

lanting bed no.	Available Soil Area (sq m)	Available Soil Volume (cu m)	No. of tree	s proposed	Total No. of trees	Min. required Soil volume total (cu m)
			Small (20m <sup>3</sup> )	Medium (25m³)		
anting bed 8	76	76	0	2	2	36.00
anting bed 9	57	57	0	1	1	30.00
anting bed 10	44	44	0	0	0	NA
anting bed 11	44	44	0	1	1	30.00
anting bed 12	55	55	1	1	2	33.00
anting bed 13	85	85	0	3	3	54.00

## TREE PROTECTION

Implement the following protection measures for retained trees, both on site and on adjacent sites, prior to any work activity, including tree removal. Maintain tree protection fence in place and in good condition for the duration of site works:

- 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. Under the guidance of a 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 DBH x 10. Refer to the Tree Protection Fence
- detail 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. Do not place any material or equipment within 2m of the CRZ of any tree, including outhouses.
- Do not attach any signs, notices, or posters to any tree. Do not disturb, raise, or lower the existing grade within the CRZ without approval.
- Only tunnel or bore when digging within the CRZ of a tree. Hand work only where required within the CRZ; absolutely no machinery permitted.
- Do not damage the root system, trunk, or branches, or any
- Do not extend hard surface or significantly change landscaping.
- 10. Ensure that exhaust fumes from all equipment are directed away from any tree canopy Prior to work taking place, 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 damaged or 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. The Landscape 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 By-law: 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).

### TREE PLANTING IN SENSITIVE CLAY

- The landscape plans have been developed in accordance with the Geotechnical Investigation Report PG6948-1 prepared by Paterson Group, dated February 1, 2024 and the memo PG6948-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.
- In this case tree planting is restricted by sensitive clay. 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) 25m<sup>3</sup> minimum soil volume provided. b. Medium tree (mature height 7.5-14m) - 30m<sup>3</sup> minimum
- soil volume provided. Where trees share a continuous greenspace c. Two (2) small trees - 15m<sup>3</sup> minimum soil volume provided
- per tree d. Two (2) medium trees - 18m<sup>3</sup> minimum soil volume provided per tree.

#### STREETSCAPE

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

# **PROPOSED PLANT LIST- BLOCK 28**

KEY	<b>QTY</b>	BOTANICAL NAME	соммон	
Deciduo	us Str	eet Trees (Medium) - ROW		
ARR	5	Acer rubrum 'FrankJr'	Redpointe	
COC	2	Celtis occidentalis 'Chicagoland'	Chicagolar	
GBA	2	Ginkgo biloba 'Autumn Gold'	Autumn Go	
Deciduo	ous Tre	ees (Small) - ROW		
MR	1	Malus 'Royalty'	Royalty Ora	
Conifer	ous Sł	hrubs		
Txh	8	Taxus media 'Hicksii'	Hicks Yew	
Deciduo	ous Sh	rubs		
Am	10	Aronia melanocarpa	Black Chok	
AxI	98	Aronia x Low Scape Mound (UCONNAM165)	Low Scape	
Car	27	Clethra alnifolia 'Ruby Spice'	Ruby Spice	
Cw b	32	Cornus sanguinea 'Winter Beauty'	Winter Bea	
Hqf	55	Hydrangea paninculata 'Tiny Quick Fire' (SMNHPSB)	Tiny Quick	
Perenn	ials			
cvm	120	Coreopsis verticillata 'Moonbeam'	Moonbeam	
gms	146	Geranium macrorrhizum 'Spessart'	Spessart C	
gpr	208	Geranium 'Rozanne'	Rozanne C	
gtb	55	Gillenia trifoliata	Bow man's	
hgs	98	Hemerocallis 'Gentle Shepherd'	Gentle She	
hhr	100	Hemerocallis 'Happy Returns'	Happy Retu	
hpmg	52	Hemerocallis 'Peach Magnolia'	Peach Mag	
Orname	ental G	rasses		
pvn	125	Panicum virgatum 'Northwind'	Northw ind	
*Note:	: (L)oc	al region, (C)ultivar of local region plant, (P)	rovincial,	

N APPROVAL	MAY 22/25	RGJ	SCALE	DESIGN			
JPDATES	APR 29/25	RGJ	1:250	TCB CHECKED RGJ DRAWN TCB CHECKED		OF LANDS	
ENTS	NOV 29/24	RGJ			Stan . To		
N APPROVAL	OCT 17/24	RGJ				ASSOCIATES Andrew K. Boyd, R.P.F. Consulting Urban Forester	
PPROVAL	AUG 14/24	RGJ					
ON	AUG 8/24	RGJ	1:250 0 2 4 6 8 10			SSS VERIA AR	P.O. Box 13593, Kanata, Ontario, Canada K2K 1X6
ON	JULY 4/24	RGJ		KW APPROVED RGJ		ONJUN. 10	Telephone (613) 838-5717
	APR 26/24	RGJ				NO SLOT	Website www.ifsassociate.ca
REVISION	DATE	BY					



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