

On-Street Electric Vehicle Charging Stations on Duplex Avenue - Parking Amendments (Delegated Locations)

Date: April 13, 2026

To: North York Community Council

From: Acting Director, Street Permits, Transportation Services

Wards: Ward 18, Willowdale

SUMMARY

This report outlines the parking by-law amendments required to implement one (1) Electric Vehicle (EV) charging location on Duplex Avenue, for the roll out of two (2) charging stations for which this Community Council has delegated authority from City Council to make a final decision. This location has been reviewed and supported by the local Councillor.

RECOMMENDATIONS

The Acting Director, Street Permits, Transportation Services recommends that:

1. North York Community Council designate an on-street electric vehicle charging station parking area at the following location:

- a. Duplex Avenue, east side, between a point 115.5 metres north of Finch Avenue West and a point 12 metres further north (2 spaces)

for the exclusive use of electric vehicles and amend City of Toronto Municipal Code Chapter 910, Parking Machines, Parking Meters and Mobile Only Zones and Chapter 950, Traffic and Parking, as generally described in Attachment 2 of this report (April 13, 2026).

FINANCIAL IMPACT

All costs associated with the installation of the new EV charging stations, including signage and pavement markings will be borne by the Toronto Parking Authority.

DECISION HISTORY

This report addresses a new initiative, however, a previous decision is available below which refers to the subject matter:

The Infrastructure and Environment Committee, at its meeting of May 25, 2022 adopted, as amended, Item IE30.11 entitled, "On-Street Electric Vehicle Charging Stations - Pilot Conclusion and Next Steps."

<https://secure.toronto.ca/council/agenda-item.do?item=2022.IE30.11>

COMMENTS

Transportation Services staff, with the assistance of Toronto Parking Authority and Toronto Hydro, have worked together to identify suitable locations to deploy EV charging stations.

An inventory of locations, identified by staff and through resident outreach were considered and a shortlist of locations were presented to local Councillors in the North York Community Council area. Site selections are determined based on the following criteria:

- In a permit parking area with available permits (i.e., <90% capacity)
- On a street block with at least two fewer permits issued than parking spaces available
- Limited or no daytime parking restrictions or alternate side-of-street parking
- The presence of electric or street light poles located between the curb and sidewalk (considered the boulevard area), directly adjacent to the curb within the sidewalk to support pole-mounted chargers, or positioned behind the sidewalk where power can be accessed to support pedestal chargers
- On a street that allows for the placement of two adjacent parking spaces (single spaces are also acceptable) without encroaching on driveways, intersections, fire hydrants, or other significant encumbrances
- The location provides sufficient electrical capacity and can otherwise support various EV charging station types (e.g., pole-mounted and pedestal chargers)

This report outlines the parking by-law amendments required to implement one (1) EV charging location to facilitate the roll out of two (2) charging stations for which this Community Council has delegated authority from City Council to make a final decision.

New On-Street EV Charging Station Location on Duplex Avenue

The following location has been identified and is supported by the local Councillor for the installation in 2026, with the actual location shown on the map in Attachment 1:

- a. Duplex Avenue, east side, from a point 115.5 metres north of Finch Avenue West and a point 12 metres further north (2 spaces)

The designated EV charging station spaces will be subject to any other parking regulations in effect in the area. In addition, parking in these spaces will be limited to a three (3) hour maximum period, in accordance with the pay and display parking machine regulations, to ensure turn-over and users must be actively connected at all times.

The site-specific by-law amendments required to implement the new EV parking areas at the location noted above are detailed in Attachment 2 of this report, with the new regulations taking effect upon installation of the EV charging stations and regulatory signage.

CONTACT

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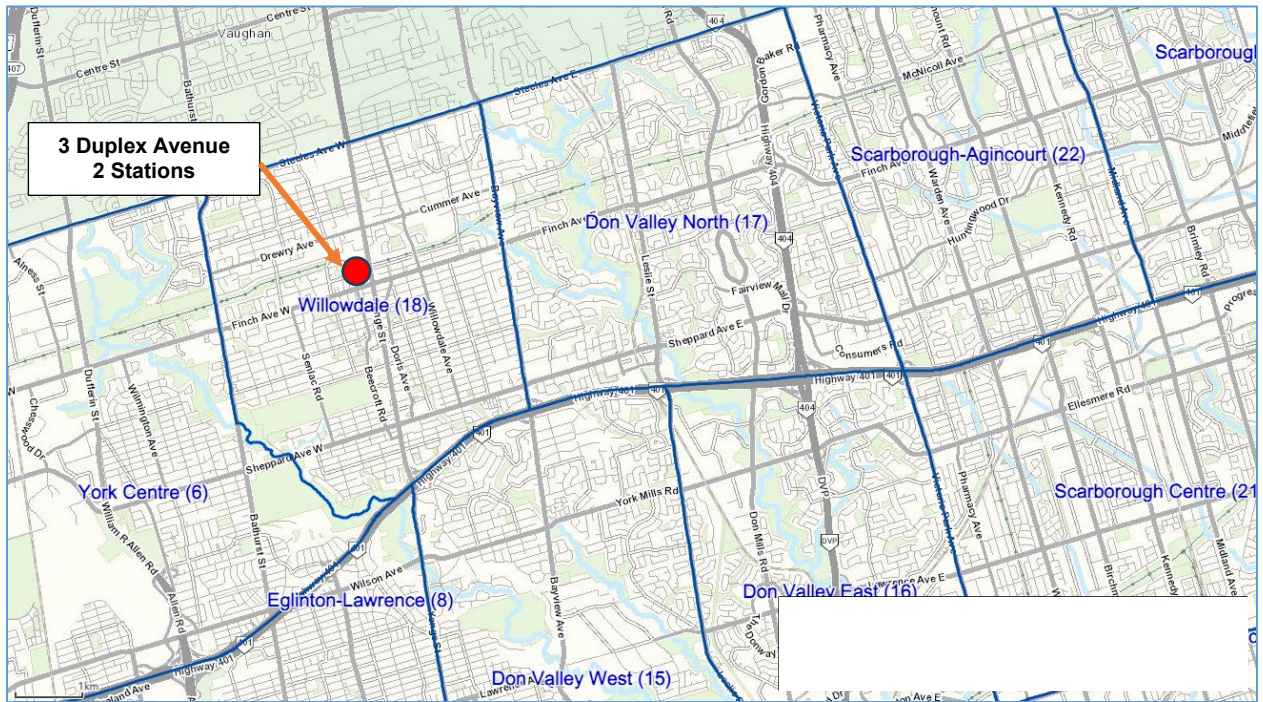
SIGNATURE

Nazzareno A. Capano, P.Eng.
Acting Director, Street Permits, Transportation Services

ATTACHMENTS

Attachment 1: Map of New On-Street EV Charging Location
Attachment 2: Required Amendments to Parking Regulations

Attachment 1: Map of New On-Street EV Charging Location



Attachment 2: Required Amendments to Parking Regulations

INSERT - Chapter 910, Schedule II (Parking Machine Locations Designated as Electric Vehicle Charging Stations)

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Period Parking
Duplex Avenue	East	A point 115.5 metres north of Finch Avenue West and a point 12 metres further north	8:00 a.m. to 9:00 p.m., Mon. to Sat.; 1:00 p.m. to 9:00 p.m. Sun.	\$5.50 for 1 hour	3 hours

INSERT - Chapter 950, Schedule XLIV (Electric Vehicle Charging Station Parking)

Highway	Side Parking	Between	Hours (daily as indicated below)	Maximum Period Parking
Duplex Avenue	East	A point 115.5 metres north of Finch Avenue West and a point 12 metres further north	Anytime	3 hours