

No.	Botanical Name	Common Name	DBH (cm)	CRZ (m)	Condition	Owner	Remarks	Recomm.
1	<i>Acer saccharum</i>	Sugar Maple	78.1	7.81	Poor	City	<p>Lots of dead branches, very mixed results for setting of buds, weak annual incremental growth, Girdling roots visible and compromises evident in root flare. Lack of canopy on the north side.</p> <p>The girdling and binding roots are leading to the tree's decline. Slow annual increment, presence of major deadwood internal to the tree's crown and dieback at its periphery are some of the signs of decline. Decline will continue until the tree becomes hazardous to be public.</p>	PROTECT
2	<i>Acer rubrum</i>	Red Maple	65.2	6.52	Good	City	<p>Good vigour and full canopy on all sides, lots of strong buds set. Good root flare around the trunk.</p>	PROTECT

NOTE: The extent of the root system and the actual impact on the CRZ of existing trees will be confirmed at the site during the site plan application process.

TOPOGRAPHIC INFORMATION:
HORIZONTAL DATUM: NAD 83 (ORIGINAL), MTM - ZONE 9
VERTICAL DATUM: CGVD28:78

1. ANNIS, O-SULLIVAN, VOLLEBEKK LTD'S TOPOGRAPHIC PLAN OF SURVEY
2. NOVATECH TOPOGRAPHIC SURVEY, APRIL 2024

Planting bed no.	Available Soil Area (sq m)	Available Soil Volume (cu m)	No. of trees proposed		Total No. of trees	Min. required Soil volume total (cu m)
			Small (20m²)	Medium (25m²)		
Planting bed 8	76	76	0	2	2	36.00
Planting bed 9	57	57	0	1	1	30.00
Planting bed 10	44	44	0	0	0	NA
Planting bed 11	44	44	0	1	1	30.00
Planting bed 12	55	55	1	1	2	33.00
Planting bed 13	85	85	0	3	3	54.00

Note: For all planting beds proposed, the available soil depth is considered to be 1m

1. The Landscape Architect or Certified Arborist is to determine the location of the tree protection fencing and detail it on any associated plans for the site (e.g. tree conservation report, tree disclosure report, etc.).
2. Use the guidance from the Landscape Architect or Certified Arborist, erect a fence at the critical root zone (CRZ) of trees. Diameter at breast height (DBH) is the trunk diameter measured at 1.3m height on the tree trunk. The CRZ is calculated as 10x DBH to 10x the Tree Protection Fence detail.
3. Refer to the Tree Protection Plan for fence location. City Forestry Staff are to approve both the plan and the installed fence prior to work commencement.
4. Do not place any material or equipment within 2m of the CRZ of any tree, including outcrops.
5. Do not attach any signs, notices, or posters to any tree.
6. Do not disturb, raise, or move the existing grade within the CRZ without approval.
7. Only trunk or bore when digging within the CRZ of a tree. Hand work only where required within the CRZ, absolutely no machinery permitted.
8. Do not damage the root system, trunk, or branches, or any tree.
9. Do not extend hard surface or significantly change landscape.
10. Ensure that exhaust fumes from all equipment are directed away from any tree canopy.
11. Prior to any tree placement, notify and consult the Landscape Architect and City Forestry Staff if roots must be cut. Roots 20mm or larger should be cut at right angles with clean, sharp horticultural tools without tearing, crushing, or pulling. Refer to City of Ottawa Specification S.P. F-8011 Tree Protection, Excavation of Root Zone.
12. If trees have objectionable branches are observed, consult the Landscape Architect, before any work is conducted. Do not prune leaders. Do not prune more than 1/4 of crown.
13. Set up a water and fertilizing program, if trees are being affected by site works, to the satisfaction of the Landscape Architect.
14. If the protected area Architect is to prescribe mitigation measures if the protected fenced area must be reduced to facilitate construction. Measures may include the placement of plywood, wood chips, or steel plating over the roots for protection. City Forestry Staff are to approve said measures prior to fence movement.
15. City of Ottawa Bylaw protects municipal trees and municipal natural areas in the City of Ottawa and trees on private property in the urban area of the City of Ottawa (2020-340).

1. The landscape plans have been developed in accordance with the Geotechnical Investigation Report PG6948-1 prepared by Paterson Group, dated February 1, 2024 and PG6948-1 MEMO-01 prepared by Paterson Group issued by Scott S. Dennis, P.Eng on April 29, 2024, that confirms the categories and locations of clay soils.
2. In this case tree planting is restricted by sensitive clay.
3. The following City of Ottawa clay soils guideline applies: Guidelines for Tree Planting in Sensitive Marine Clay Soils-2017.
4. The soil volumes provided are sufficient for a reasonable chance of tree survival. Unless otherwise noted, all new trees on City property meet the minimum soil volume requirements of the following, based on a depth of 1.5m below finished grade, and subtracting the volume of utility trenches.
 - a. Small tree (mature height up to 7.5m) - 25m³ minimum soil volume provided.
 - b. Medium tree (mature height 7.5-14m) - 30m³ minimum soil volume provided.

Where trees share a continuous greenspace:

 - c. Two (2) small trees - 15m³ minimum soil volume provided per tree.
 - d. Two (2) medium trees - 18m³ minimum soil volume provided per tree.

1. There are no trees proposed in the Block 28.
2. Adjacent to Block 28, there are 9 medium trees and 1 small tree proposed in the right of way, along Deschatelets Avenue

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING	NATIVE/ NON-NATIVE	OWNER
Deciduous Street Trees (Medium) - ROW								
ARR	5	<i>Acer rubrum</i> 'Frankr.'	Redpointe Red Maple	50mm Cal	WB	As Show n	C	City
COC	2	<i>Celtis occidentalis</i> 'Chicagoland'	Chicagoland Hickory	50mm Cal	WB	As Show n	C	City
GBA	2	<i>Ginkgo biloba</i> 'Autumn Gold'	Autumn Gold Ginkgo	50mm Cal	WB	As Show n	E	City
Deciduous Trees (Small) - ROW								
MR	1	<i>Morus Royalty</i>	Royalty Gracapple	50mm Cal	WB	As Show n	E	City
Coniferous Shrubs								
Tm	5	<i>Taxus media</i> 'Hicksii'	Hicks 'Yew	100cm Ht	BB	As Show n	E	Private
Deciduous Shrubs								
Am	10	<i>Aronia melanocarpa</i>	Black Chokeberry	60cm Ht	PT	As Show n	C	Private
AX1	98	<i>Aronia x Low Spaced Mound</i> (JCCONAM165)	Low Spaced Mound Chokeberry	40cm Ht	PT	50cm O.C	C	Private
CR	27	<i>Clethra alnifolia</i> 'Ruby Spice'	Ruby Spice Summervest	60cm Ht	PT	80cm O.C	C	Private
Ov3	32	<i>Cornus sanguinea</i> 'Winter Beauty'	Winter Beauty Dogyood	50cm Ht	PT	120cm O.C	E	Private
HF	55	<i>Hydrangea paniculata</i> 'Tiny Quick Fire' (SMNH58)	Tiny Quick Fire Hydrangea	40 cm Ht	PT	70cm O.C	E	Private
Perennials								
cvm	120	<i>Coreopsis verticillata</i> 'Moonbeam'	Moonbeam Threadleaf Coreopsis	1g	PT	45cm O.C	E	Private
grs	146	<i>Geranium macrochilum</i> 'Spessart'	Spessart Cranesbill	1g	PT	45cm O.C	E	Private
gr3	208	<i>Geranium 'Rozanne'</i>	Rozanne Cranesbill	1g	PT	45cm O.C	E	Private
gbs	146	<i>Gillenia trifoliata</i>	Bowman's Root	1g	PT	60cm O.C	L	Private
gbs	98	<i>Hemerocallis 'Gentle Shepherd'</i>	Gentle Shepherd Daylily	1g	PT	45cm O.C	E	Private
hrr	100	<i>Hemerocallis 'Happy Returns'</i>	Happy Returns Daylily	1g	PT	30cm O.C	E	Private
hrr	52	<i>Hemerocallis 'Peach Magiola'</i>	Peach Magiola Daylily	1g	PT	45cm O.C	E	Private
Ornamental Grasses								
pvn	125	<i>Panicum virgatum</i> 'Northwind'	Northwind In Switch Grass	1g	PT	70cm O.C	C	Private

*Note: (L)ocal region, (C)ultivar of local region plant, (P)rovincial, (E)xotic or non-native



3-D1	DETAIL SHEET # _____ EG. L1, L2, ETC.	NOVATECH OR CITY DETAIL NUMBER SEE LIST FOR CODE
---	PROPERTY LIMIT	
—	BUILDING LINE	
=====	RETAINING WALL, REFER TO SITE PLAN	
	EXISTING TREES TO RETAIN	
	CRITICAL ROOT ZONE OF HERITAGE TREES	
	CRITICAL ROOT ZONE OF TREES IMPACTED BY DEVELOPMENT	
	PROPOSED TREE PROTECTION FENCE 1.8m Ht.	
----	SHALLOW ROOT PRUNING, 2024 APPROX. DEPTH OF 300mm	
	PROPOSED DEEP ROOT PRUNING, 2025 APPROX. DEPTH OF 1000mm	
	STAMPED CONCRETE	
	STAMPED CONCRETE WITH CU SOIL & ROOT PATHS, REFER TO 114025-TTP1	
	ROOT PATHS, REFER TO 114025-TTP1	
	POURED CONCRETE TERRACE	
	RIVER STONE	
	PERENNIALS	
	ORNAMENTAL GRASSES	
	SOD	
	SHRUBS	
	PROPOSED DECIDUOUS TREES	
	DECIDUOUS TREES PROPOSED IN THE FORECOURT PARK BLOCK	
	OFF-SITE DECIDUOUS TREES	
	OFF-SITE CONCRETE	
	EXISTING STREETLIGHTS	

1. Read and interpret this drawing/ drawing set in conjunction with all the contract details and specifications, including related civil, utility, structural, architectural, mechanical, electrical, environmental, geotechnical, and survey information.
2. The Contractor is to determine the exact location, size, nature and elevation of all existing utilities prior to commencing construction. Protect and assume responsibility for all existing utilities regardless of being shown on the drawings.
3. It is essential to use the plans and details in conjunction with the specifications and notes.
4. Do not scale drawings. Work to dimensions only.
5. Preserve all existing and retained vegetation for the duration of construction according to the contract details and specifications.
6. Reinstale all areas and items damaged or disturbed, beyond the Limit of Work, because of construction activities, including but not limited to construction staging areas, haul roads, stockpile areas, etc. to the satisfaction of the Consultant.
7. Reinstale and improve the Contractor is to reinstate all areas to pre-construction condition or better to the satisfaction of the Contract Administrator.

1. Plant material to be No. 1 Grade and is to comply with Canadian Standards for Nursery Stock (latest edition) published by the Canadian Nursery Landscape Association.
2. Use structurally sound plant material with strong fibrous root system free of dieback and other diseases. Use trees with straight trunks, well and characteristically branched for species. Obtain approval from consultant of plant material at source prior to digging. All trees and shrubs to be container grown, potted, W/B or B/B, as indicated on Plant List. Bare root plants are only acceptable for certain species and as approved by the Landscape Architect.
3. Plant material substitutions are not be permitted without the written approval from the Consultant, **with 48 hours notice**, prior to shipping plant material.
4. Plant locations are schematic / approximate only. **Contractor is to stake out locations on site and approval by the Landscape Architect prior to installation.**
5. The illustrated number of plants shown in the Planting Plan supersedes the estimated number in the Plant List. Contractor to report any discrepancies to the Landscape Architect prior to installation. Contractor will assume full responsibility if the number of plants installed is not notified.
6. Ensure trees are thoroughly watered following planting. Monitor material and ensure adequate moisture until acceptance.
7. In heavy clay or poorly drained soils, set root ball with root collar 75-100mm higher than finished grade.
8. Approved topsoil to be:
 - a. Plant Beds - **450mm** continuous depth. Applies to shrubs, perennials, vines, and groundcovers.
 - b. Sod/ Seed Areas - **100mm** depth.
 - c. Reforestation - **300mm** depth.
9. Sod to be No. 1 Kentucky Bluegrass Sod grown from minimum mixture of 3 Kentucky Bluegrass cultivars. Quality and source are to comply with Canadian Standards for Nursery Stock (latest edition) published by the Canadian Nursery Landscape Association.
10. Apply the following mineral fertilizer unless soil tests show other requirements:
 - a. Plant Beds - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash per manufacturer specifications.
 - b. Sod Areas - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash per manufacturer specifications.
11. Where applicable, for any plant areas with a mix of species/ cultivars notes, Contractor is to cluster like plants in groups of 3-5 and evenly distribute these in the noted area.

Related details from City of Ottawa Standard Tender Documents
Volume No. 2 Standard Detail Drawings.

Found on Sheet L3.

- D1. Standard Deciduous Tree Planting
- D2. Shrub and Perennial Planting
- D3. Tree Protection Fence
- D4. River Stone Detail

DISCLAIMER:
The elements on this plan illustrate the design intent and general constructability of the proposed landscape which will support the associated development. This is to demonstrate how the canopy cover, urban design, health, and climate change objectives of the Official Plan will be met through tree planting and site design. This drawing is for City review only and is not intended for construction. Final detailed design and construction documentation is to be provided with certified 'Issued for Construction' drawings and specifications prior to construction.

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS,
WATERMAINS, SEWERS AND OTHER
UNDERGROUND AND OVERGROUND UTILITIES AND
STRUCTURES IS NOT NECESSARILY SHOWN ON
THE CONTRACT DRAWINGS, AND WHERE SHOWN,
THE ACCURACY OF THE POSITION OF SUCH
UTILITIES AND STRUCTURES IS NOT GUARANTEED.
BEFORE STARTING WORK, DETERMINE THE EXACT
LOCATION OF ALL SUCH UTILITIES AND
STRUCTURES AND ASSUME ALL LIABILITY FOR
DAMAGE TO THEM.

					8.	RE-ISSUED FOR SITE PLAN APPROVAL	MAY 22/25	RGJ	SCALE 1:250
					7.	REVISED PER SITE PLAN UPDATES	APR 29/25	RGJ	
					6.	REVISED PER CITY COMMENTS	NOV 29/24	RGJ	
					5.	RE-ISSUED FOR SITE PLAN APPROVAL	OCT 17/24	RGJ	
					4.	ISSUED FOR SITE PLAN APPROVAL	AUG 14/24	RGJ	
					3.	ISSUED FOR COORDINATION	AUG 8/24	RGJ	
					2.	ISSUED FOR COORDINATION	JULY 4/24	RGJ	
					1.	ISSUED FOR DISCUSSION	APR 26/24	RGJ	
9.	RE-ISSUED FOR SITE PLAN APPROVAL	JUN 10/25	RGJ						
No.	REVISION	DATE	BY	No.	REVISION	DATE	BY		

SCALE

1:250

1:250

4 6 8 10

DESIGN

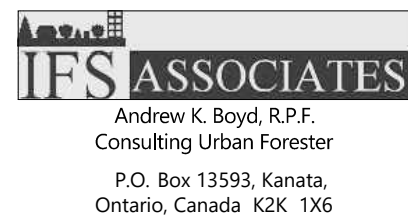
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LOCATION
CITY of OTTAWA

DRAWING NAME	PR
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355 DESCHÂTELETS AVE.
LANDSCAPE PLAN AND
TREE CONSERVATION PLAN

PROJECT No. _____

REV# 0

DRAWING No. _____

PLANA1.DWG - 841mmx594mm

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