







LEGEND

-  Property Boundary
-  Dripline
-  Canopy Identified for Preservation
-  Canopy Identified for Removal
-  Proposed Canopy
-  Proposed Street Tree Location
- 259** Tree Number
- T1** Proposed Tree Number*

* Refer to Adesso Design Inc.'s Landscape Plan for more information.

Canopy Cover Analysis

Based on the driplines reported in the inventory, a canopy cover analysis was completed to determine the amount of canopy identified for preservation and the proposed amount of canopy based on new plantings. Where trees are situated together and their canopies form continuous cover, the canopy area was determined for the group of trees such that overlapping canopy areas were omitted. Trees situated on the subject property and are being retained had a bonus factor of 1.5 applied to their canopy areas. The canopy areas of trees situated on adjacent properties whose overhang the subject property were calculated; however, a bonus factor was not applied to the canopy areas of these trees.

The results of the analysis indicate that there is a total of 1145.6m² of existing canopy area situated on subject property, including existing trees overhanging the subject property. Preservation of 304.9m² of canopy area will be possible with appropriate tree protection measures. A total of 129.0m² of canopy area is being preserved from trees that occur on the subject site. A bonus factor of 1.5 applied to canopy cover to be preserved on the existing property, resulting in an existing canopy area of 194m². A total of 176m² of canopy area is being preserved from trees that occur on properties adjacent to the subject site but overhang the subject property. Proposed landscape plantings account for a proposed increase of 1120m² of canopy area. The total canopy area is 1490m² within a subject property area of 7195m², resulting in a canopy coverage of 20.7%. This exceeds the canopy cover target of 15% for the proposed land use.

PLANT LIST/CANOPY CALCULATION CHART										
KEY	TREE #	Botanical Name	Common Name	Size/Remarks	Qty	Stature (m)	Soil Volume (m ³)	Volume (m ³)	Canopy Area (m ²)	Sub-total (m ²)
Proposed Trees										
T1		Acer rubrum	Red Maple	50mm cal., B&B	1	M	12.4	12.4	78.5	79
T2 - T6		Acer rubrum	Red Maple	50mm cal., B&B	5	M	100.8	20.2	72.0	360
T7		Quercus rubra	Red Oak	50mm cal., B&B	1	L	17.7	17.7	153.9	154
T8 - T11		Ostrya virginiana	Ironwood	50mm cal., B&B	4	S	140.4	28.1	7.1	28
T12		Ostrya virginiana	Ironwood	50mm cal., B&B	1	S	140.4	28.1	4.5	4
T13		Quercus rubra	Red Oak	50mm cal., B&B	1	L	32.4	32.4	151.4	151
T14		Quercus rubra	Red Oak	50mm cal., B&B	1	L	65.3	65.3	153.9	154
T15 - T17		Acer rubrum 'Armstrong Gold'	Armstrong Gold Red Maple	50mm cal., B&B	3	S	279.8	46.6	7.1	21
T18, T19		Cercis canadensis	Eastern Redbud	50mm cal., B&B	2	S	279.8	46.6	7.1	14
T20		Fagus grandifolia	American Beech	50mm cal., B&B	1	L	279.8	46.6	153.9	154
					20					1,120
Existing Canopy on Site										
					240, 253, 425					66.0
					261, 262					63.0
							Subtotal		129.0	129.0
							multiplied by bonus factor of 1.5		194	194
Existing Canopy Overhanging Site										
					N13					50.3
					N14, N15					56.8
					N16					50.3
					N17					12.6
					N18					12.6
					N19					7.1
									190	190
CANOPY SUMMARY										
TOTAL CANOPY m²										1,503
Canopy Summary										
Site Area (m ²)										7,195
Site Canopy Cover										20.9%
Land use Canopy Cover Target										15%
Canopy Summary										
Total Parking Spaces Proposed										62
Total # of Trees within 5m of Parking Area										11



No.	Issue/Revisions	Date	By
1	Report Submission	8 Dec. 21	KNH

Base Data: Stantec Geomatics Ltd. (survey), Raw Design (site plan)

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Existing Conditions, Proposed Site Plan
 Canopy Cover Plan

Project	P2873 (P2254)	Figure	2
Date	8 December 2021		
Scale	1:250		