces. For any new proposed addition to an existing heritage building the following general guidelines must be considered:

General Guidelines for New Additions To Heritage Buildings

- If possible, avoid new additions if the needs can be met by altering a secondary non character-defining space.
- An addition should be designed so that the heritage value of the historic place is not impaired and its character-defining elements are not obscured, damaged or destroyed.
- The addition should be physically and visually compatible with, subordinate to, and distinguishable from the historic place.
- Apply principles of minimal intervention, compatibility and reversibility regardless of size.

The following sections provide more detailed and specific guidelines for the maintenance and appropriate addition to heritage buildings in Kleinburg-Nashville HCD.

Site Planning

- Location of the proposed addition is a key consideration for the complementary additions to heritage buildings. Usually, additions should be located at the rear of the original building or, if located to the side, be set back from the street frontage of the original building.
- Additions to heritage buildings on corner lots shall be designed to present a heritage-friendly face to the flanking street.

123 | Kleinburg-Nashville: Heritage Conservation District Plan Update Part 2 - The Plan

Section 4 - Guidelines

Image 42. Configurations for appropriate additions. Source: Buttonville Heritage Conservation District Plan (9.2.5. Additions to Heritage Buildings)

28 Standard 11 (2010), Standards and Guidelines for the Conservation of Historic Places in Canada, Second Edition, Canada's Historic Places, Ottawa



Key Updates – What's Changed

- **Discussion of appropriate and inappropriate new technologies and materials.**
 - Integration of accessibility
 - Energy efficiency
 - New appropriate materials in HCDs
 - Windows
 - Siding
 - Masonry trims
 - Repointing



Key Updates – What’s Changed

- **Enforcement of Design and Architectural Guidelines**
 - Implementation of Heritage Building Protection Plans/ Vacant Building By-laws, Minimum Maintenance (Property Standards) By-laws;
 - Formation of a local HCD advisory committee which would include volunteers who would not be resourced from the City;
 - Preparation of General Review Reports to HV & Staff at 50% & 90% work completion by HV/ Architect/ Heritage Consultant;
 - More avenues of connecting with Heritage Staff and educating the residents, property owners;
 - Heritage Permit Applications, already outlined in the HCD Plan & to be accompanied by Commitment to General Review (CGR) form signed by Architect/Heritage Consultant (Similar to BPA).



Key Updates – What’s Changed

- Checklists

<p>198 Kleinburg-Nashville: Heritage Conservation District Plan Update Part 2 - The Plan</p> <p>5.2.3 Application Checklists</p> <p>The following checklists are provided to assist applicants in obtaining permits, and to assist staff in conducting pre-review and evaluating the applications.</p> <p>5.2.3.1 Heritage Permit Checklist</p> <p>For minor work, not ordinarily requiring a Building Permit:</p> <table border="1"> <thead> <tr> <th>ITEM</th> <th>COMPLETED?</th> </tr> </thead> <tbody> <tr> <td>Inspect the property description in Appendix A - Architectural Styles Inventory - List of Contributing and Non-Contributing Properties. Make note of any comments that indicate needed maintenance and repair. Proper maintenance and repair is the primary means of protecting the heritage character of the District. Applicants are strongly encouraged to include necessary maintenance tasks at the first opportunity.</td> <td>Yes or No</td> </tr> <tr> <td>If the building is part of a “block” of similar or identical properties originally built as a unit, show a colour photograph of the existing condition. Applicants are encouraged to undertake work on such buildings in a way that enhances the unity of the block.</td> <td>Yes or No</td> </tr> <tr> <td>Show results of any historical research. For example: provide a chip of original paint, if possible, when repainting; or provide copies of historic drawings or photographs when replacing or restoring elements such as windows, signs, and awnings.</td> <td>Yes or No</td> </tr> <tr> <td>Read and understand any required technical material. 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Section 5 - Implementation





Next Steps

Next Steps

- Committee of the Whole approval;
- Final minor revisions and accessible formatting; and,
- Submission of Final KNHCD Plan Update





Questions / Discussion



Thank you.

CONTACT

Email: KleinburgNashville@vaughan.ca

Website: Vaughan.ca/KleinburgNashville



COMMUNICATION C3

ITEM NO. 1

COMMITTEE OF THE WHOLE
(WORKING SESSION)

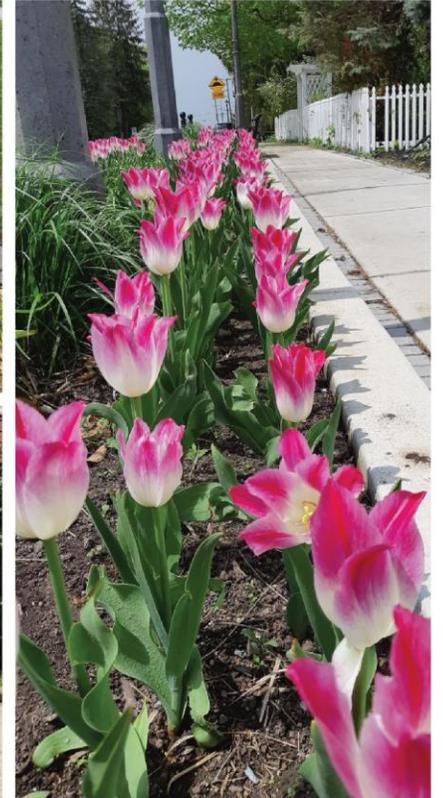
September 15, 2021

Beautification Strategy 2.0

A BEAUTIFUL EXPERIENCE, CONTINUED

VAUGHAN CITY HALL

Beautification is...



The process of making **visual improvements** to Vaughan through the placement of **flowers, ornamental grasses, trees and shrubs in beds, planters and hanging baskets.**

A Renewed Resident Experience



NEW Classifications and Service Levels

- Data driven
- Public engagement
- Council input



NEW Sustainable Horticulture Program

- Growing perennial-based gardens



NEW Sponsorship Program

- Offset operating costs

Service Culture



Effective Operational Management

- Preventive service delivery models in 2022
- Dedicated community gardeners



Standardized Smart Technologies

- Increased plant health
- Less failures
- \$110,000 annual savings



Sustainable Plant Material

- Increase plant inventory
- Three-year RTI
- Current savings \$10,000 annually



Sponsorship Program

- Offset operating costs
- \$38,000 in year 1 sales

Municipal Scan

Review of Brampton, Richmond Hill and Markham



40%

of peer municipalities
have defined/established
service levels



100%

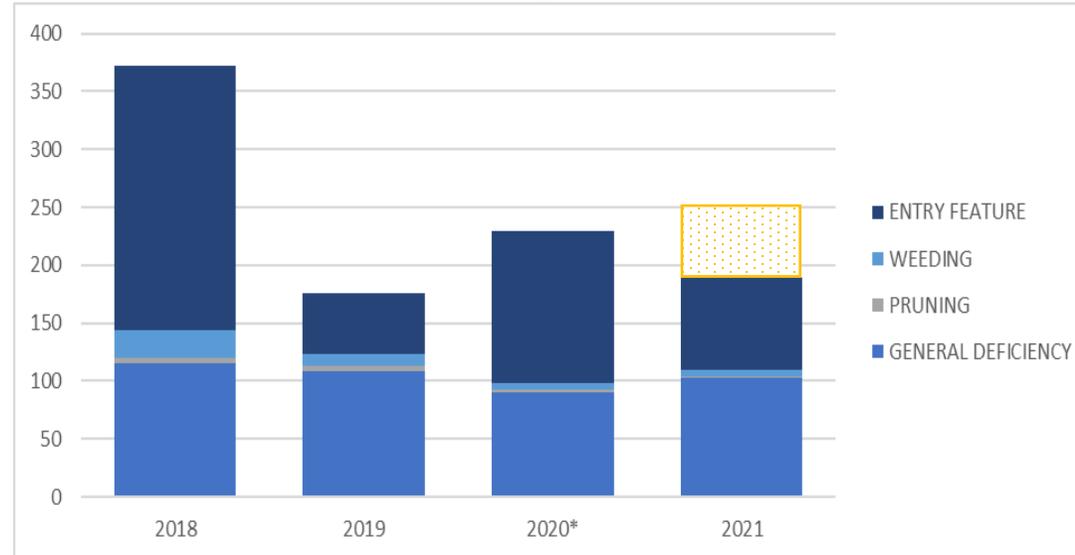
of peer municipalities
have higher services
levels than Vaughan
in weeding



Vaughan **is comparable**
to peer municipalities
in pruning and
mulching frequencies

Citizen Engagement: Results

“What we’re hearing”



Citizens want to see
AN INCREASE
 in perennial plantings,
 with the inclusion of
pollinator-friendly
plants.

10%

of residents indicated
 being **completely**
satisfied with current
 maintenance standards



Beautification efforts
SHOULD FOCUS ON
 entrances to neighbourhoods
 and boulevards parallel
 to roadways



71% of citizens felt
Grow with Vaughan
 is a **GREAT COST OFFSET**

Service Quality

Current service levels and performance

CURRENT CLASSIFICATION	WEEDING		PRUNING AND MULCHING		CITIZEN EXPECTATIONS MET
	Service Level	Performance	Service Level	Performance	
Premium	Six times per season	✓	Yearly	✓	✓
Enhanced	Three times per season	✓	Every two years	✓	✗
Standard	Twice per season	✓	Every two years	✓	✗
Basic	Once per season	✗	Every three years	✗	✗



Recommendation

CURRENT CLASSIFICATION	WEEDING		CLASSIFICATION	MATERIALS	WEEDING	IMPACT OF MAINTENANCE
	Service Level	Performance				
Premium	Six times per season	✓	Significant City Sites	<ul style="list-style-type: none"> • Native trees • 20% perennials and grasses • 70% annuals • 10% shrubs • Planters 	Twelve times per season	N/A
Enhanced	Three times per season	✓	Neighbourhood Entrances and Community Hubs	<ul style="list-style-type: none"> • Native trees • 60% perennials and grasses • 20% annuals • 20% shrubs 	Six times per season	200% increase
Standard	Twice per season	✓				
Basic	Once per season	✗	Boulevards and Side Streets	<ul style="list-style-type: none"> • Native trees • Turf • Shrubs (where existing) 	Three times per season	200% increase
			Medians and Roundabouts	<ul style="list-style-type: none"> • Pollinator-friendly plants • Ground cover plants 	Once per season	N/A



Responsiveness to our residents.

Resources and Implementation

ITEM	FINANCIAL IMPACT 2022	FINANCIAL IMPACT 2023	FINANCIAL IMPACT 2024
NET NEW CAPITAL: Materials and Equipment (vehicles and perennial plant material)	\$140,000	\$60,000	\$60,000
NET NEW OPERATING: Labour (ongoing)	\$207,500	\$207,500	\$207,500
TOTAL PER YEAR	\$207,500	\$415,000	\$622,500



Resources and Implementation

Rejuvenating sites to meet classifications

PHASE 1: BEGINNING 2022

- Neighbourhood Entrances and Community Hubs
- Medians and Roundabouts

PHASE 2: BEGINNING 2025

- Boulevards and Side Streets





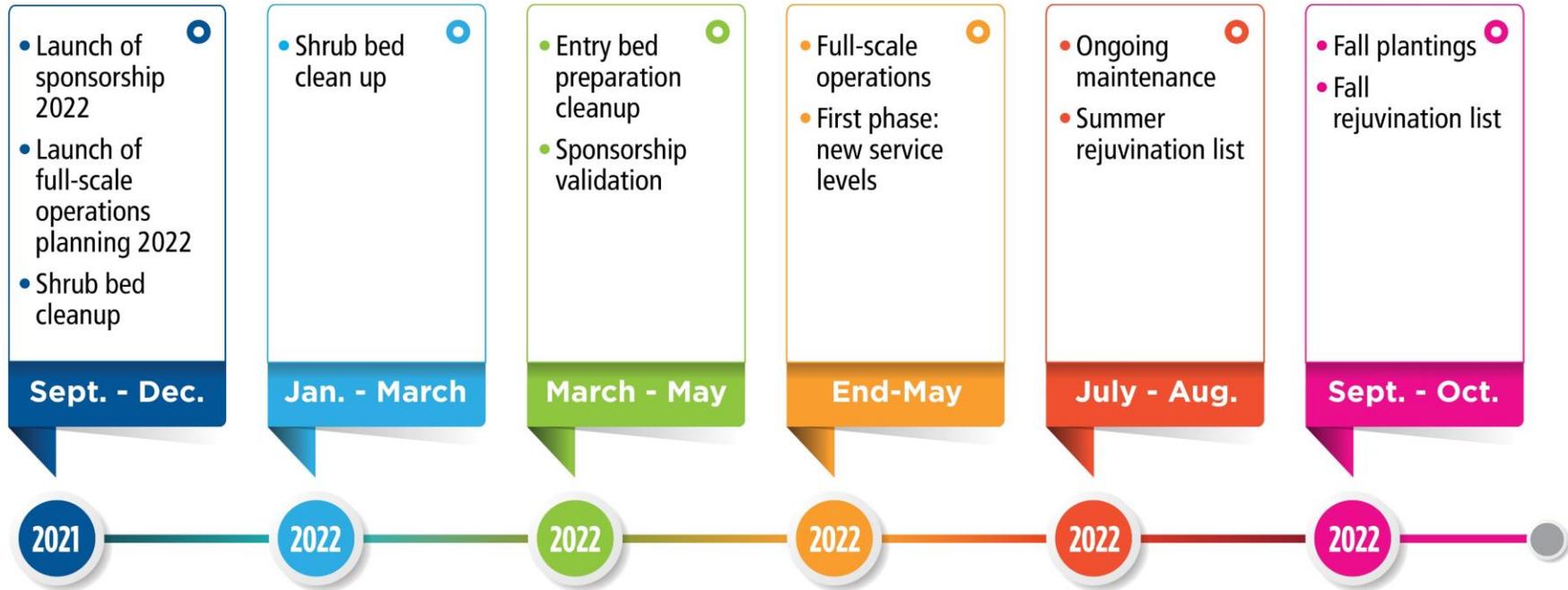
Vaughan... A Beautiful City



Moving forward...

Horticulture operations update to Council

- ✓ Full inventory list
- ✓ Rejuvenation list
- ✓ Preventative maintenance schedule





Thank You.



COMMUNICATION C4

ITEM NO. 1

**COMMITTEE OF THE WHOLE
(PUBLIC MEETING)**

September 15, 2021

13 September 2021

Re: Horticultural issues in Kleinburg

Ongoing issues for the Village appear to be parking, traffic, garbage and horticulture. This letter will address the horticulture issues. I also would like to recognize that this is a COVID-19 year so am taking that into account but some of the issues have been longstanding ones too.

- 1) In this area there are two issues to be addressed. The allowing of contractual signs to continue to be on site long after a project has been undertaken and completed. For example, the entrance to Kleinburg Summit off Stegman's Mill Road has three large signs in the middle of what originally were some planted trees. The second part of the issue is that the area has been allowed to overgrow to such an extent that one can barely see the trees any longer plus the trees have not been tended to once planted so at least half are dead.
- 2) The hanging planters in Kleinburg this summer were dreadful, a total lack of initiative by whomever planted them – when one sees what past years we have been privileged to have and compares to this year – the comparison is not attractive.
- 3) The entrance to the Binder Twine park area – the flower bed and sign were removed at the beginning of the summer and they are still not repaired and back in situ – I gather they are to be returned the first week of October but surely it does not take four months to reconstruct a flower bed and restore a sign.
- 4) The entrance to Kleinburg from Islington and Major Mackenzie – a couple of years ago I attended the 'opening' of this area and the plantings were beautiful, something to be so proud of. Driving by the other day one now sees an overgrown bed plus it appears that a tractor has driven through the middle of the area leaving a swath of barren dirt.
- 5) So many of the plantings which were done along Islington as part of the Streetscape initiative have died – why were not water bags put on them when they were being planted. Whereas the hanging baskets in the Village are watered regularly, it appears the trees were not tended to in the same way.

This is all very discouraging as a resident and I can only imagine the impression people have driving into our Village for the first time. I could go on citing other areas of concern however by now my hope is that by bringing these instances to your attention a plan could be created for planting plus upkeep in future years.

Once again, I do recognize that this was a year where all worked under different and abnormal circumstances however I would have thought outdoor work – being deemed safer – would not have been compromised.

Kathryn Angus