

Traffic Calming (Speed Humps) - Ellington Drive

Date: February 3, 2025

To: Scarborough Community Council

From: Director, Traffic Management, Transportation Services

Wards: Ward 21, Scarborough 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 recommending the installation of speed humps on Ellington Drive, between Lawrence Avenue East and Warden Avenue. Staff's assessment indicates that the criteria as set out in the updated Traffic Calming Policy has been satisfied. Therefore, speed humps should be installed on Ellington Drive.

RECOMMENDATIONS

The Director, Traffic Management, Transportation Services recommends that:

1. Scarborough Community Council authorize the installation of speed humps on Ellington Drive, between Lawrence Avenue East and Warden Avenue.
2. Scarborough Community Council direct the City Solicitor to prepare a by-law to alter the roadway for the installation of 23 speed humps on Ellington Drive, between Lawrence Avenue East and Warden Avenue, generally as shown on Attachments 3, 4, 5, 6, and 7, Drawings TC-439, TC-440, TC-441, TC-442, and TC-443, dated December 2024, attached to the report entitled "Traffic Calming (Speed Humps) - Ellington Drive" from the Director, Traffic Management, Transportation Services.
3. Subject to approval of Recommendations 1 and 2 above, Scarborough Community Council reduce the speed limit from 40 km/h to 30 km/h on Ellington Drive, between Lawrence Avenue East and Warden Avenue, in conjunction with the installation of speed humps.

FINANCIAL IMPACT

The estimated cost for installing 23 speed humps on Ellington Drive is \$92,000.00. Funding would be subject to availability and competing priorities within the Transportation Services 2025 Interim Capital Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Transportation Services received a request from the Ward Councillor, on behalf of area residents, to investigate the feasibility of installing speed humps on Ellington Drive, between Lawrence Avenue East and Warden Avenue. The residents are concerned that motorists travel at a high rate of speed on Ellington Drive.

Existing Conditions

Ellington Drive is characterized by the following conditions:

- It is a two-lane collector roadway
- It runs north-south and east-west, with a 90 degree curve located mid-block that is designated with a 30 km/h advisory speed
- It operates two-way traffic on a pavement width of approximately 8.5 metres
- The daily two-way traffic volume varies from approximately 700 to 800 vehicles
- The speed limit is 40 km/h
- Heavy trucks are prohibited at all times
- There is no Toronto Transit Commission (TTC) service provided
- There are sidewalks located on both sides of this street
- There are all-way stop sign controlled intersections located at Boem Avenue, Manhattan Drive, and Tower Drive

The land use in the area consists of single-family residential dwellings. Additionally, Manhattan Park and Manhattan Park Junior Public School are located to the west of Ellington Drive and Manhattan Drive. This subject section of Ellington Drive is not within a designated Community Safety Zone.

A map of the area and proposed locations of the speed humps is included in Attachments 3, 4, 5, 6, and 7.

Study Results

As part of the assessment of the warrant criteria, two vehicle speed and volume studies were conducted on Ellington Drive from August 27 to 29, 2024. The results of the studies were evaluated against the warrant criteria for Traffic Calming as adopted by the City Council. The study results on Ellington Drive are summarized in Table 1.

Table 1: Ellington Drive Speed and Volume Study Results

Road section	Daily Traffic Volume	85th percentile speed criteria		95th percentile speed criteria	
		Results	Warrant Requirement	Results	Warrant Requirement
Ellington Drive, between Lawrence Avenue East and Tower Drive (north-south section)	800	48 km/h	48 km/h	53 km/h	55 km/h
Ellington Drive, between Tower Drive and Warden Avenue (east-west section)	700	49 km/h	48 km/h	55 km/h	55 km/h

Based on the study results, both sections of Ellington Drive, between Lawrence Avenue East and Warden Avenue, have satisfied the warrant criteria for the 85th percentile speeds. Additionally, all blocks are over the minimum 120 metre length requirement.

The overall investigation concluded that the eligibility and warrant criteria outlined in the updated Traffic Calming Policy has been satisfied. Therefore, staff recommend the installation of speed humps on Ellington Drive.

Relative Priority and Other Impacts

In the event that the number of approved requests for roadway traffic calming measures exceed the budget allocated for installation, funding for approved installations will be prioritized using a Prioritization Score. This score is made up of a Quantitative Score and a Qualitative Score.

The Quantitative Score is based on the results of the data collection, including travel speeds and traffic volumes to prioritize locations with higher vehicle speeds and volumes.

The Qualitative Score includes:

- Collision history to prioritize locations with a history of serious injury or fatal collisions and those involving a pedestrian or cyclist
- Equity to prioritize equity-deserving communities with a high-concentration of priority populations and those that are transportation disadvantaged
- Expected presence of vulnerable road users (elderly population, school children and pedestrians, including transit riders) to prioritize locations with a higher risk of fatal and serious injury collisions

The Quantitative and Qualitative Scores are averaged to provide the complete Prioritization Score. Ellington Drive, between Lawrence Avenue East and Warden Avenue, scored 18 ranking points out of a possible 100.

No alterations to parking regulations will be required, nor will the number of parking spaces be affected by the installation of speed humps. Installation of speed humps will have minimal effect on winter services, street cleaning and garbage collection.

Consultation with emergency services (Toronto Police Service, Toronto Fire Services and Toronto Paramedic Services) is required to ensure that the design and layout of a traffic calming proposal does not unduly affect their operations. Emergency services were advised of this proposal.

Toronto Paramedic Services responded and advised of potential delays in emergency responses but expressed support for initiatives that enhance community safety. A copy of their full response is included in Attachment 8. Toronto Police Service and Toronto Fire Services have not provided comments back at the time of writing this report. Installing speed humps will result in slower operating speeds for all vehicles, including emergency service vehicles.

The Ward Councillor has been advised of the recommendations in this report.

CONTACT

Dan Clement, CET, Manager Traffic Operations (Area 1), Transportation Services
416-397-5021, Dan.Clement@toronto.ca

SIGNATURE

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

ATTACHMENTS

Attachment 1: Traffic Calming Warrant - Ellington Drive, between Lawrence Avenue East and Tower Drive (north-south section)

Attachment 2: Traffic Calming Warrant - Ellington Drive, between Tower Drive and Warden Avenue (east-west section)

Attachment 3: Speed Hump Locations Plan - Ellington Drive, Lawrence Avenue East - Warden Avenue (Matchline, see drawing TC-440)

Attachment 4: Speed Hump Locations Plan - Ellington Drive, Lawrence Avenue East - Warden Avenue (Matchline, see drawing TC-441)

Attachment 5: Speed Hump Locations Plan - Ellington Drive, Lawrence Avenue East - Warden Avenue (Matchline, see drawing TC-442)

Attachment 6: Speed Hump Locations Plan - Ellington Drive, Lawrence Avenue East - Warden Avenue (Matchline, see drawing TC-443)

Attachment 7: Speed Hump Locations Plan - Ellington Drive, Lawrence Avenue East - Warden Avenue

Attachment 8: Letter from Toronto Paramedic Services, dated December 13, 2024

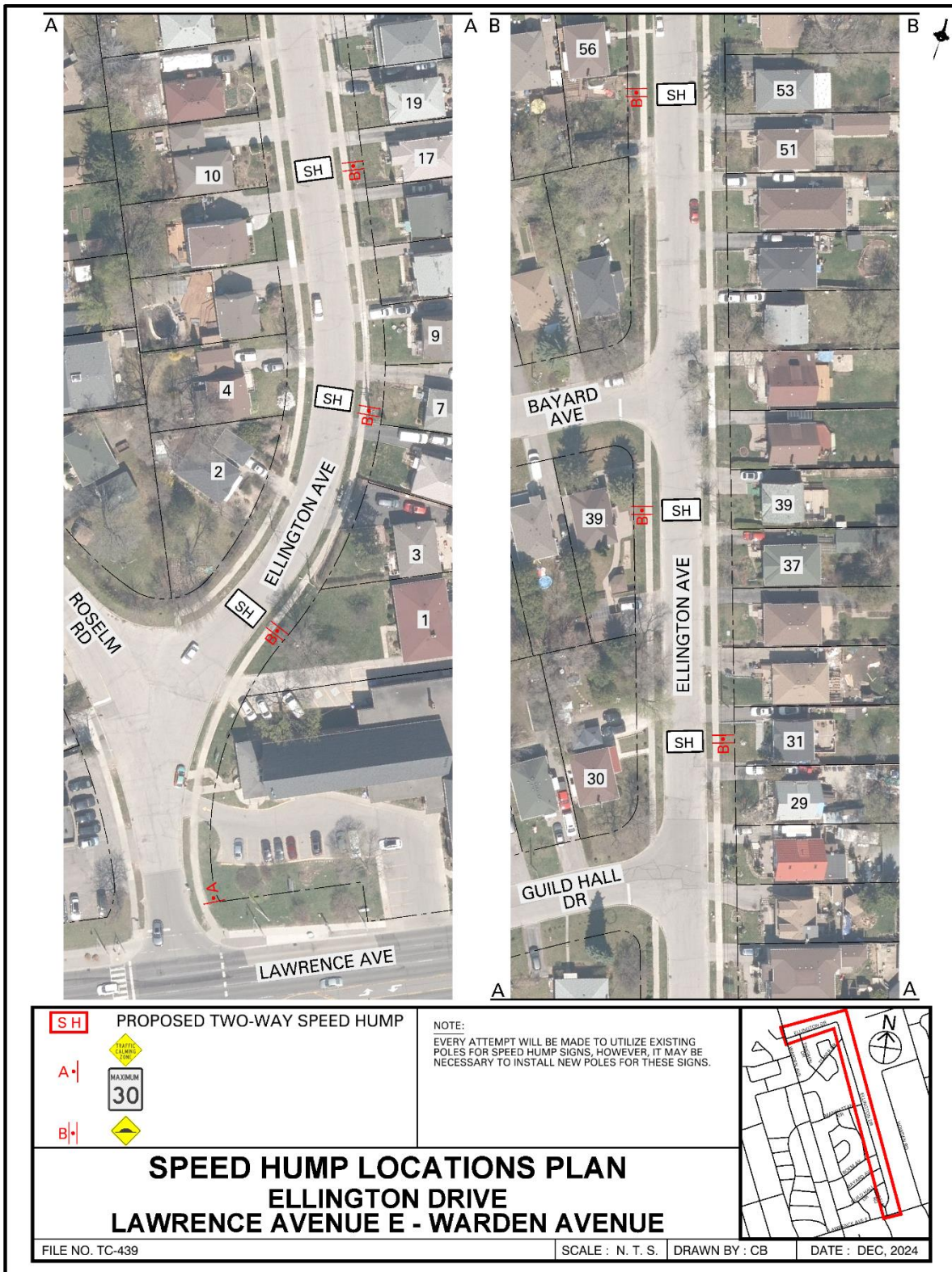
Attachment 1: Traffic Calming Warrant - Ellington Drive, between Lawrence Avenue East and Tower Drive (north-south section)

Criteria		Requirement	Warrant Satisfied?
Community Support		A direct request from the Ward Councillor OR identified by Transportation Services in consultation with the Ward Councillor	Yes
Eligibility Criteria	Road Classification	Classified as a local or collector roadway, according to the Toronto Road Classification System	Yes
	Sidewalks	Presence of a sidewalk on at least one side of a local roadway and both sides of a collector roadway is preferred but not required	Yes
	Traffic Volume	Maximum average daily traffic volume of less than 8,000 vehicles per day	Yes
	Road Grade	Maximum roadway grade of up to 5%, can be considered in locations where the road grade is between 5% and 8% with additional review	Yes
	Emergency Services	No significant impacts on emergency services, including Toronto Fire, Paramedic and Police Services	No
	Transit Services	No significant impacts to regularly scheduled Toronto Transit Commission (TTC) services	N/A
Warrant Criteria	Minimum Block Length	Minimum block length of 120 metres based on the measured distance from centre to centre of controlled intersections AND	Yes (440 m, 360 m, 470 m)
	85th percentile speed	Minimum 85th percentile speed of 8 km/h over the warranted speed limit OR	Yes (8 km/h)
	95th percentile speed	Minimum 95th percentile speed of 15 km/h over the warranted speed limit	No (13 km/h)

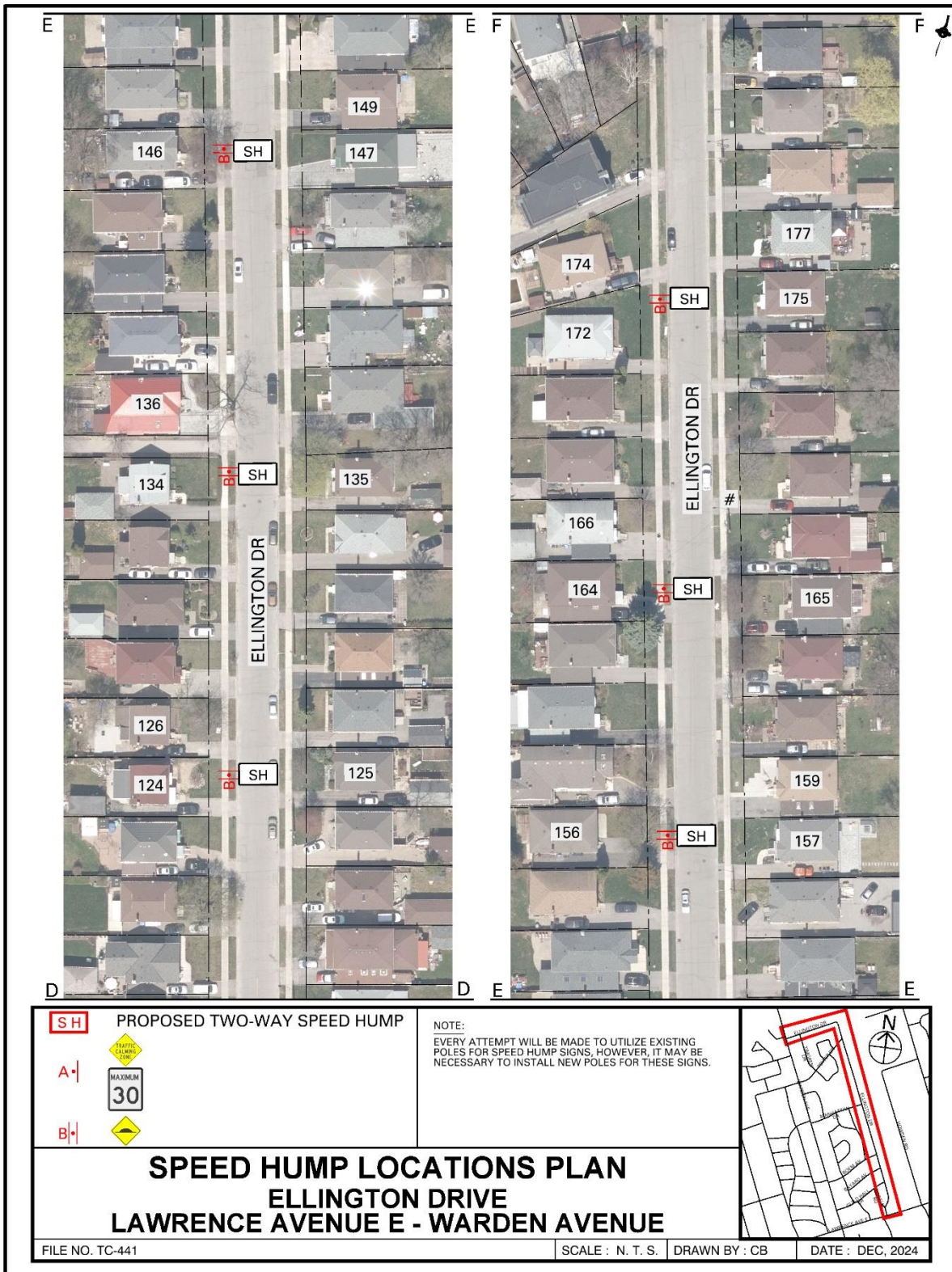
Attachment 2: Traffic Calming Warrant - Ellington Drive, between Tower Drive and Warden Avenue (east-west section)

Criteria		Requirement	Warrant Satisfied?
Community Support		A direct request from the Ward Councillor OR identified by Transportation Services in consultation with the Ward Councillor	Yes
Eligibility Criteria	Road Classification	Classified as a local or collector roadway, according to the Toronto Road Classification System	Yes
	Sidewalks	Presence of a sidewalk on at least one side of a local roadway and both sides of a collector roadway is preferred but not required	Yes
	Traffic Volume	Maximum average daily traffic volume of less than 8,000 vehicles per day	Yes
	Road Grade	Maximum roadway grade of up to 5%, can be considered in locations where the road grade is between 5% and 8% with additional review	Yes
	Emergency Services	No significant impacts on emergency services, including Toronto Fire, Paramedic and Police Services	No
	Transit Services	No significant impacts to regularly scheduled Toronto Transit Commission (TTC) services	N/A
Warrant Criteria	Minimum Block Length	Minimum block length of 120 metres based on the measured distance from centre to centre of controlled intersections AND	Yes (485 m)
	85th percentile speed	Minimum 85th percentile speed of 8 km/h over the warranted speed limit OR	Yes (9 km/h)
	95th percentile speed	Minimum 95th percentile speed of 15 km/h over the warranted speed limit	Yes (15 km/h)

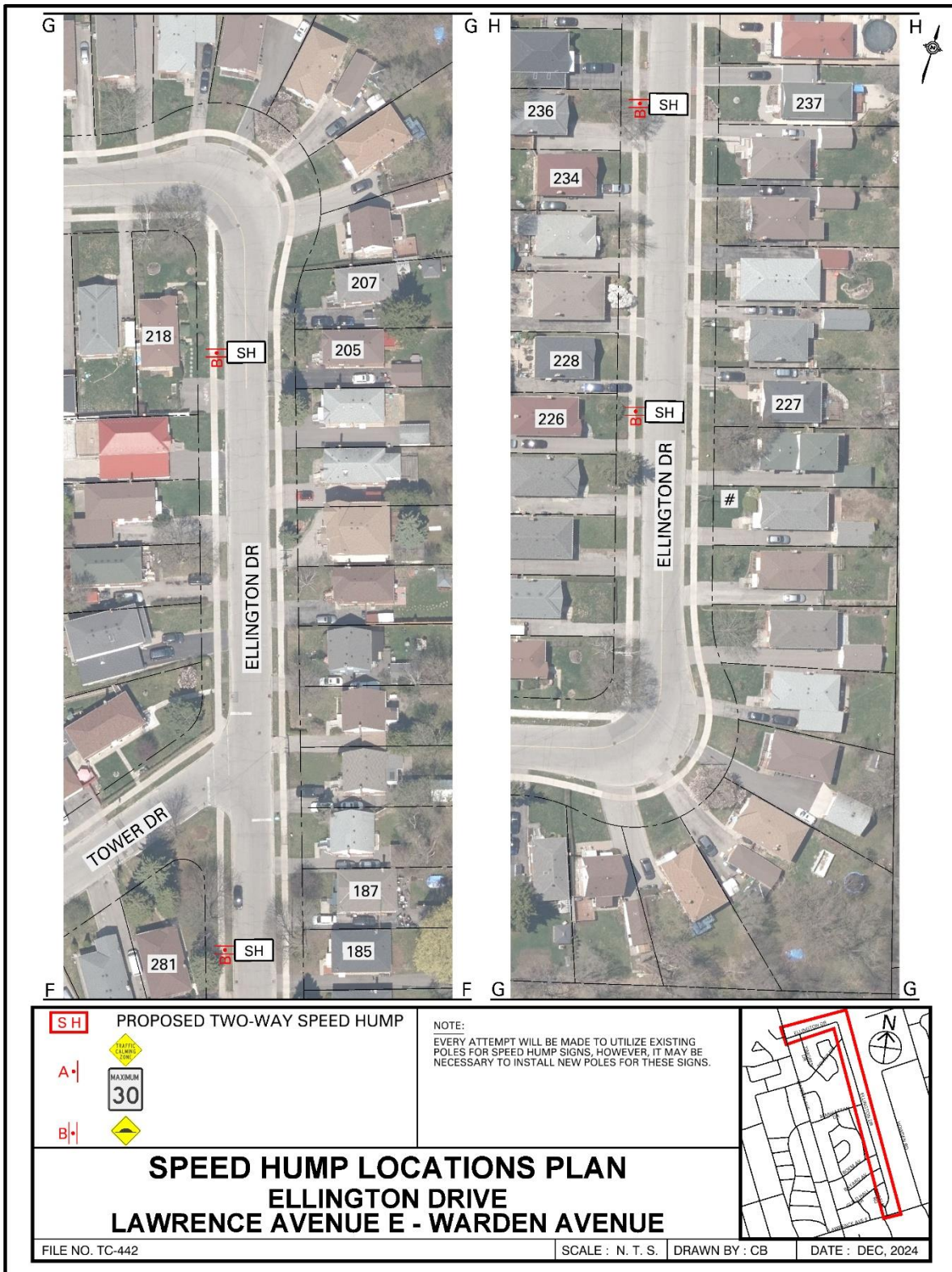
Attachment 3: Speed Hump Locations Plan - Ellington Drive, Lawrence Avenue East - Warden Avenue (Matchline, see drawing TC-440)



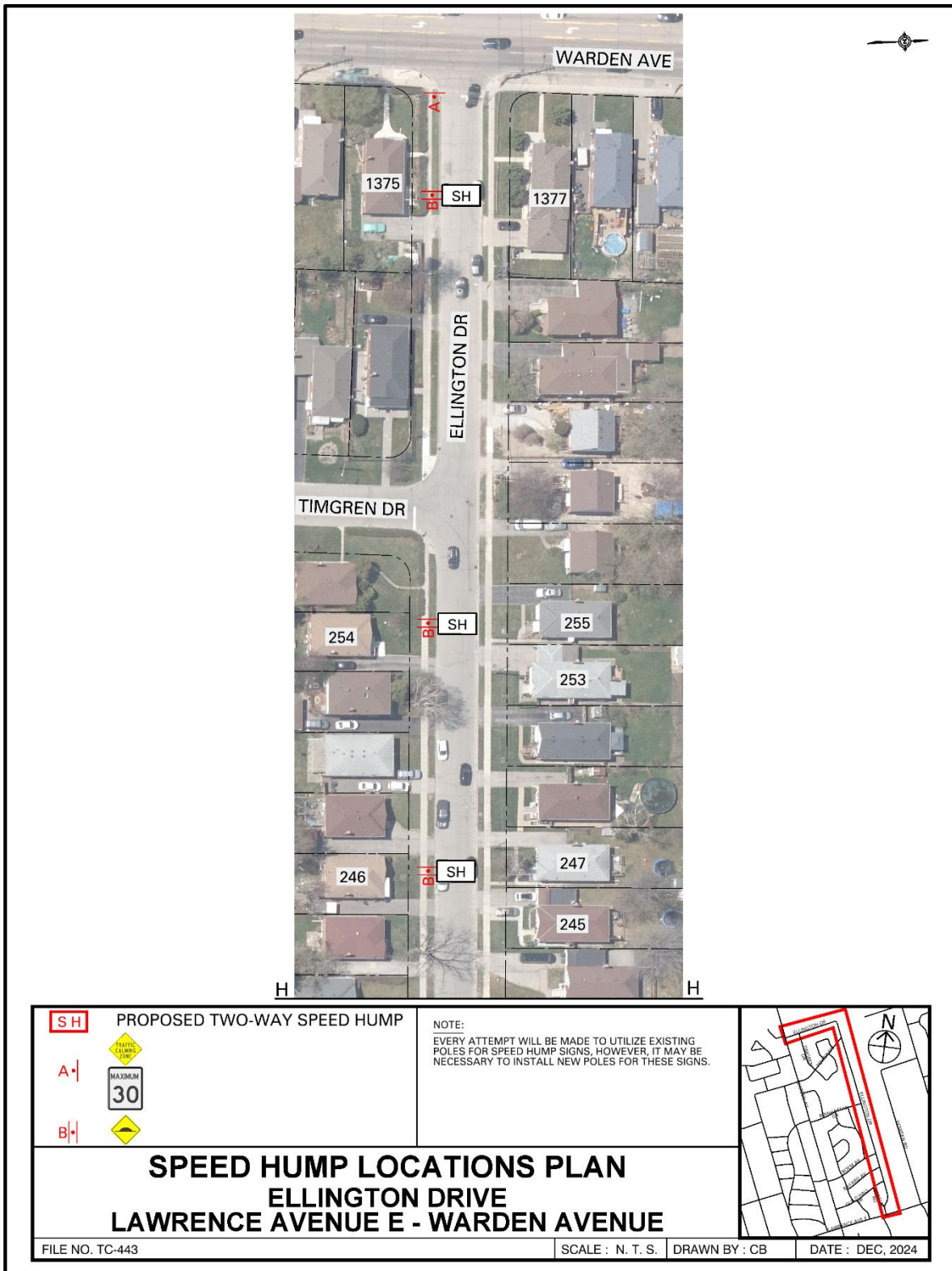
Attachment 5: Speed Hump Locations Plan - Ellington Drive, Lawrence Avenue East - Warden Avenue (Matchline, see drawing TC-442)



Attachment 6: Speed Hump Locations Plan - Ellington Drive, Lawrence Avenue East - Warden Avenue (Matchline, see drawing TC-443)



Attachment 7: Speed Hump Locations Plan - Ellington Drive, Lawrence Avenue East - Warden Avenue



Attachment 8: Letter from Toronto Paramedic Services, dated December 13, 2024

From: [EMS Planning](#)
To: [Omar Omar](#)
Cc: [Atif Sharif](#); [Jennifer Chung](#); [EMS Planning](#); [EMS Planning](#)
Subject: RE: Speed humps - Ellington Drive between Lawrence Avenue East and Warden Avenue
Date: December 13, 2024 9:17:59 AM
Attachments: [image001.png](#)

We have received and reviewed the proposal for installation of speed humps on Ellington Drive, between Lawrence Avenue East and Warden Avenue, with the following comments:

The installation of speed humps on Ellington Drive, between Lawrence Avenue East and Warden Avenue, will impact response and transport times for residents that reside on the roadway speed humps are installed. Impacts may extend to community members if Ellington Drive, between Lawrence Avenue East and Warden Avenue, serves access to other roadways. It is important that the applicant understands that the installation of traffic calming devices will reduce the speed that emergency vehicles travel when responding to emergencies on roadways where they are installed.

Toronto Paramedic Services is supportive of community initiatives that improve the safety of all citizens of, and visitors to, the City of Toronto. Traffic and pedestrian safety are key components of a healthy neighbourhood, and we endeavour to support the wishes of the community to implement measures to improve upon these components.
