

ONLINE PUBLIC OPEN HOUSE

Downtown Street Trees, Cayuga, ON

November 7th, 2023, 7:00pm



pl.ural



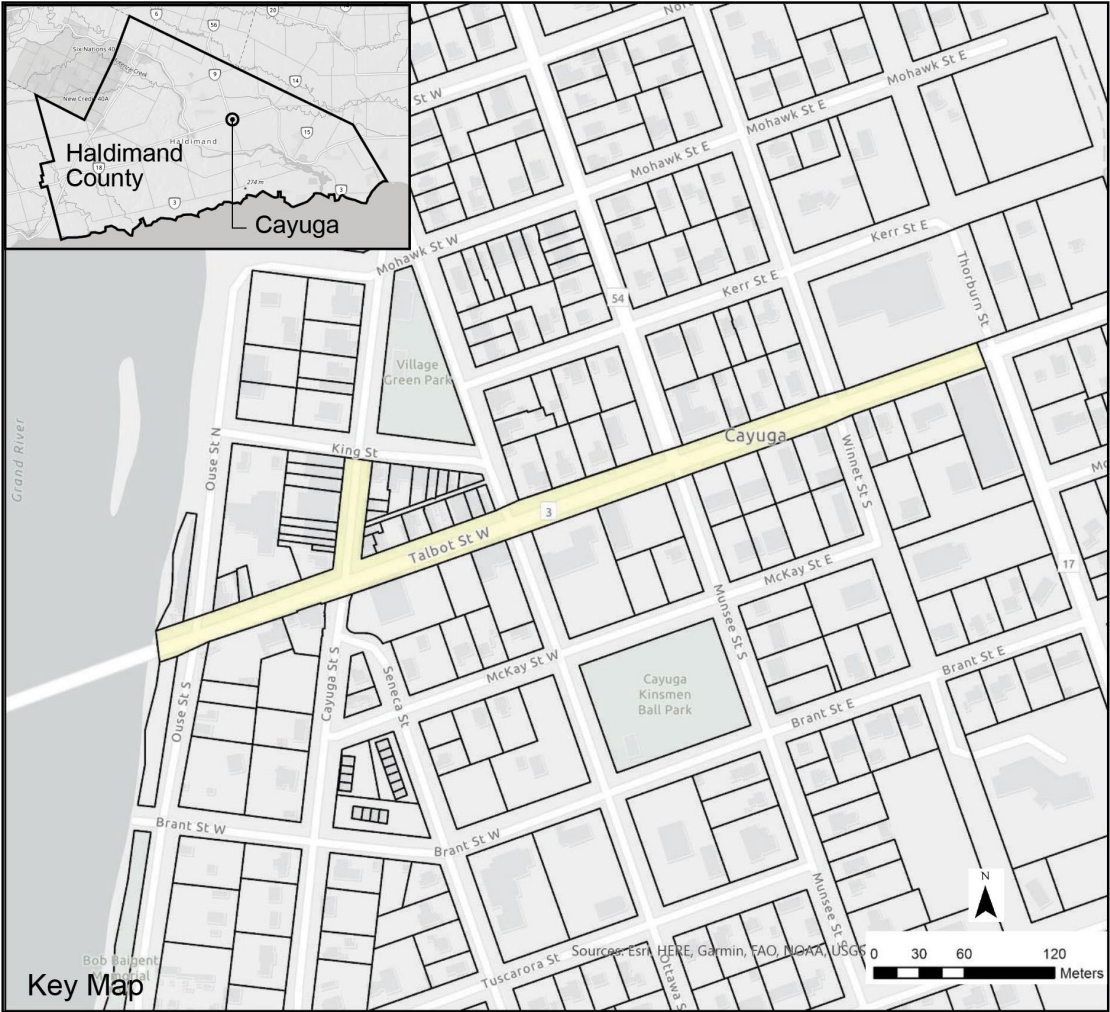
ONLINE PUBLIC OPEN HOUSE OBJECTIVES

- 1 Street Tree Improvement Area**
- 2 Project Purpose**
- 3 An Opportunity for Cayuga**
- 4 What Can be Done? (Approaches)**
- 5 Project Inputs**
- 6 Current Experience - Street Trees, Downtown**
- 7 Considerations**
- 8 Recommendations**

The purpose of this Online Public Open House is to invite the Cayuga community with an introduction to the Downtown Street Tree improvement process, existing conditions, alternative solutions and provide an opportunity for input and comments.

If you have any questions, comments, or require additional information, please contact Sean Kelly of Pl.ural (SKA Design) at sean@ska-plural.ca.

STREET TREE IMPROVEMENT AREA



Cayuga is a community located in Haldimand County Canada located at the intersection of Highway 3 and Munsee Street and along the Grand River. The project area is illustrated on the adjacent key map. The downtown street tree improvement work for Caledonia includes downtown portions of Talbot St W and Cayuga St N.



PROJECT PURPOSE

In Haldimand County, previous tree planting and management approaches have resulted in limited success with the downtown street trees. Currently, the downtown areas are experiencing tree loss, voids (missing trees) within the streetscape, unmaintained tree hardware (tree guards and grates), and in general, missed opportunities for inclusion of additional trees. Unfortunately, this has limited important socioeconomic and environmental benefits that a robust street tree program can provide to the community and its guests.

Haldimand County's Forest Strategy and Management Plan identifies the goal of transitioning towards proactive tree establishment and replacement, applying the right place principle and using new technologies in selected areas for the integration of trees within hardscape such as downtown cores.

THE OPPORTUNITY FOR CAYUGA'S DOWNTOWN



Within this project, Haldimand County is identifying and assessing alternative solutions and determining a preferred street tree approach for Cayuga's downtown core area.

APPROACHES, WHAT CAN BE DONE?

In addressing the opportunity, several approaches have been considered:

Approach 1: Do Nothing

Existing trees to remain, no replacement.

Approach 2: New Trees, Same Locations

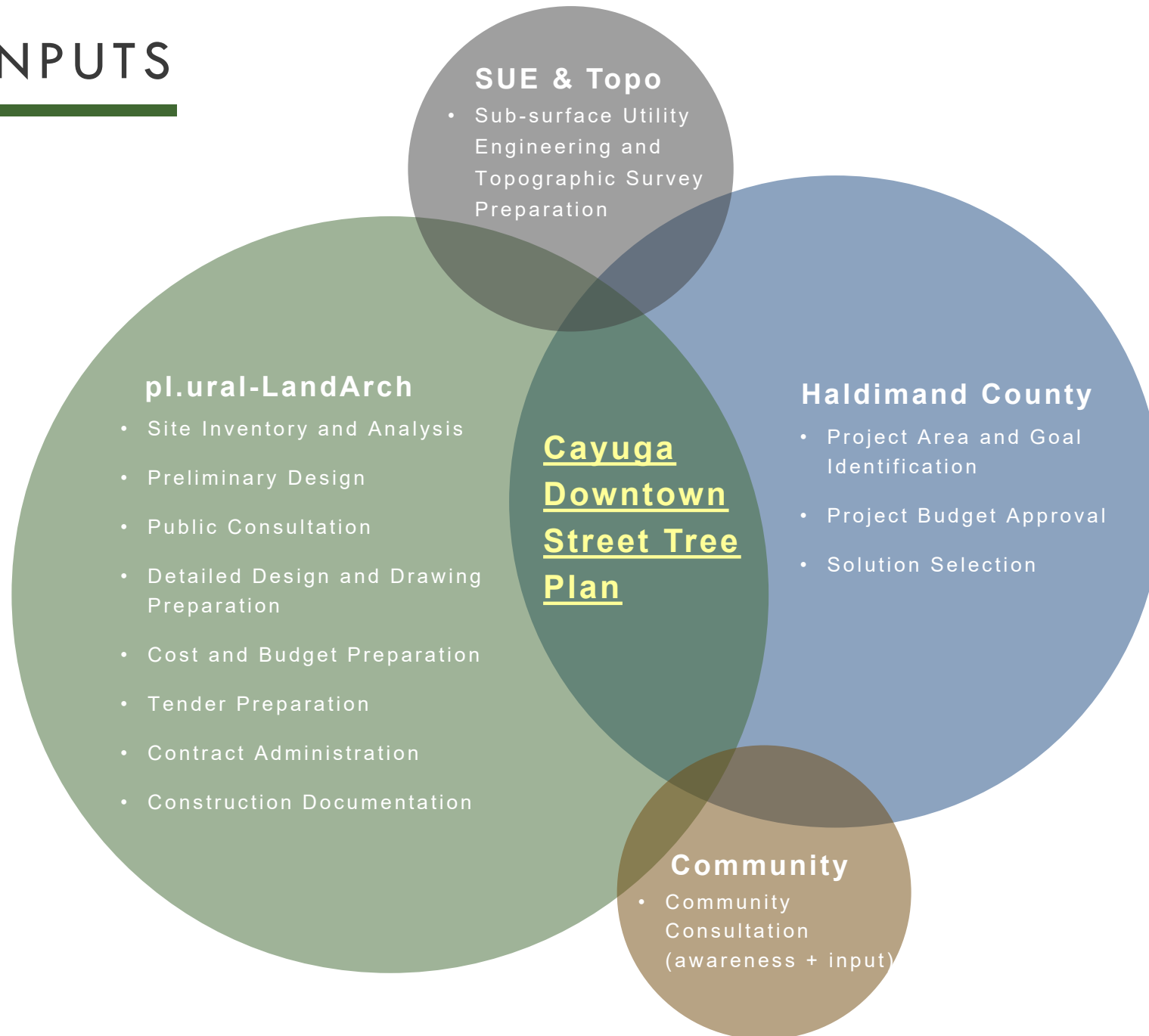
Remove and replace declining street trees, in their current locations, with new trees; install new trees in vacant former street tree locations utilizing existing planter pits and hardware.

Approach 3: Implement a New Street Tree Planting Plan

Assess existing street tree conditions and identify the existing planter pits that require hardware replacement. Introduce appropriate new trees, replace damaged tree hardware and employ latest industry specifications for tree planter pits, hardware and tree viability.



PROJECT INPUTS



THE CURRENT EXPERIENCE - STREET TREES, DOWNTOWN CAYUGA

Tree Pit Treatment – Tree Grates and Guards



THE CURRENT EXPERIENCE - STREET TREES, DOWNTOWN CAYUGA

Existing Street Trees in Declining Conditions



WHAT WE CONSIDER



TREE PIT STRUCTURE

- Health of Trees
- Tree Hardware (Tree Guard and Grate)
- Integration with Existing Sidewalk/Curbs
- Maintenance



ENVIRONMENTAL

- Canopy Cover
- Human Comfort (Exposure to Sun, Wind and Traffic)
- Biodiversity



SOCIO-ECONOMIC

- Downtown Desirability
- Support for Local Business
- Complementing Built & Cultural Heritage Features



IMPLEMENTATION

- Impacts of Construction
- Maintenance



COST

- Capital Cost
- Operational and Maintenance Cost

RECOMMENDATIONS

17

Existing Trees in Total

5

Existing Trees (to Remain) in Total

14

New Trees in Total

19









Trees (Including Existing and New Trees) in Total

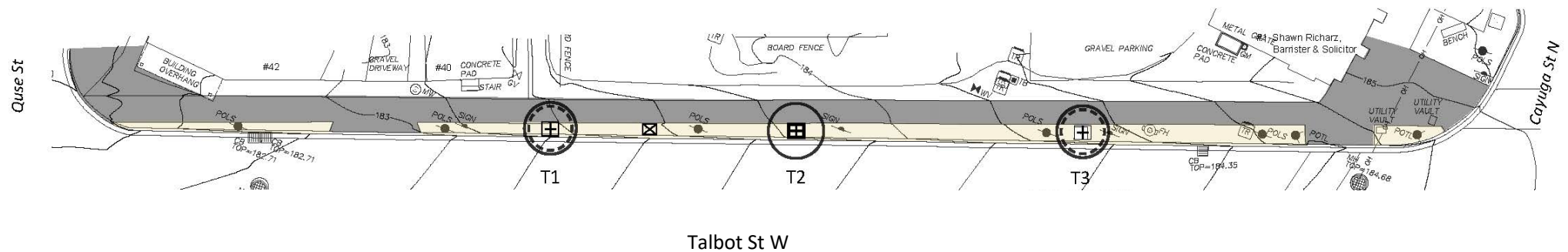
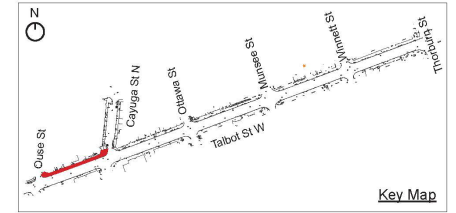
RECOMMENDATIONS

Talbot Street W, North Side - A

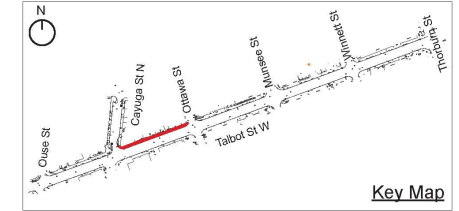
The number of existing trees: **0**
 The length of the street: **100m**
 The number of proposed street trees: **3**
 The total number of street trees: **3**

Legend

-  Ex. Tree Pit to be Removed
-  Ex. County Tree and Pit to Remain
-  Ex. County Tree to Remain with Ex./Upgraded Pit
-  Ex. County Tree and Pit to be Removed
-  Ex. County Tree to be Replaced with Ex./Upgraded Pit
-  Proposed Tree
-  Proposed Tree with New Pit
-  Proposed Tree with Ex./Upgraded Pit










RECOMMENDATIONS

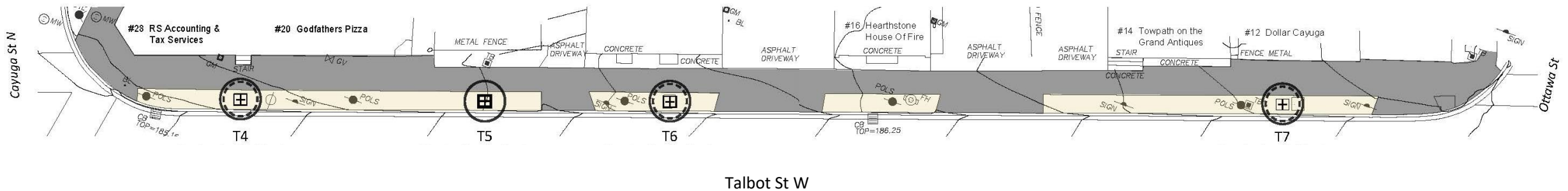
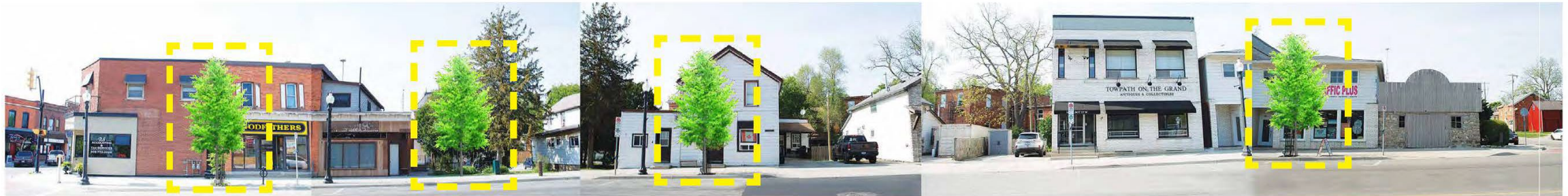


Talbot Street W, North Side - B

The number of existing trees: 0
 The length of the street: 108m
 The number of proposed street trees: 4
 The total number of street trees: 4

Legend

-  Ex. Tree Pit to be Removed
-  Ex. County Tree and Pit to be Removed
-  Proposed Tree
-  Ex. County Tree and Pit to Remain
-  Proposed Tree with New Pit
-  Ex. County Tree to Remain with Ex./Upgraded Pit
-  Proposed Tree with Ex./Upgraded Pit



RECOMMENDATIONS

Talbot Street W, North Side - C

The number of existing trees: 1

The length of the street: 110m


The number of proposed street trees: 2


The total number of street trees: 3


Legend

 Ex. Tree Pit to be Removed

 Ex. County Tree and Pit to Remain


 Ex. County Tree to Remain with Ex./Upgraded Pit

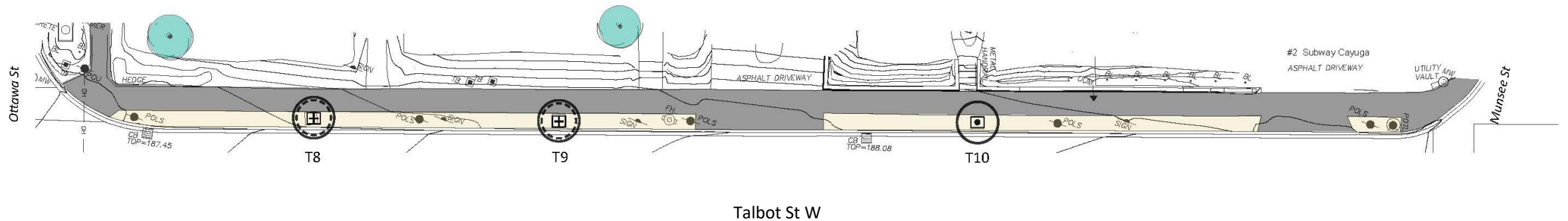
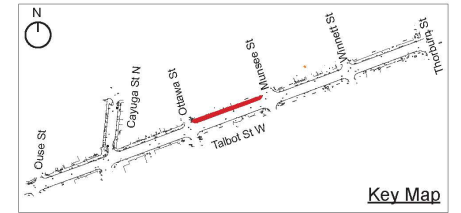
 Ex. County Tree and Pit to be Removed

 Ex. County Tree to be Replaced with Ex./Upgraded Pit

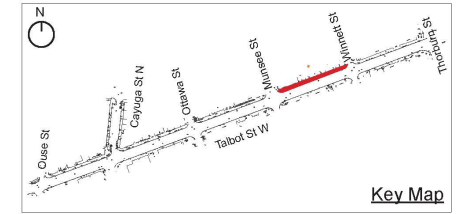
 Proposed Tree

 Proposed Tree with New Pit

 Proposed Tree with Ex./Upgraded Pit











RECOMMENDATIONS

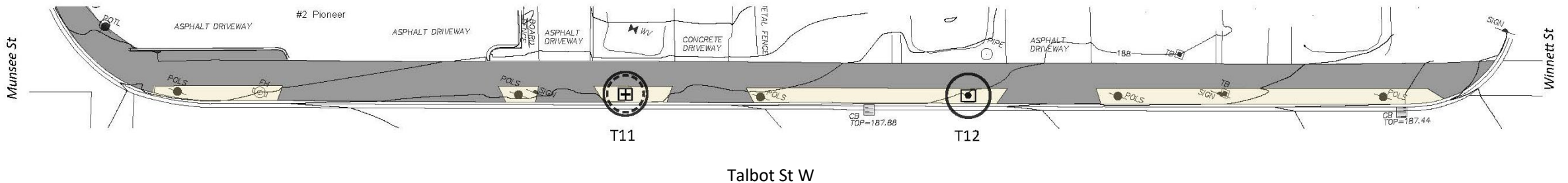


Talbot Street W, North Side - D

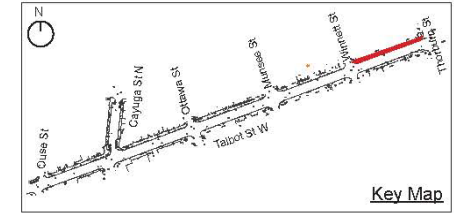
The number of existing trees: 1
 The length of the street: **105m**
 The number of proposed street trees: 1
 The total number of street trees: 2

Legend

-  Ex. Tree Pit to be Removed
-  Ex. County Tree and Pit to Remain
-  Ex. County Tree to Remain with Ex./Upgraded Pit
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RECOMMENDATIONS

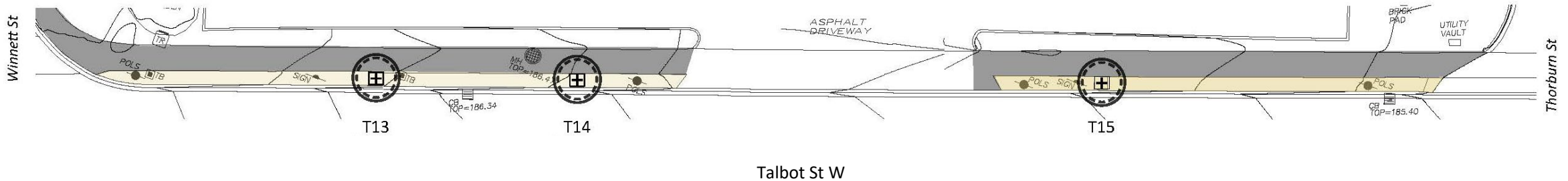


Talbot Street W, North Side - E

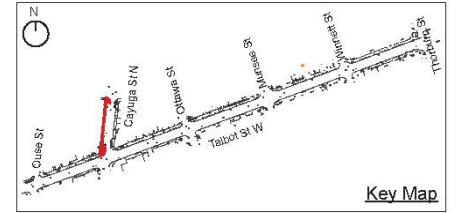
The number of existing trees: **0**
 The length of the street: **110m**
 The number of proposed street trees: **3**
 The total number of street trees: **3**

Legend

-  Ex. Tree Pit to be Removed
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RECOMMENDATIONS

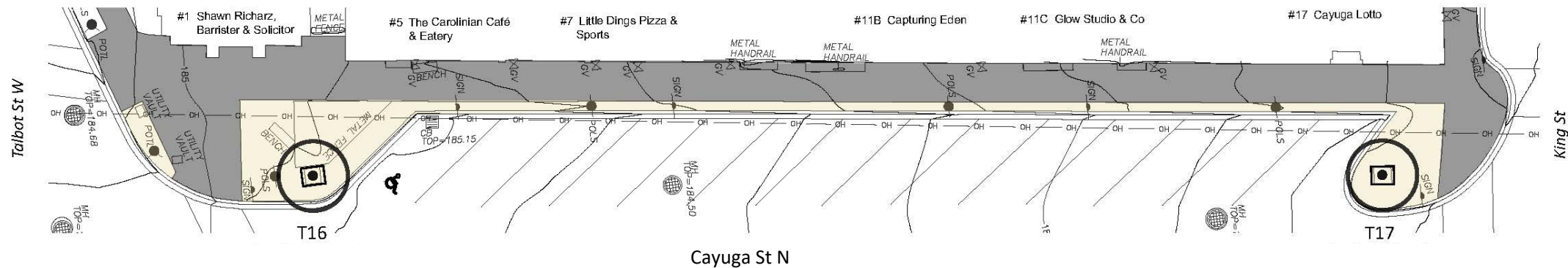


Cayuga Street N, West Side

The number of existing trees: **2**
 The length of the street: **86m**
 The number of proposed street trees: **0**
 The total number of street trees: **2**

Legend

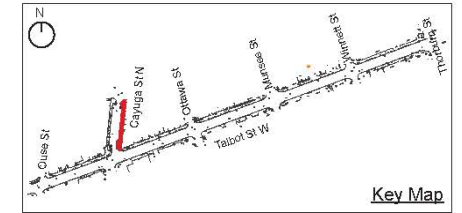
- Ex. Tree Pit to be Removed
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- Ex. County Tree and Pit to be Removed
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- Proposed Tree
- Proposed Tree with New Pit
- Proposed Tree with Ex./Upgraded Pit











RECOMMENDATIONS

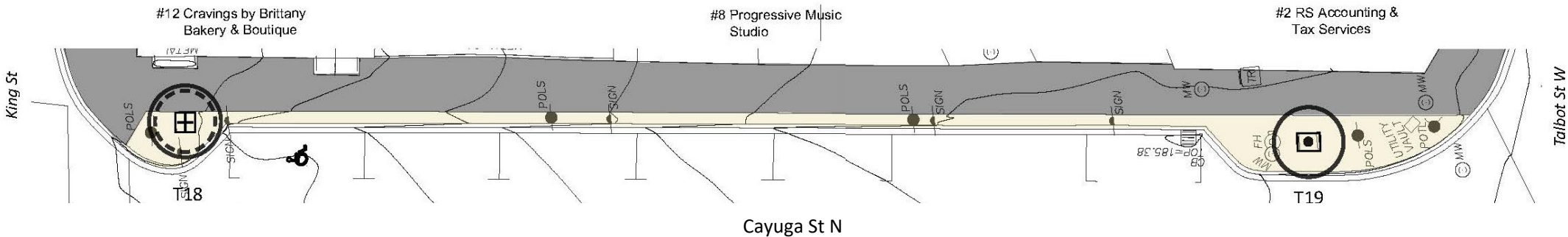
Cayuga Street N, East Side

The number of existing trees: 1
 The length of the street: 86m
 The number of proposed street trees: 1
 The total number of street trees: 2



Legend

-  Ex. Tree Pit to be Removed
-  Ex. County Tree and Pit to Remain
-  Ex. County Tree to Remain with Ex./Upgraded Pit
-  Ex. County Tree and Pit to be Removed
-  Ex. County Tree to be Replaced with Ex./Upgraded Pit
-  Proposed Tree
-  Proposed Tree with New Pit
-  Proposed Tree with Ex./Upgraded Pit



RECOMMENDATIONS

Finished Tree Grate



RECOMMENDATIONS

17

Existing Trees in Total

5

Existing Trees (to Remain) in Total

14

New Trees in Total

19

Trees (Including Existing and New Trees) in Total

IF YOU WOULD LIKE MORE INFORMATION, PLEASE CONTACT:

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Please submit any questions or comments directly online, email or by phone to the contacts listed above.

Information will be collected as per the Municipal Freedom of Information and Protection of Privacy Act. Except personal information, all comments will become part of the public record. If you have accessibility requirements to participate in this project, please contact one of the project team members listed above.