



# The Corporation of the Town of Milton

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Report To: Council

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From: Jill Hogan, Acting Commissioner, Development Services

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Date: February 28, 2022

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Report No: DS-012-22

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Subject: Implementation of All-Way Stops - Duncan Lane at Athlone Drive and Yates Drive at Hepburn Road

**Recommendation:** THAT a By-law be enacted to amend the Uniform Traffic Control By-law 1984-1, as amended, to implement all-way stops at the intersections of Duncan Lane at Athlone Drive and Yates Drive at Hepburn Road; (Appendices I, II)

AND THAT Schedule 12 and Schedule 13 of the Uniform Traffic Control By-law be amended accordingly attached as (Appendix III);

AND FURTHER THAT the appropriate by-law be presented to Council for approval.

## EXECUTIVE SUMMARY

This report recommends the implementation of two (2) all-way stop locations:

- Duncan Lane and Athlone Drive
- Yates Drive and Hepburn Road

Over the past few years a number of requests have been received by the Traffic Engineering section requesting all-way stops be installed at the above mentioned intersections. Both intersections are located on collector roads in the proximity to elementary schools. Duncan Lane at Athlone Drive and Yates Drive at Hepburn Road have met warrants for the implementation of all-way stops. These all way stops will assist in making Milton's roads safer for everyone in the community.



## REPORT

### Background

As a result of staff receiving several inquiries over the past years requesting the implementation of an all-way stop at the intersection of Duncan Lane at Athlone Drive and Yates Drive and Hepburn Road, turning movement counts have been conducted at these intersections.

### Discussion

#### Duncan Lane and Athlone All-Way Stop Justification

The intersection of Duncan Lane at Athlone Drive is a three-legged intersection within an urban area. Duncan Lane is a collector roadway running north/south between Holloway Terrace and Holmes Crescent with a posted speed limit of 50 km/h. Athlone Drive is a local roadway running east/west between Scott Boulevard and Duncan Lane, with a posted speed limit of 50 km/h.

As a result of resident requests, the intersection of Duncan Lane and Athlone Drive has been monitored since 2010 and the results were as follows:

Count Date	Part "A" Volume from all Approaches	Part "B" Minor Street Volume Split
October 28, 2010	50%	87%
January 19, 2012	55%	71%
October 27, 2016	79%	57%
September 21, 2021	100%	100%

The warrants consider the overall volume of traffic entering the intersection during the peak traffic times, as well as the volume of traffic and pedestrians generated from the side street. In order for an all-way stop to be warranted by volume, both Parts "A" and "B" must equal 100%. Since both Part "A" and Part "B" of the most recent count equals 100%, this location is warranted for the installation of an all-way stop.

Escarment View Public School is located on Scott Boulevard with flankage on Athlone Drive just west of Duncan Lane. There is a high number of school aged children accompanied by adults crossing at the intersection of Duncan Lane and Athlone Drive. Due to the roadway geometrics at this intersection (curvature of the road) the sight lines are somewhat obstructed. Parked vehicles also add to sightline issues at this intersection as there are a number of vehicles parked during school entrance and dismissal times. As a result of these parked vehicles, an 80m stopping prohibition will be implemented on the east side of Duncan Lane through the intersection. Hatching of some of the existing pavement markings will also be completed in conjunction with installing the No Stopping Anytime signs. This stopping prohibition is covered under the general provisions of Uniform Traffic Control By-law 1984-1.



A three-year collision analysis has been completed and it has been determined that there have been no reported collisions at this intersection.

As a result of both Part “A” and Part “B” of the warrant being fulfilled at the intersection of Duncan Lane at Athlone Drive, staff recommends the installation of an all-way stop. The installation of an all-way stop will provide a protected crossing for the pedestrians and will regulate the right-of-way at the intersection.

#### Yates Drive and Hepburn Road All-Way Stop Justification

The intersection of Yates Drive and Hepburn Road is a four-legged intersection within an urban area. Yates is a collector roadway running north/south from Louis St. Laurent Avenue and runs east/west to Bennett Boulevard with a posted speed limit of 50 km/h. Hepburn Road is a collector roadway running east/west between Gibson Crescent and Bennett Boulevard, with a posted speed limit of 50 km/h.

A manual turning movement count was completed at the intersection of Yates Drive and Hepburn Road during the AM and PM peak periods to determine if an all-way stop is warranted. The results are as follows:

#### All-Way Stop Warrant – Yates Drive and Hepburn Road Count Date: November 16, 2021

Part “A” Volume from all approaches	100%
Part “B” Minor Street Volume Split	100%

The warrants consider the overall volume of traffic entering the intersection during the peak traffic times, as well as the volume of traffic and pedestrians generated from the side street. In order for an all-way stop to be warranted by volume, both Parts “A” and “B” must equal 100%. Since both Part “A” and Part “B” of the most recent count equals 100%, this location is warranted for the installation of an all-way stop.

Tiger Jeet Singh Public School and Our Lady of Fatima Catholic Elementary School are both located just north of Yates Drive and Hepburn Road. Installing an all-way stop will provide a protected crossing for pedestrians and will regulate the right-of-way at the intersection.

A collision analysis has been completed and it has been determined that there has been two (2) reported collisions at this intersection over three years. One collision was a side swipe and the other was an angle collision.

As a result of both Part “A” and “B” of the warrant being fulfilled at the intersection of Yates Drive and Hepburn Road, staff recommends the installation of an all-way stop.



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## Financial Impact

The cost to install the appropriate signage and pavement markings is approximately \$1,200.00 and is provided for within the 2022 Operating Budget.

Respectfully submitted,

Jill Hogan  
Commissioner, Development Services

For questions, please contact:    Heide Schlegl, CET, MITE,    Phone: Ext.  
   Dipl. M.M., Manager, Traffic    2506/2531  
   Jessica Van Ravens  
   Traffic Technician

## Attachments

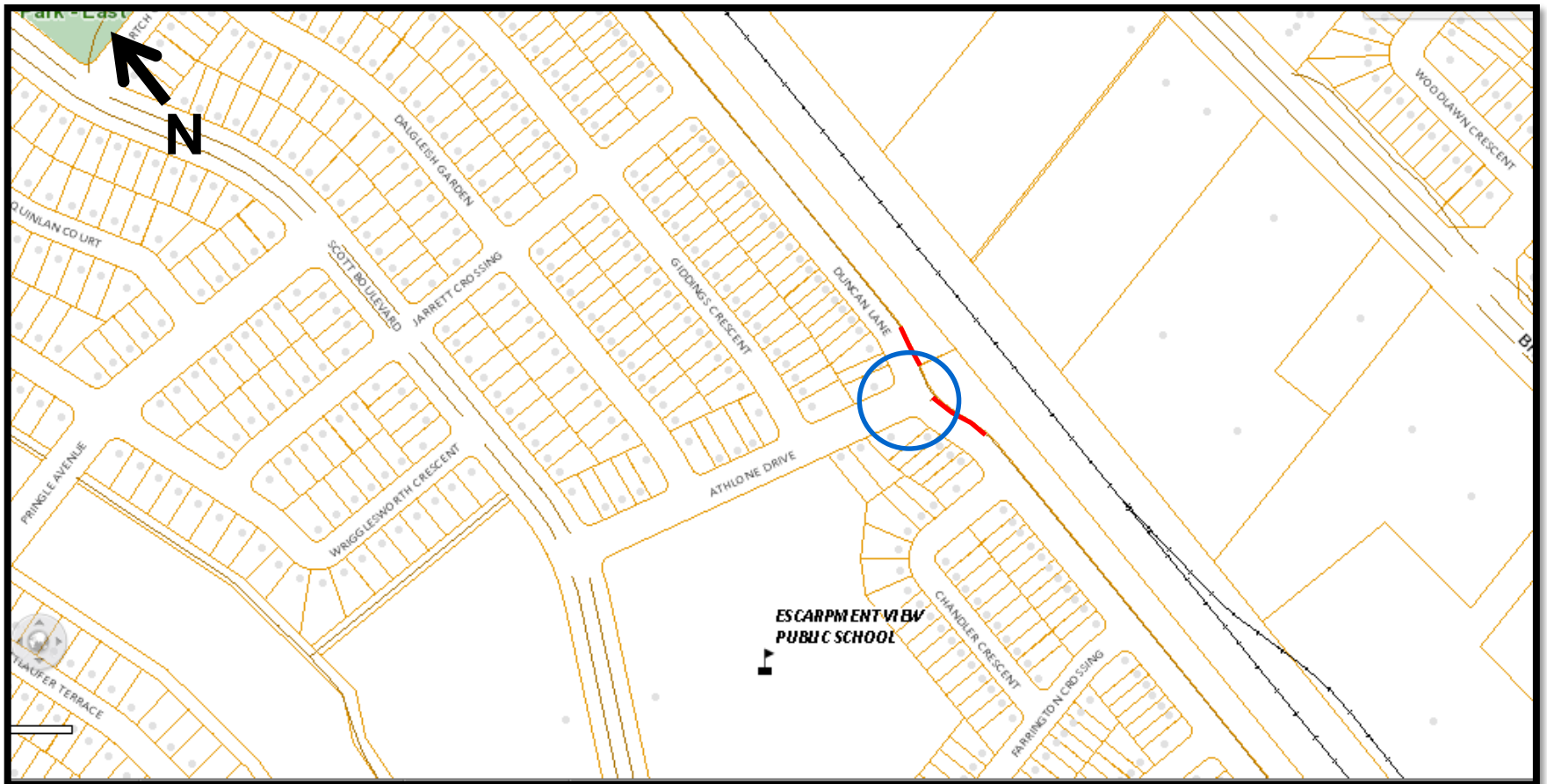
Appendix I - Duncan Lane and Athlone Map Location  
Appendix II- Yates Drive and Hepburn Road Map Location  
Appendix III - Schedule 12 and 13 By-law Amendment

CAO Approval  
Andrew M. Siltala  
Chief Administrative Officer



## Recognition of Traditional Lands

The Town of Milton resides on the Treaty Lands and Territory of the Mississaugas of the Credit First Nation. We also recognize the traditional territory of the Huron-Wendat and Haudenosaunee people. The Town of Milton shares this land and the responsibility for the water, food and resources. We stand as allies with the First Nations as stewards of these lands.

# Duncan Lane and Athlone Drive - All-way Stop and Stopping Prohibitions

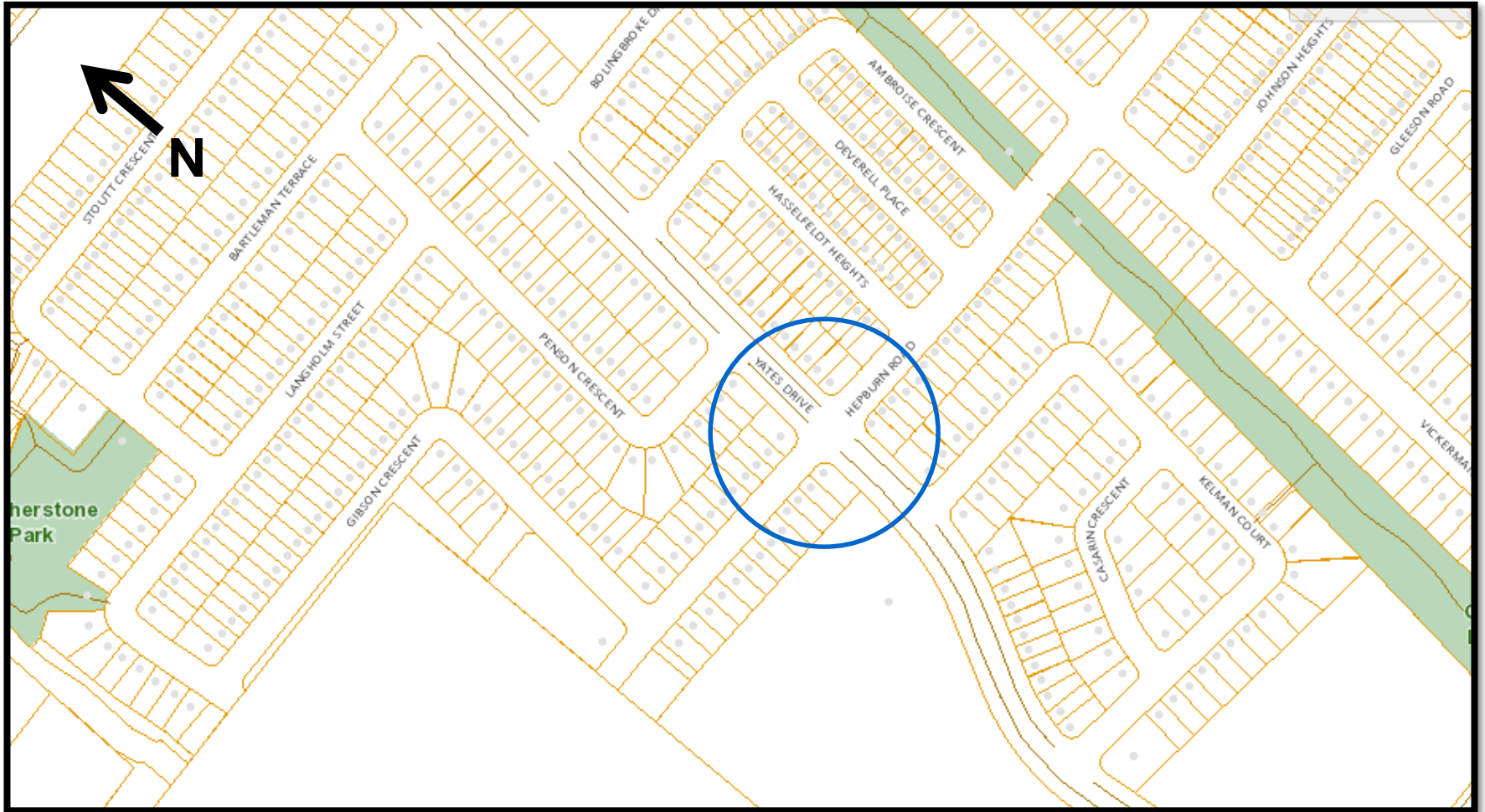


## LEGEND

- Proposed All-Way Stop 
- Proposed Stopping Prohibitions 

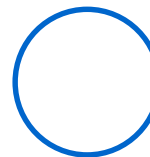
## Appendix I

# Yates Drive and Hepburn Road – All-Way Stop



## LEGEND

Proposed All-Way Stop



Appendix II

**Schedule 12  
Through Highways - Stop  
To Be Deleted**

<b>Column 1 Highway(s)</b>	<b>Column 2 Location From</b>	<b>Column 3 Location To</b>
Duncan Lane	East limit of Whitmer Street	South limit of Holmes Crescent (west intersection)
Yates Drive	South limit of Bolingbroke Drive	North limit of Louis St Laurent Avenue

**Schedule 12  
Through Highways – Stop  
To Be Added**

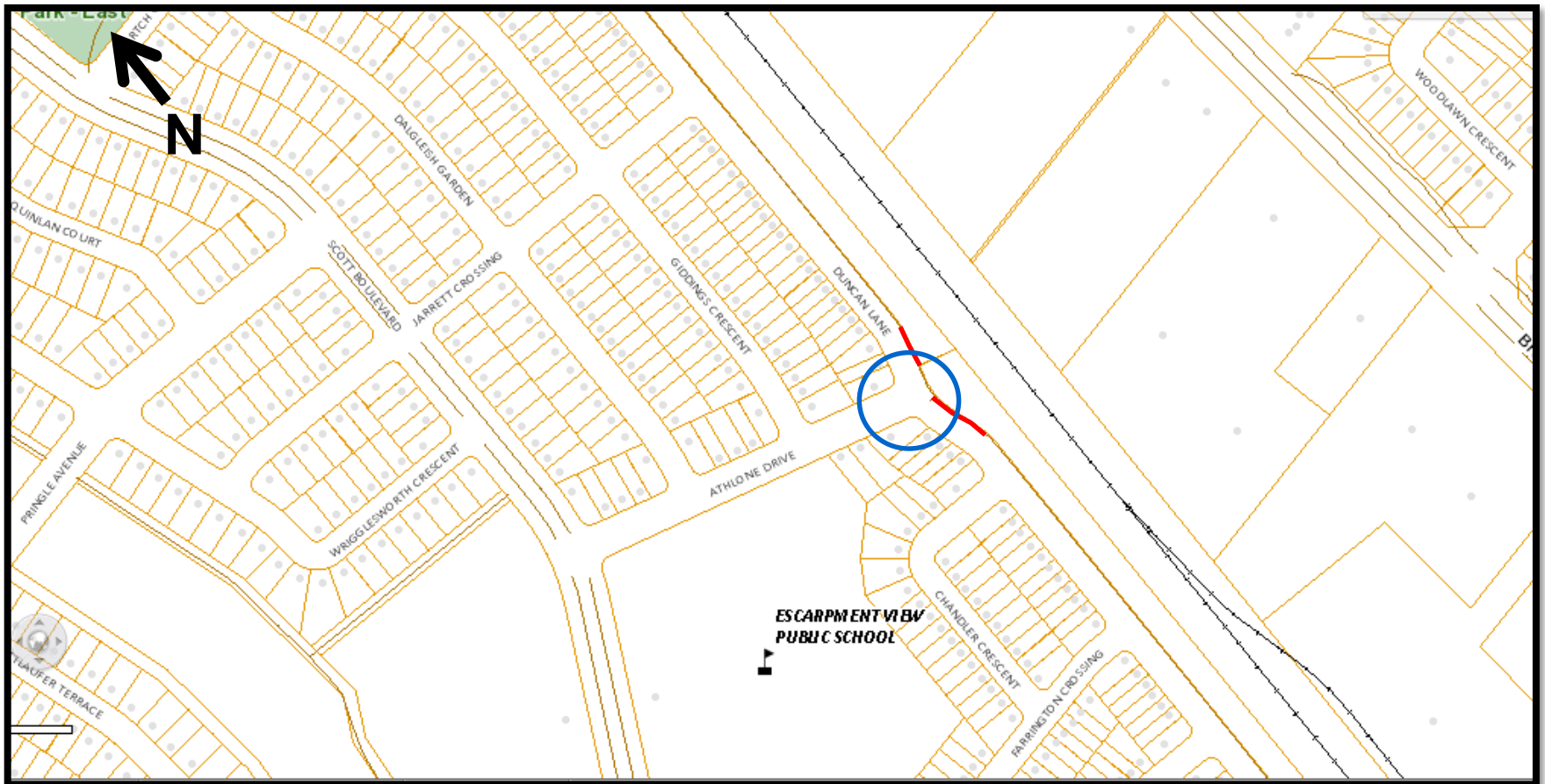
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Yates Drive	North limit of Louis St. Laurent Avenue	South limit of Hepburn Road
Yates Drive	South limit of Bolingbroke Drive	North limit of Hepburn Road

**Schedule 13  
Intersection - Stop Signs  
To Be Added**



<b>Column 1 Highway(s)</b>	<b>Column 2 Direction of Travel</b>	<b>Column 3 Stop On</b>
Duncan Lane and Athlone Drive	Northbound	Duncan Lane
	Southbound	Duncan Lane
	Westbound	Athlone Drive
Yates Drive and Hepburn Road	Northbound	Yates Drive
	Southbound	Yates Drive
	Eastbound	Hepburn Road
	Westbound	Hepburn Road



# Duncan Lane and Athlone Drive - All-way Stop and Stopping Prohibitions



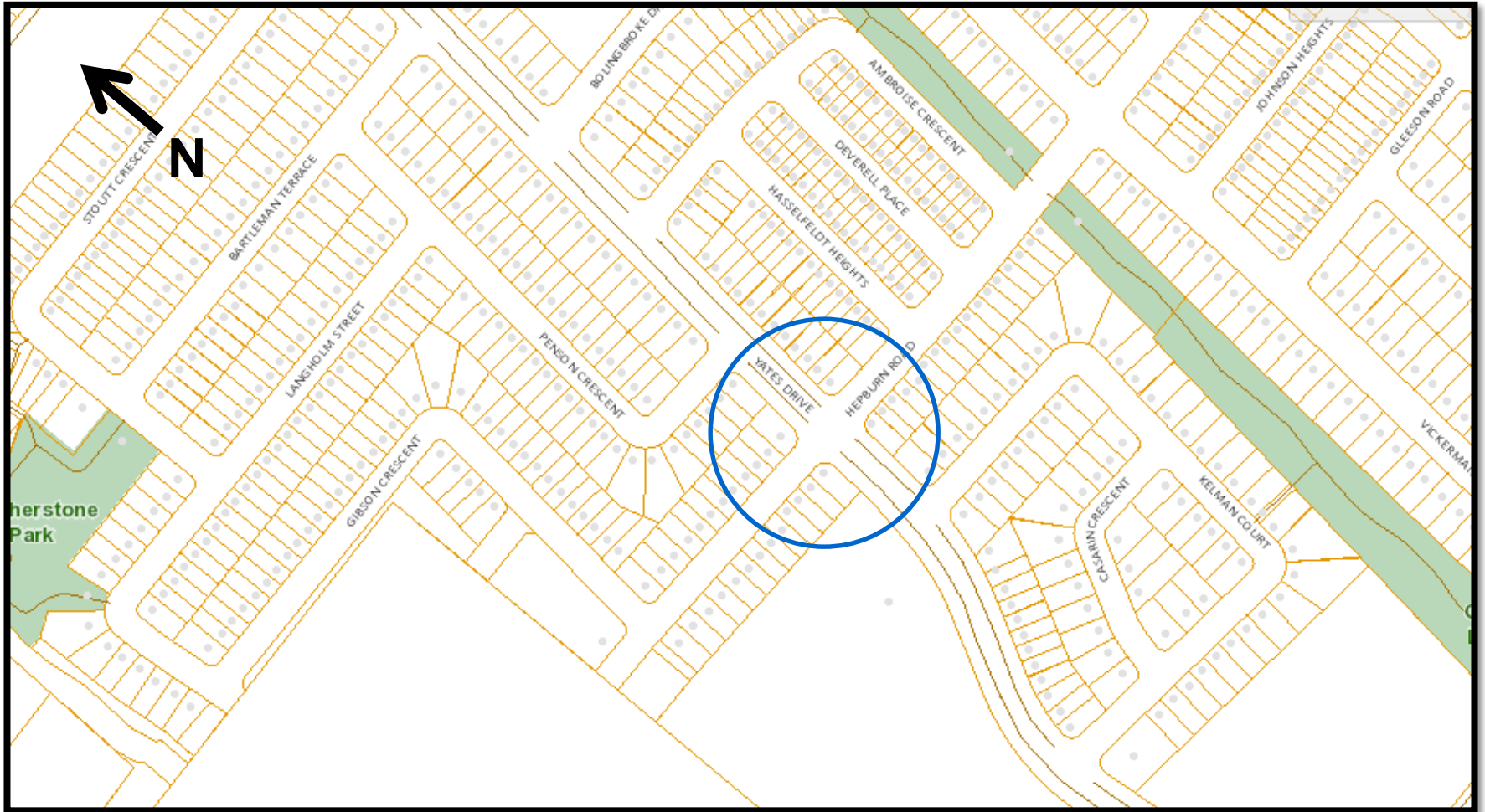
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- Proposed All-Way Stop 
- Proposed Stopping Prohibitions 

## Appendix I

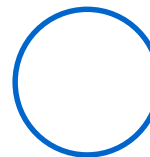


# Yates Drive and Hepburn Road – All-Way Stop



## LEGEND

Proposed All-Way Stop



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