

Traffic Calming - Waterford Drive, between Wincott Drive and Holgate Street

Date: August 1, 2019
To: Etobicoke York Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 2 – Etobicoke Centre

SUMMARY

This staff report is about a matter that Community Council has delegated authority from City Council to make a final decision.

Transportation Services is requesting approval to install speed humps on Waterford Drive, between Wincott Drive and Holgate Street. Staff's assessment indicates the criteria as set out in the Traffic Calming Policy has been satisfied. Therefore, speed humps should be installed on this section of Waterford Drive, subject to positive results of the traffic calming poll.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services recommends that:

1. Etobicoke York Community Council request the City Clerk (Polling Registry Services) to poll eligible householders in English or any other language specified by Community Council, on Waterford Drive, between Wincott Drive and Holgate Street, to determine if property owners/occupants support the installation of speed humps, according to the City of Toronto Traffic Calming Policy.
2. Subject to favourable results of the poll;
 - a. Etobicoke York Community Council authorize the installation of traffic calming (speed humps) on Waterford Drive, between Wincott Drive and Holgate Street.
 - b. Etobicoke York Community Council direct the City Solicitor to prepare a by-law to alter sections of the roadway on Waterford Drive for traffic calming enhancement, generally as shown on Drawing EY19-058, dated August 2019 and circulated to residents during the polling process.

- c. Etobicoke York Community Council reduce the speed limit from 40 km/h to 30 km/h on Waterford Drive, between Wincott Drive and Holgate Street, when the speed humps are installed.

FINANCIAL IMPACT

The estimated costs for installing 6 speed humps on Waterford Drive will be \$24,000.00. Funding for these speed humps would be subject to availability in the Transportation Services 2020 Capital Budget.

DECISION HISTORY

This report is a new request being presented to Etobicoke York Community Council.

COMMENTS

Transportation Services received a petition signed by the residents of Waterford Drive, to investigate the feasibility of installing physical traffic calming measures on Waterford Drive, between Wincott Drive and Holgate Street, to address concerns with speeding vehicles. Map of the area is Attachment 1.

Waterford Drive is classified in the City's Road Classification System as a "Local" road having one lane of traffic in each direction and a legal speed limit of 40 km/h. The roadway has an urban cross-section which includes curb and gutter. There is a continuous sidewalk on the south/east side of Waterford Drive. A sidewalk also exists on the west side of Waterford Drive between Holgate Street and Strathdee Drive.

Speed and volume studies had recently been conducted (April 2017) on Waterford Drive in the subject area as part of a neighbourhood study for the former Councillor. The results of these studies are summarized in the following table:

Study Location	Speed Ranges – km/h					85th Percentile	24 Hr Total
	1-40	41-50	51-60	61-65	>65		
Waterford Drive, east of Wincott Drive	427	976	460	34	26	54 km/h	1,923

The 85th percentile speed is the vehicle operating speed at or below which 85 percent of all traffic is moving.

The subject location was assessed according to the City of Toronto's Traffic Calming Policy. Vehicle speeds and traffic volumes are the prime criteria for installing traffic calming devices. Other environmental factors are also examined, such as road width, pedestrian facilities and grade. The proposal was evaluated under each criteria (Warrants 1, 2 and 3), with the results summarized in Attachment 2

Based on data collected and evaluated against the warrants for the installation of traffic calming measures, the installation of speed humps is recommended on Waterford Drive, between Wincott Drive and Holgate Street, as the technical requirements are satisfied.

The current City of Toronto Traffic Calming Policy requires that the City Clerk (Polling Registry Services) formally survey property owners/occupants who would be directly affected by the installation of speed humps. The policy stipulates that a minimum response rate of 50 percent plus one (25% in Community Safety Zones) of affected households/properties respond, and that 60% of valid responses support the proposal in order to implement the plan.

Subject to approval by Etobicoke York Community Council, of the recommendations indicated in this report, the City Clerk will survey property owners/occupants. If the survey supports installing speed humps on Waterford Drive, between Wincott Drive and Holgate Street, Transportation Services staff will schedule installation based on relative need and competing priorities.

Consultation with emergency services (Police, Fire and Paramedic Services) is required to ensure that the design and layout of traffic calming proposal does not negatively affect their operations. Comments have not been received back at the time of writing this report from Toronto Police Service, Toronto Paramedic Services or Toronto Fire Services. Installing speed humps will result in slower operating speeds for all vehicles, including emergency service vehicles.

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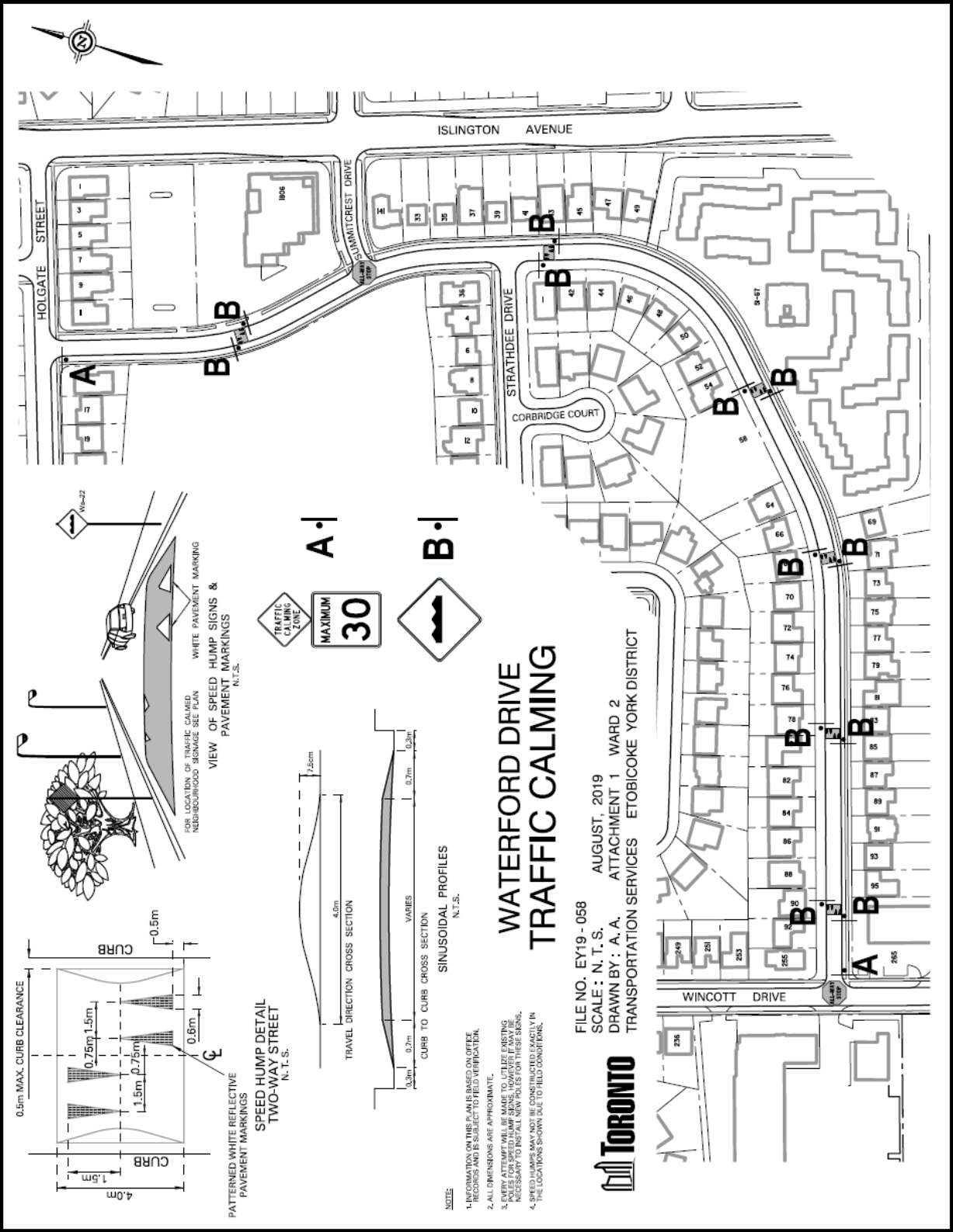
SIGNATURE

Roger Browne, M.A. Sc., P.Eng.
Acting Director, Traffic Management
Transportation Services

ATTACHMENTS

Attachment 1: Area Map 1 (Waterford Drive)
Attachment 2: Traffic Calming Warrant - Waterford Drive

Attachment 1: Area Map 1 (Waterford Drive)



Attachment 3: Traffic Calming Warrant - Waterford Drive

Traffic Calming Warrant Criteria Waterford Drive between Wincott Drive and Holgate Street

Warrant	Criterion	Requirement		Met/Not Met
Warrant 1 Petition	1.1 Petition	A petition requesting traffic calming must be signed by at least 25% of households on the street. OR A direct request from the Ward Councillor. Warrants #2 and #3 will not be considered until Warrant #1 is satisfied.		Met – Petition submitted
Impacts to Adjacent Streets		No significant traffic impacts on adjacent streets		Met
Warrant 2 Safety Requirements (all three criteria must be fulfilled to satisfy this Warrant)	2.1 sidewalks	Continuous sidewalks on at least one side of the street (both sides for collector streets or higher classification). OR Where there are no sidewalks, the installation of sidewalk on at least one side of the street must have first been considered		Met - sidewalks on one side of the street
	2.2 Road Grade	Road grade 5% or less OR Between 5% and 8% road grade may be considered. Investigation must determine installation to be safe.		Met – Road grade less than 5%.
	2.3 Emergency Response	No significant Impacts on Emergency Services (as determined in consultation with Emergency Services (Fire, Ambulance and Police) staff.		T.B.D.
Warrant 3 Technical Requirements (all four criteria must be fulfilled to satisfy this warrant)	3.1 Minimum Speed	85 th percentile speed is a minimum of 10 km/h (but less than 15 km/h) over the warranted 40 km/h speed limit, and the traffic volume requirements of Warrant 3.2 must be fulfilled. OR On streets where the 85 th percentile speed exceeds a warranted 40 km/h speed limit by a minimum of 15 km/h, there is no minimum volume required in warrant 3.2.		Met – 85 th percentile speed of 54 km/h (14 km/h over warranted 40 km/h speed limit)
	3.2 Min. and Max. Traffic Volume	Local Roads Traffic volume between 1,000 Veh/day and 2,500 Veh/day	Collector Roads Traffic volume between 2,500 Veh/day and 8,000 Veh/day	Met – Local 1,923 Veh/day
	3.3 Minimum Street Segment Length between stop controls	Street segment length must exceed 120 meters between stop controls (signals or stop signs)		Met
	3.4 Transit Service	Impacts on regularly scheduled Toronto Transit Commission (TTC) services will not be significant (as determined in consultation with TTC staff)		Met – No TTC service.