100 Milverton Drive, Suite 404
Mississauga, Ontario L5R 4H1
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ghd.com

12 August 2026

Jill Juhlke
Manager, Transportation Planning
71 Main Street West
Hamilton, ON
L8P 4Y5

1310 South Service Road - Costco Parking Lot Expansion Traffic Brief

1. Introduction

1.1 Retainer and Objective

GHD Ltd. was retained to prepare this Traffic Brief in support of the proposed expansion of the parking supply for the existing Costco store located at 1310 South Service Road in the City of Hamilton. The Brief has been prepared in support of the related Official Plan Amendment and Zoning By-law Amendment applications.

The purpose of this Traffic Brief is to provide a concise transportation opinion regarding the proposed parking lot expansion, including a summary of existing and proposed site conditions, the anticipated traffic implications of the additional parking supply, parking by-law compliance, accessibility considerations, and internal circulation matters relevant to the municipal review of the application.

Based on consultation with City staff, a short Transportation/Traffic Brief is considered appropriate for the proposed parking lot expansion. The addition of 204 parking spaces is not anticipated to generate additional vehicle trips and as such no additional traffic data collection was required for this scope of work. Accordingly, this Brief focuses on the transportation rationale for the parking expansion rather than a full intersection capacity analysis.

The site location is illustrated in **Figure 1**.

The purpose of this study is to:

- Assess the operational implications of the additional parking supply
- Complete a swept path review of the proposed site plan.



Figure 1 Site Location

2. Existing Site Context

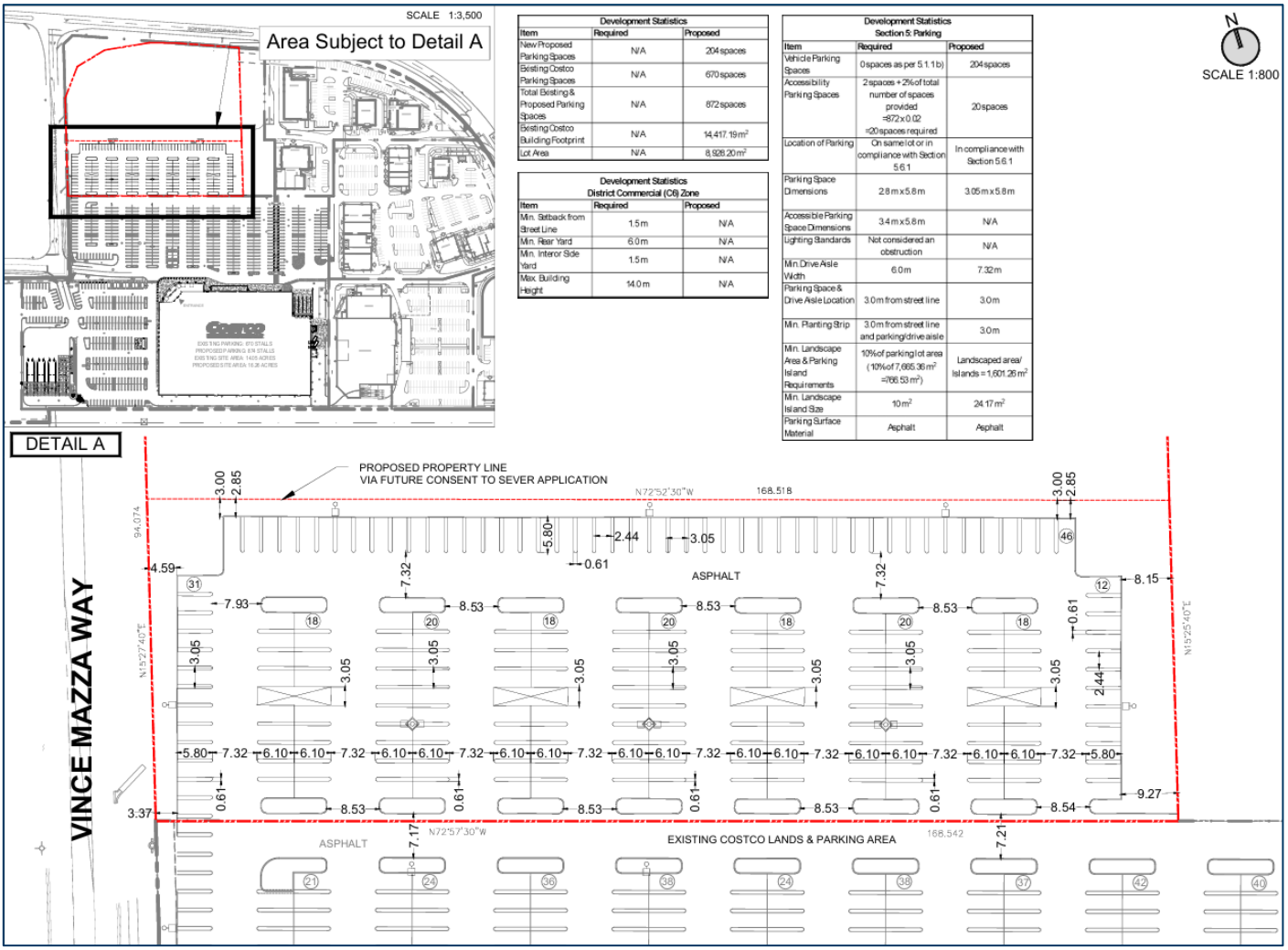
The subject site is a proposed parking expansion to the existing Costco store located at 1330 South Service Road with a building gross floor area of approximately 14,417.19 square metres. The Costco site currently operates as part of a larger commercial area on the south side of South Service Road and is accessed from Vince Mazza Way and South Service Road. The existing access arrangement is proposed to be maintained, with no new site driveway or change to external vehicular access proposed as part of the parking lot expansion.

The current Costco parking supply is understood to include approximately 670 parking spaces. The proposed expansion would add 204 parking spaces north of the existing Costco parking field, increasing the overall Costco parking supply to 872 spaces. The expansion area includes 204 additional spaces; the total proposed supply should be read in conjunction with the submitted site plan, recognizing that minor reconfiguration of existing stalls may occur as part of the final parking layout.

2.1 Proposed Parking Lot Expansion

The proposed works are limited to the expansion of the existing parking supply. No expansion to the Costco building, no new retail gross floor area, no change in land use, and no change to the site access arrangement are proposed. The added parking area is intended to provide additional parking capacity for customers who already travel to the site, particularly during busier periods when the existing parking field may be heavily occupied.

The proposed parking area is located north of the existing Costco parking lot and west of the adjacent commercial parking areas as shown in **Figure 2** and is also provided in **Appendix B**. Based on the site plan review, the added spaces are located within a reasonable walking distance of the Costco entrance and provide an alternative to drivers circulating through the main parking field or parking in more remote areas of the broader commercial plaza



Development Statistics		
Item	Required	Proposed
New Proposed Parking Spaces	N/A	204 spaces
Existing Costco Parking Spaces	N/A	670 spaces
Total Existing & Proposed Parking Spaces	N/A	872 spaces
Existing Costco Building Footprint	N/A	14,417.19 m²
Lot Area	N/A	8,928.20 m²

Development Statistics District Commercial (C6) Zone		
Item	Required	Proposed
Min. Setback from Street Line	1.5 m	N/A
Min. Rear Yard	6.0 m	N/A
Min. Interior Side Yard	1.5 m	N/A
Max. Building Height	14.0 m	N/A

Development Statistics Section 5: Parking		
Item	Required	Proposed
Vehicle Parking Spaces	0 spaces as per 5.1.1 b)	204 spaces
Accessibility Parking Spaces	2 spaces + 2% of total number of spaces provided =872 x 0.02 =20 spaces required	20 spaces
Location of Parking	On same lot or in compliance with Section 5.6.1	In compliance with Section 5.6.1
Parking Space Dimensions	2.8 m x 5.8 m	3.05 m x 5.8 m
Accessible Parking Space Dimensions	3.4 m x 5.8 m	N/A
Lighting Standards	Not considered an obstruction	N/A
Min. Drive Aisle Width	6.0 m	7.32 m
Parking Space & Drive Aisle Location	3.0 m from street line	3.0 m
Min. Planting Strip	3.0 m from street line and parking/drive aisle	3.0 m
Min. Landscape Area & Parking Island Requirements	10% of parking lot area (10% of 7,665.36 m² =766.53 m²)	Landscaped area/ islands = 1,601.26 m²
Min. Landscape Island Size	10 m²	24.17 m²
Parking Surface Material	Asphalt	Asphalt

Figure 2 Proposed Site Plan

2.2 Site Statistics and Proposed Changes

Table 1 Summary of Site Statistics and Proposed Changes

Item	Existing / Current Condition	Proposed / Post-Expansion Condition
Land use	Existing Costco retail warehouse / discount club use	No change
Building gross floor area	Approximately 14,417.19 m²	No change
Site access	Existing full-moves access from Vince Mazza Way and South Service Road	No change
Vehicle parking supply	Approximately 670 spaces	Existing supply plus the 204-space expansion area, resulting in a total proposed supply of 872 spaces as identified on the site plan.
Accessible parking supply	Subject to City requirements based on total supply	20 accessible spaces identified, satisfying the calculated minimum requirement based on the proposed supply.
New traffic-generating floor area	None	None
Traffic data collection	Not applicable to the parking-supply-only scope	No additional data collection required based on City staff direction.

2.3 Site Traffic Generation Opinion

Vehicle trip generation for commercial retail uses is primarily driven by the size, type, and intensity of the customer-serving land use. In this case, the proposed works do not increase the Costco building gross floor area and do not introduce a new use. The parking lot expansion therefore provides additional storage for vehicles already destined to the site rather than creating a new trip-generating land use.

On that basis, the addition of 204 parking spaces is not expected to increase the number of vehicle trips entering or exiting the site during the weekday or weekend peak periods. The number of customers attracted to the site is governed by the existing Costco operation, the existing building floor area, customer demand, membership base, and store operations, none of which are proposed to change as part of this application.

From a traffic engineering perspective, the proposed additional parking supply is more appropriately understood as an operational improvement to the existing site. The added spaces provide more on-site parking capacity during peak parking demand conditions and are expected to reduce the amount of circulation required by customers searching for an available parking space. This can reduce unnecessary vehicle circulation within the main parking field, minimize

driver frustration, and lessen the likelihood of customers parking in more remote portions of the adjacent commercial plaza.

A full external traffic impact analysis is not warranted for this scope because the proposal does not add traffic-generating floor area, does not change the site access arrangement, and is not expected to materially change peak hour site trip volumes on the adjacent road network.

3. Parking By-law Review

The City of Hamilton Zoning By-law 05-200 minimum parking requirement for the Costco retail use has been calculated based on the applicable retail parking rates for gross floor area for the existing 14,417.19 square metre Costco building.

3.1.1 Vehicular Parking

The current City of Hamilton Zoning By-Law 05-200 minimum parking requirements are found in Section 5.7.1. The minimum By-Law requirements for the subject site is as follows:

- Retail in areas other than PRA 1:
    - 5.5 for each 100.0 square metres of gross floor area between 450.0 square metres and 4,000 square metres;
    - 2 for each 100.0 square metres of gross floor area greater than 4,000.0 square metres

Therefore, the minimum parking requirement for the Costco with 14,417.19 square metres of retail area is as follows

- Retail uses:
    - 5.5 for each 100.0 square metres of gross floor area between 450.0 square metres and 4,000 square metres x 4000 square metres = 220 spaces
    - 2 for each 100.0 square metres of gross floor area greater than 4,000.0 square metres x 10,417.19 square metres = 208 spaces

In total, 428 parking spaces are required under the City's By-Law 05-200. There is no maximum parking requirement for retail uses.

3.1.2 Accessible Parking

The minimum requirement for accessible parking spaces is provided in the City of Hamilton's Traffic By-law 05-200, Section 5.7.3. The minimum By-Law requirement for accessible parking is based on the number of parking spaces provided, as follows:

- Number of parking spaces provided
    - 5-100 spaces: Minimum 4% of the total parking spaces provided
    - 101-200 spaces: Minimum 1 space + 3% of the total number of parking spaces provided
    - 201-1000 spaces: Minimum 2 spaces + 2% of the total number of parking spaces provided
    - 1000 or more spaces: Minimum 11 + 1% of the total number of parking spaces provided

The minimum number of accessible parking spaces required for the subject site is as follows, based on the number of parking spaces provided.

- Number of parking spaces provided including proposed parking spaces: 872 spaces
    - 201-1000 spaces: Minimum 2 spaces + 2% of the total number of parking spaces provided = 20 spaces

There 20 accessible parking spaces are required under the City's By-law.

3.2 Future Site Parking

The proposed parking supply exceeds the calculated minimum parking requirement. The additional spaces are therefore not required to address a minimum by-law deficiency; rather, they provide additional on-site parking capacity to better accommodate customer parking demand and reduce parking circulation within the site during busier operating periods.

Table 2 Summary of Parking Stats

Parking Component	Applicable Requirement	Calculated Requirement	Proposed Supply
Vehicle parking	City of Hamilton Zoning By-law 05-200 retail parking rates	428 spaces	872 spaces
Accessible parking	City accessible parking requirement based on total number of spaces provided	20 accessible spaces	20 accessible spaces

4. Parking Accessibility and Operational Benefits

A review of the existing and proposed new parking area within the Costco site, and adjacent commercial plaza identified four potential parking zones based on the proximity to the Costco building as shown in **Figure 3.**

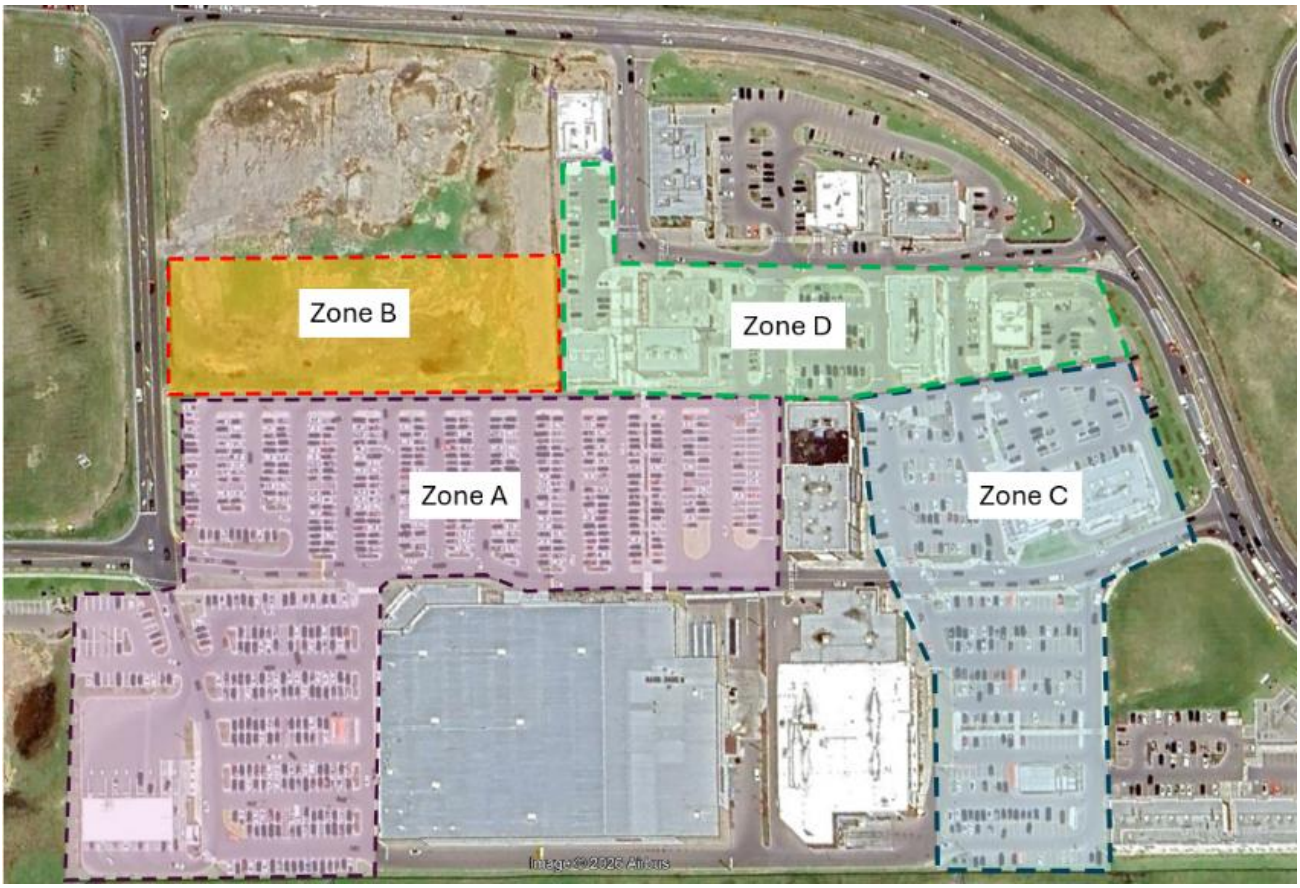


Figure 3 Existing and Proposed Parking Areas

Zone A consists of the existing Costco Parking lot of 670 spaces where customers of the Costco park and enter the building.

Zone B consists of the proposed additional 204 parking spaces for the Costco site. The parking spots in this zone are situated approximately 150 to 200 metres from the main entrance of the Costco building which equates to an approximate 2-minute walk.

Zone C consists of the parking lot for the existing commercial developments on the southeast side of the commercial plaza where Costco customers may opt to park if there are parking spots unavailable for the Costco. If a customer parks in this zone, the distance from the main entrance and the parking spots is approximately 350 to 400 metres which equates to an approximate 5-minute walk to enter the Costco building.

Zone D consists of parking dedicated for the northeast developments commercial plaza where Costco customers can park if spots are unavailable after circulating the site looking for closer spot. If a customer chooses to park in this zone, the distance from the main entrance and the parking spots is approximately 350 to 400 metres which equates to an approximate 5-minute walk to enter the Costco building.

The proposed northern parking expansion is expected to provide a practical operational benefit by increasing the number of spaces available within a shorter walking distance of the Costco entrance than the more remote parking areas within the broader commercial plaza. The expansion should help keep Costco customer parking activity within the intended Costco parking area and reduce reliance on adjacent commercial parking areas during peak demand periods.

The additional supply also supports a more efficient internal circulation pattern. Rather than requiring drivers to circulate repeatedly through the main parking aisles near the store entrance, the expanded northern parking area provides another logical parking destination within the site. This is expected to reduce localized congestion within the

existing parking field, lower the incidence of vehicles waiting for spaces, and improve overall circulation and customer wayfinding.

5. Internal Circulation Review

A review of the proposed layout indicates that passenger vehicles can enter, circulate within, and park within the proposed parking expansion area. The parking aisles and spaces are arranged as a logical extension of the existing parking field and are not expected to create operational constraints for typical customer vehicles.

The proposed expansion does not change the existing external driveway connection to Vince Mazza Way. As such, the traffic operations at the site access are not expected to be materially affected by the parking expansion. Any detailed site plan matters related to pavement marking, signage, pedestrian connections, accessible routes, lighting, snow storage, or final curb geometry can be addressed through the detailed site plan review process.

A vehicle swept path analysis was conducted to assess the site plan circulation for passenger vehicles within the site. The swept path drawings are provided in **Appendix C.**

AT-101 illustrates a passenger vehicle entering the site and circulating the northern parking lot extension.

AT-102 illustrates a passenger vehicle parking into various spaces within the parking extension.

With the addition of the northern parking to the Costco site, there are no issues identified with passenger vehicles entering the site, circulating the new parking lot and parking.

6. Conclusion

This Traffic Brief has been prepared in support of the proposed parking lot expansion for the existing Costco store at 1310 South Service Road in the City of Hamilton. The proposal is limited to the addition of 204 parking spaces and does not include any expansion to the Costco building, any change in land use, or any change to the existing site access arrangement.

Based on a review of the proposed development, site characteristics, parking supply, and applicable transportation planning principles, it is our professional opinion that the proposed parking lot expansion is not anticipated to generate additional vehicle trips on the surrounding roadway network. Trip generation is primarily driven by the type, size, and intensity of the land use, all of which remain unchanged as part of this application. The proposed parking expansion serves to accommodate the parking demands of the existing Costco operation and does not represent an intensification of the use.

The parking review confirms that the proposed parking supply exceeds the minimum parking requirements of City of Hamilton Zoning By-law 05-200. In addition, the proposed accessible parking supply satisfies the applicable accessibility requirements.

From a transportation perspective, the proposed parking lot expansion is expected to improve the overall operation of the site by increasing parking availability, reducing circulation associated with motorists searching for parking spaces, and enhancing the efficiency of internal parking lot operations. Based on the findings of this review, the proposed parking lot expansion can be supported and is not anticipated to result in adverse transportation impacts on the surrounding road network.

We trust that this satisfies the City’s requirements for the Transportation/Traffic Brief. Please contact the undersigned if you have any questions or require any further information.

Sincerely,

GHD



William Maria, P. Eng.

Transportation Planning Lead

Appendix A

Terms of Reference

Outlook

RE: Terms of Reference - 1310 South Service Road (Costco Parking Expansion)

From Wyllie, Brad <Brad.Wyllie@hamilton.ca>
Date Tue 8/4/2026 1:30 PM
To Vincenzo Costantino <Vincenzo.Costantino@ghd.com>
Cc Will Maria <William.Maria@ghd.com>; Transportation Planning <Transportation.Planning@hamilton.ca>

Some people who received this message don't often get email from brad.wyllie@hamilton.ca. Learn why this is important

Hello Vincenzo,

I understand that our manager Jill Juhlke, had a call with Matt Johnston on Friday regarding the requirements for the Transportation Brief. Matt should be able to provide the details discussed.

Thanks & Regards,

Brad Wyllie
Project Manager, Transportation Planning – Development Approvals
Transportation Planning and Parking
Planning and Economic Development, City of Hamilton
905-546-2489 x 1713
Hamilton

From: Vincenzo Costantino <Vincenzo.Costantino@ghd.com>
Sent: Thursday, July 30, 2026 10:04 AM
To: Wyllie, Brad <Brad.Wyllie@hamilton.ca>; Transportation Planning <Transportation.Planning@hamilton.ca>
Cc: Will Maria <William.Maria@ghd.com>; Brosseau, Bart <Bart.Brosseau@hamilton.ca>
Subject: Re: Terms of Reference - 1310 South Service Road (Costco Parking Expansion)

External Email: Use caution with links and attachments.
Hi Brad,

Thank you for the update, will we also expect a response next week for the residential development Terms of Reference at 1310 South Service Road as well?

Best Regards,
Vincenzo Costantino

Vincenzo Costantino, P.Eng
Transportation Engineer

GHD Ltd.
T: +1 905 247-7188 | E: vincenzo.costantino@ghd.com
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From: Wyllie, Brad <Brad.Wyllie@hamilton.ca>
Sent: Thursday, July 30, 2026 9:40 AM
To: Transportation Planning <Transportation.Planning@hamilton.ca>; Vincenzo Costantino <Vincenzo.Costantino@ghd.com>

Outlook

Fw: Costco Update Call

From Raf Andrenacci <Raf.Andrenacci@ghd.com>
Date Tue 8/4/2026 1:47 PM
To Vincenzo Costantino <Vincenzo.Costantino@ghd.com>

1 attachment (867 KB)
541-26-Concept Plan-2026-07-29.pdf;

Regards,
Raf

Rafael Andrenacci
Transportation Planner

GHD Ltd.
T: 905 814 4386 | E: raf.andrenacci@ghd.com
100 Milverton Drive Suite 404, Mississauga, ON L5R 4H1 | www.ghd.com
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From: Matthew LeBlanc <mleblanc@urbansolutions.info>
Sent: Thursday, July 30, 2026 11:35 AM
To: Raf Andrenacci <Raf.Andrenacci@ghd.com>; Will Maria <will.maria@ghd.com>
Cc: Matt Johnston <mjohnston@urbansolutions.info>
Subject: Re: Costco Update Call

Good morning Raf,

Matt and I just had a meeting with Jill Juhlke, a Manager in the City's Transportation Planning department regarding this project. Here's a brief overview of what was discussed:

Costco Parking Lot Expansion:

Jill noted that a short Transportation/Traffic Brief is acceptable for the parking lot expansion development and agreed that the addition of 204 parking spaces is not anticipated to generate any additional trips. She therefore confirmed that no additional data collection is required for this scope. In terms of the contents of the Brief, she is looking for an overview of the site statistics and proposed changes (i.e., the addition of 204 parking spaces) and a professional opinion that such is not anticipated to generate any additional trips. Based on this, are you able to begin preparing the Brief and share an approximate timeline for completion so we can establish a target submission date for our planning applications?

Residential Development:

Unlike the parking lot expansion, data will be required for this TIS (we already knew this). Jill did note that the City has the following intersection data that can be relied upon for the purpose of your Report:

- South Service Road & Fifty Road (data from April 2024 - She said she would accept you using this data even though it's slightly past the 2-year mark)
- Vince Mazza Way & South Service Road (data from April 2025)
- Vince Mazza Way & Winona Road (data from September 2025)

To request this data, she suggested that you reach out to the City's Traffic/Transportation Operations department through the City's website. She mentioned that getting this data can take a couple of weeks but it's good news that it exists!

We also discussed the proposed site design (most up-to-date plan attached) which proposes an entrance onto South Service Road. She noted that this entrance will likely not be supported by staff, so we are going to go back to the owner and request that it be removed. She also highlighted the importance of having the proposed entrance onto Vince Mazza Way align with that of the proposed mixed-use (DeSantis) development to the west. We will also discuss this with the owner and hopefully have a revised Site Plan to you shortly.

In terms of the TOR, she mentioned that getting feedback from the MTO before the City would be ideal, as MTO requirements are generally more stringent that the City's. Have you heard back from MTO staff yet?

Happy to jump on a call to discuss any of the above in more detail.

Regards,

Matthew LeBlanc, MCIP, RPP
Planner
T: (905) 546-1087 **C:** (905) 467-6334
Email: mleblanc@urbansolutions.info

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From: Raf Andrenacci <Raf.Andrenacci@ghd.com>
Sent: Tuesday, July 21, 2026 8:11 AM
To: Matt Johnston <mjohnston@urbansolutions.info>; Matthew LeBlanc <mleblanc@urbansolutions.info>; Will Maria <will.maria@ghd.com>
Subject: Re: Costco Update Call

Some people who received this message don't often get email from raf.andrenacci@ghd.com. Learn why this is important

Hi Matt,

See attached our first response from the City. We can respond that the Terms of Reference is for an upcoming development application for the property that is subject to an approved TIS, and that we would like to scope down the type of report going in for only the Costco parking lot expansion.

Regards,
Raf

Rafael Andrenacci

Outlook

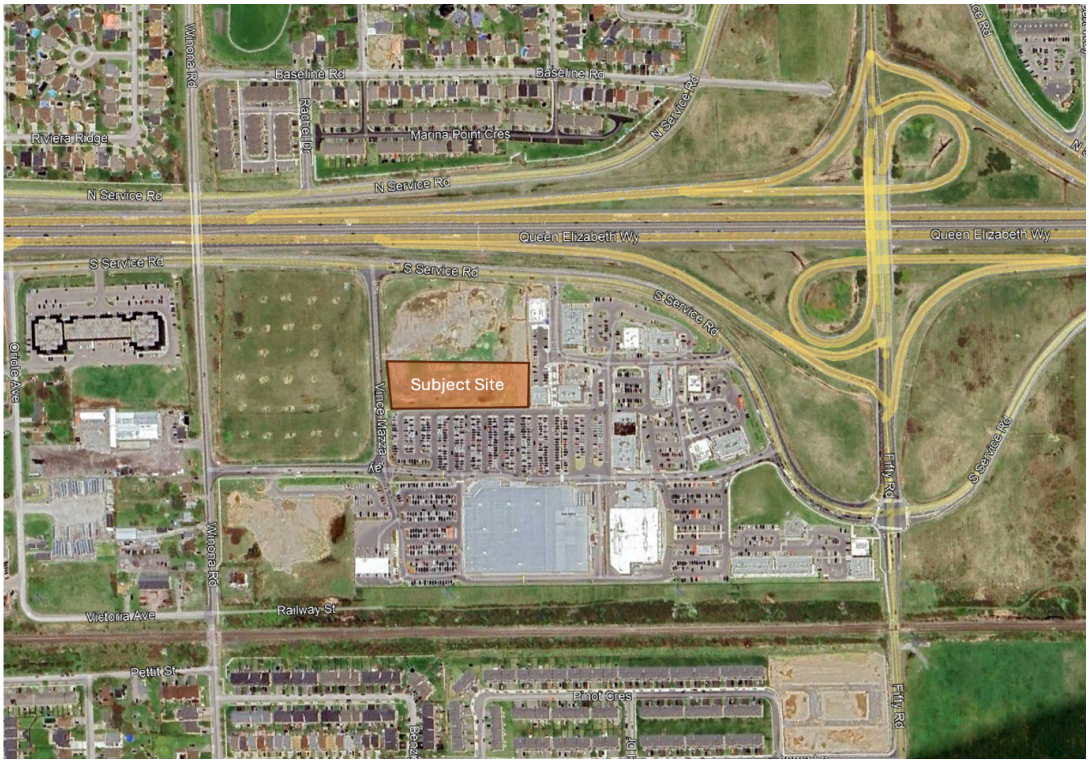
Terms of Reference - 1310 South Service Road (Costco Parking Expansion)

From Vincenzo Costantino <Vincenzo.Costantino@ghd.com>
Date Thu 7/9/2026 9:50 AM
To Brosseau, Bart <bart.brosseau@hamilton.ca>
Cc Will Maria <William.Maria@ghd.com>

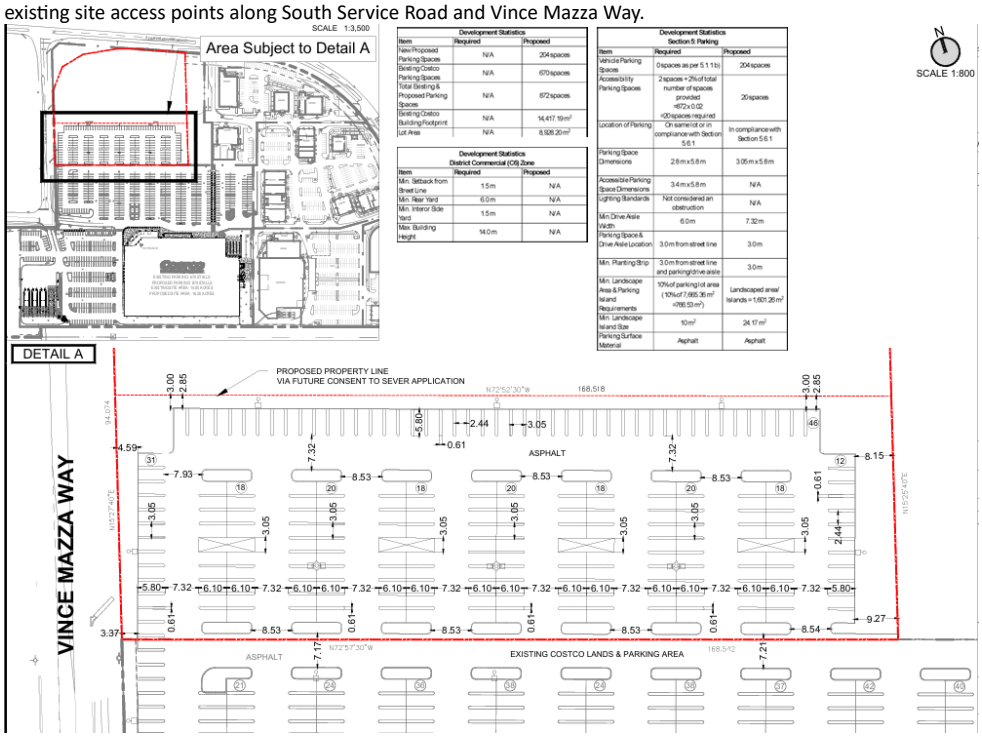
Hi Bart,

Please see below our Terms of Reference for the following development.

GHD Inc. has been retained to prepare a Transportation Impact Study for a proposed expansion of Costco's existing parking supply located at 1310 South Service Road in Hamilton in support of an Official Plan Amendment and Zoning By-law Amendment application



The proposed development consists of an extension of the existing Costco parking area into the southerly portion of the subject lands, to be facilitated through a futur consolidation. The purpose of the transportation study will be to assess the operational and capacity implications of the additional parking supply on the surrounding r existing site access points along South Service Road and Vince Mazza Way.



In order to properly scope this project, we ask that the MTO and City review and provide comments on the following scope and provide any additional items required as part of the study.

Study intersections

- South Service Road & Vince Mazza Way
- Winona Road & Vince Mazza Way
- Vince Mazza Way & Vince Mazza Way (Costco Access)
- South Service Road & North Plaza Access
- South Service Road & East Plaza Accesses
- Fifty Road & South Service Road
- Fifty Road & QEW EB Ramp (MTO)
- Fifty Road & QEW WB Ramp (MTO); and
- Vince Mazza Way & Future West Site Access.

Traffic Data

GHD will organize the collection of traffic counts at the existing study intersections during the weekday a.m., p.m. and Saturday peak hours (anticipated to be 7:00–9:00 a.m. and 4:00–6:00 p.m. for weekdays and 11 a.m. to 4:00 p.m. on Saturday). Please confirm if the traffic counts can be collected during the summer months or if they will be required once schools are open back in September.

Study Peak Hours
Weekday a.m. and p.m. peak hours, and Saturday peak hour

Study Horizon Year
2026 (existing), 2029 (Build-out) and 2034 (five years post build-out), and 2039 (ten years post build-out) as per the City and MTO TIS Guidelines.

Background Growth Rate
GHD proposes 1% growth area for City roads and 2% growth rate for MTO Ramps.

Background Development Traffic

GHD identified the following developments to receive confirmation from the City to include as background developments in the TIS and any additional developments not mentioned.

- 1290 South Service Road (DA-22-081)
- 400 Winona Road
- 394 Winona Road

Additionally, once confirmed, can the City provide any available background TIS reports to include in this study

Trip Generation
Will be completed using the existing traffic counts of the intersections adjacent to the Costco to establish the inbound and outbound traffic of the existing Costco in order to determine a trip rate based on the current parking for the site. This rate will be applied, using the new proposed parking spaces to determine the site trip generation for the additional parking spaces for the subject site. City and MTO to confirm if this approach is acceptable.

The directional distribution of traffic approaching and departing from the site will be determined based on the Costco existing local patterns, and first principles.

The analysis will identify the transportation system requirements and other measures required to ensure the acceptable operation of the study intersections, including auxiliary turning lanes and other transportation infrastructure improvements.

If the above scope is acceptable to the City and MTO, it will form the basis of our scope of work.

Thank you,

Best Regards,
Vincenzo Costantino

Vincenzo Costantino
Transportation Planner

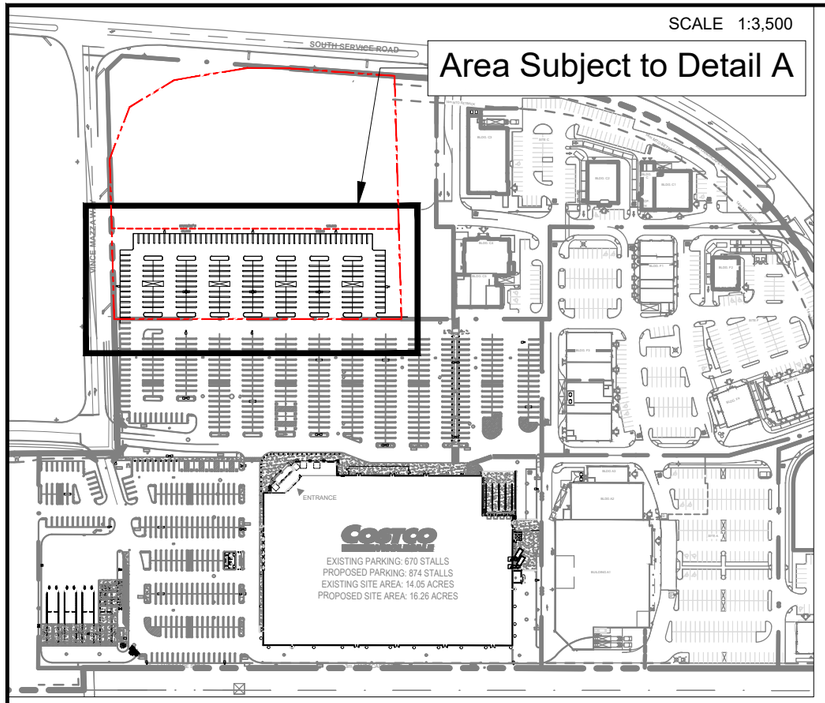
GHD Ltd.
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Appendix B

Site Plan

SCALE 1:3,500

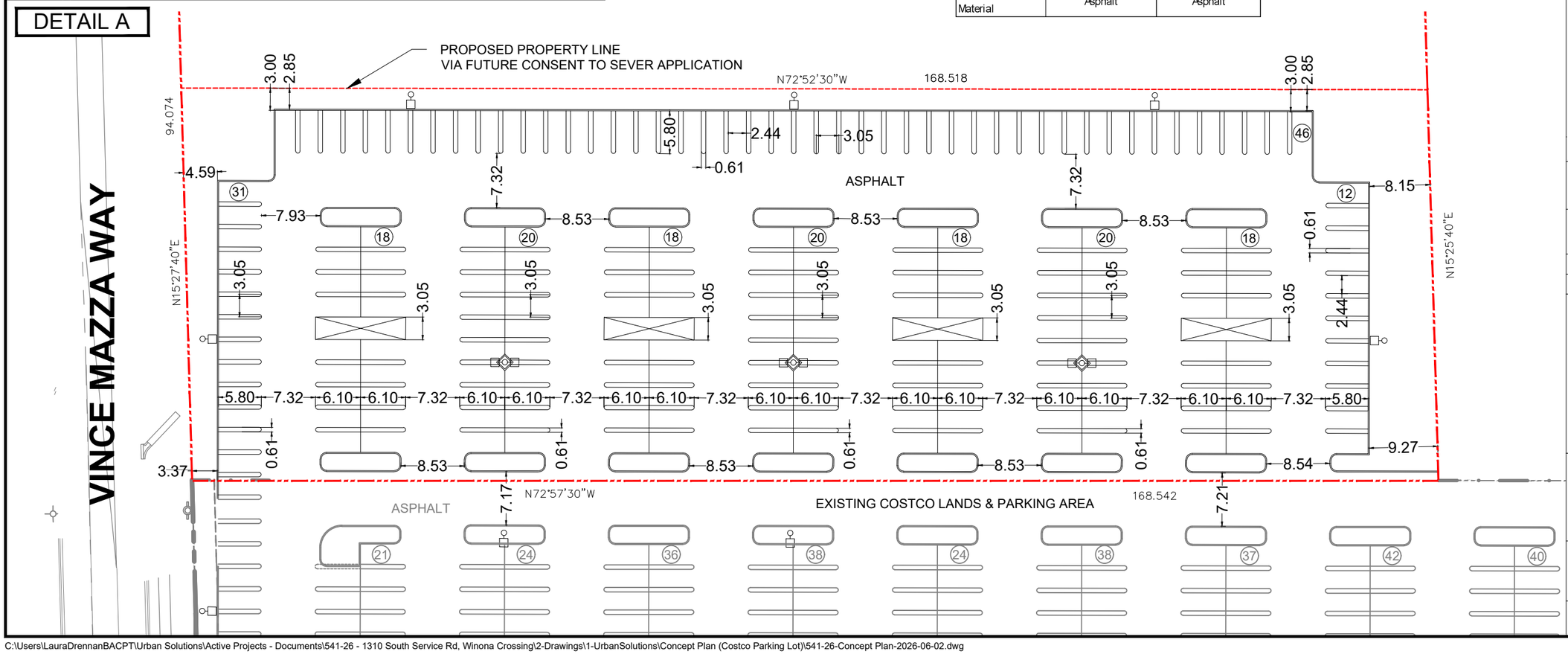


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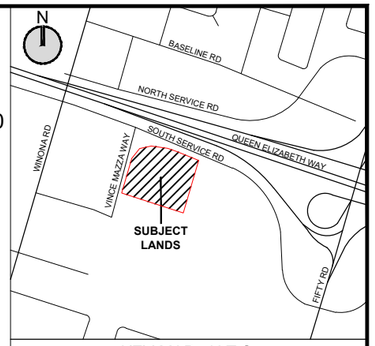
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Parking Space & Drive Aisle Location	3.0 m from street line	3.0 m
Min. Planting Strip	3.0 m from street line and parking/drive aisle	3.0 m
Min. Landscape Area & Parking Island Requirements	10% of parking lot area (10% of 7,665.36 m^2 =766.53 m^2)	Landscaped area/ Islands = 1,601.26 m^2
Min. Landscape Island Size	10 m^2	24.17 m^2
Parking Surface Material	Asphalt	Asphalt

DETAIL A



N

SCALE 1:800



KEY MAP - N.T.S.

SCALE 1:600
METRES

0 10 20 30

LEGEND

- SUBJECT LANDS
- LANDS TO BE RETAINED
- LANDS TO BE SEVERED
- FUTURE SEVERANCE LINE
- LIGHT STANDARD
- LIGHT STANDARD

NOT FOR CONSTRUCTION
ISSUED FOR REVIEW & COMMENTS ONLY

NOTES:
ALL DIMENSIONS SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

DESIGN BY: WSP	CHECKED BY: M. JOHNSTON
DRAWN BY: L. DRENNAN	DATE: MAY 28, 2026

URBAN SOLUTIONS
PLANNING & LAND DEVELOPMENT
3 STUDEBAKER PLACE, UNIT 1
HAMILTON, ON L8L 0C8
905-546-1087 - urbansolutions.info

PROJECT:
1310 SOUTH SERVICE RD, WINONA CROSSING
CITY OF HAMILTON

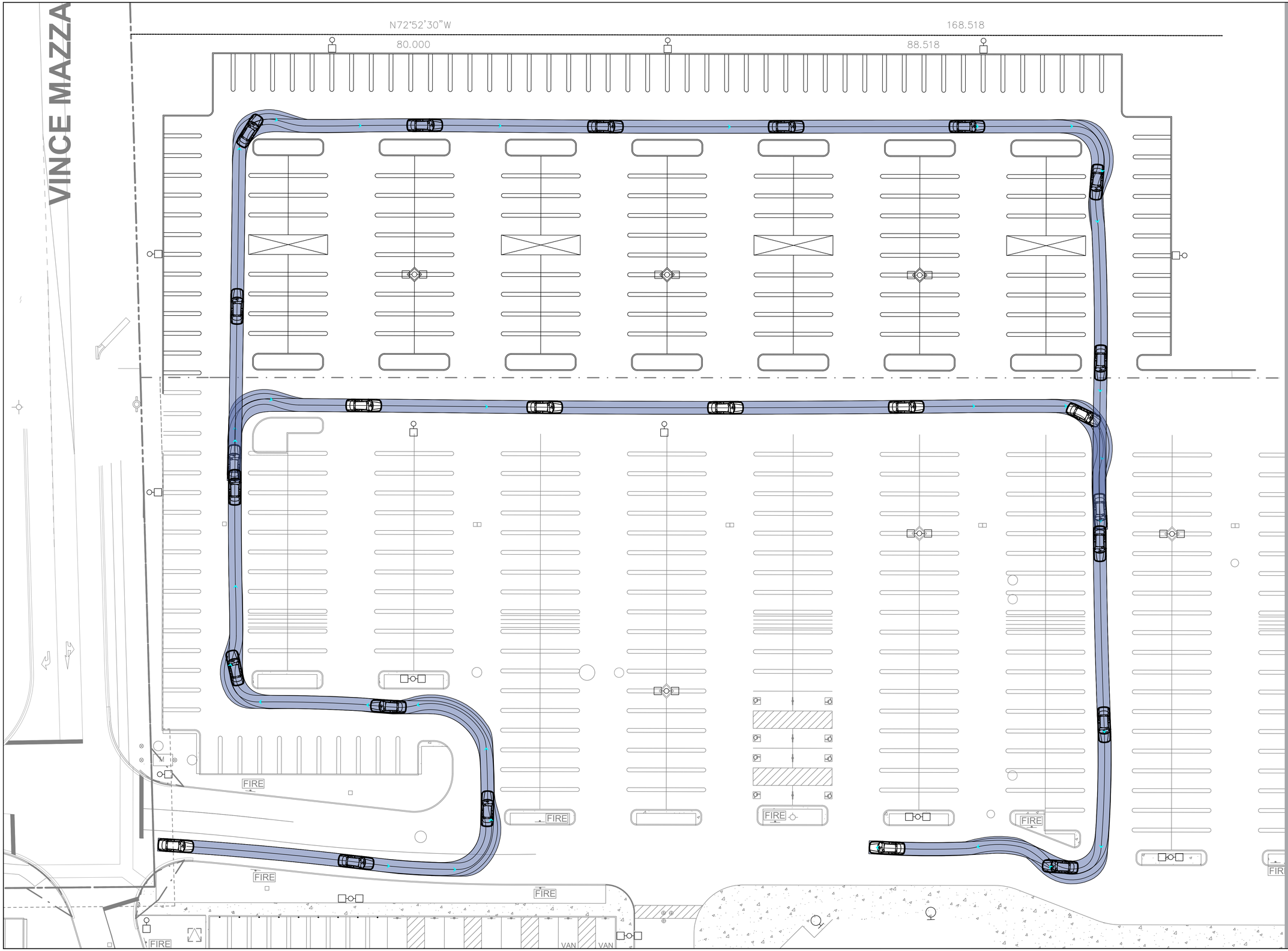
TITLE:
CONCEPT PLAN

U/S FILE NUMBER:	SHEET NUMBER:
541-26	1

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Appendix C

AutoTURN Swept Path Analysis



GHD

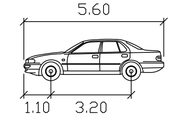
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LICENSED PROFESSIONAL ENGINEER
Aug. 12, 2026
W.C. MARIA
PROVINCE OF ONTARIO



P

	meters
Width	: 2.00
Track	: 2.00
Lock to Lock Time	6.0
Steering Angle	: 35.9

No.	Issue	Checked	Approved	Date
1	First Submission	W.M	W.M	8/12/26

Author	V.C	Designer	V.C
Drafting Check	W.M	Design Check	W.M
Project Manager	W.M	Project Director	W.M

Client

URBAN SOLUTIONS
PLANNING AND LAND DEVELOPMENT

Project

1310 SOUTH SERVICE ROAD (COSTCO PARKING EXPANSION)

Date	Scale
August 12, 2026	NTS

Project No.
-

Title

VEHICLE MANEUVERING DIAGRAM - PASSENGER VEHICLE (CIRCULATION)

Size
ANSI D

Sheet No.
AT-101

Plot Date: 8/12/26 Plotted By: Vincenzo Costantino Path and Filename: N:\CA\Mississauga\Projects\Legacy\SernasTransTech\Projects\2026\1310 South Service Road Costco\Drawings\AutoTURN\BASE AT.dwg



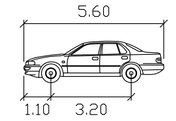
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PLANNING AND LAND DEVELOPMENT

Project

1310 SOUTH SERVICE ROAD (COSTCO PARKING EXPANSION)

Date	Scale
August 12, 2026	NTS

Project No.
-

Title

VEHICLE MANEUVERING DIAGRAM - PASSENGER VEHICLE (CIRCULATION)

Size
ANSI D

Sheet No.
AT-102

Plot Date: 8/12/26 Plotted By: Vincenzo Costantino Path and Filename: N:\CA\Mississauga\Projects\Legacy\SernasTransTech\Projects\2026\1310 South Service Road Costco\Drawings\AutoTURN\BASE AT.dwg


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