



TREE PROTECTION FENCE

EXISTING TREE INVENTORY

Key	Botanical Name	Common Name	% Compos.	DBH Min-Max	DBH Avg	Owner	Remarks	Recomm.
<b>Group A</b>								
A	<i>Populus grandidentata</i>	Large-Tooth Aspen	30%	5cm-25cm	20cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
A	<i>Populus tremuloides</i>	Trembling Aspen	20%	5cm-25cm	10cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
A	<i>Salix sp. (tree)</i>	Willow	20%	10cm-20cm	15cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
A	<i>Acer rubrum</i>	Red Maple	10%	5cm-30cm	15cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
A	<i>Betula papyrifera</i>	Paper Birch	10%	5cm-10cm	8cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
A	<i>Ulmus americana</i>	White Elm	5%	5cm-10cm	8cm	Neighbour	-	PROTECT
a	<i>Rhamnus cathartica</i>	European Buckthorn	-	-	-	Neighbour	Invasive	PROTECT
<b>Group B</b>								
B	<i>Salix sp. (tree)</i>	Willow	95%	5cm-35cm	25cm	Neighbour	Most trees in good to fair health with limited defects and cavities	PROTECT
B	<i>Betula papyrifera</i>	Paper Birch	3%	5cm-10cm	8cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
B	<i>Populus grandidentata</i>	Large-Tooth Aspen	2%	5cm-10cm	8cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
b	<i>Rhamnus cathartica</i>	European Buckthorn	-	-	-	Neighbour	Invasive	PROTECT
<b>Group C</b>								
C	<i>Betula papyrifera</i>	Paper Birch	40%	5cm-10cm	5cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
C	<i>Acer rubrum</i>	Red Maple	35%	5cm-25cm	15cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
C	<i>Populus grandidentata</i>	Large-Tooth Aspen	15%	5cm-10cm	8cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
C	<i>Salix sp. (tree)</i>	Willow	10%	5cm-10cm	8cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
c	<i>Rhamnus cathartica</i>	European Buckthorn	-	-	-	Shared	Invasive	PROTECT
<b>Group D</b>								
D	<i>Acer rubrum</i>	Red Maple	80%	5cm-40cm	30cm	Neighbour	Most trees in good to fair health with limited defects and cavities	PROTECT
C	<i>Populus grandidentata</i>	Large-Tooth Aspen	15%	5cm-35cm	20cm	Neighbour	Most trees in good to fair health with limited defects and cavities	PROTECT
D	<i>Salix sp. (tree)</i>	Willow	5%	5cm-10cm	8cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
D	<i>Larix laricina</i>	Tamarack	1%	5cm-20cm	15cm	Neighbour	Most trees in good to fair health with limited defects and cavities	PROTECT
D	<i>Picea glauca</i>	White Spruce	1%	5cm-20cm	15cm	Neighbour	Most trees in good to fair health with limited defects and cavities	PROTECT
d	<i>Rhus typhina</i>	Staghorn Sumac	-	-	-	Neighbour	-	PROTECT

Key	Botanical Name	Common Name	% Compos.	DBH Min-Max	DBH Avg	Owner	Remarks	Recomm.
<b>Group E</b>								
E	<i>Pinus sylvestris</i>	Scots Pine	45%	15cm-25cm	20cm	Client	Most trees in good to fair health with limited defects and cavities	Conflict
E	<i>Picea glauca</i>	White Spruce	45%	10cm-20cm	15cm	Client	Most trees in good to fair health with limited defects and cavities	Conflict
E	<i>Thuja occidentalis</i>	White Cedar	10%	5cm-10cm	8cm	Client	Mostly young vigorous trees / Little to no defects present	Conflict
<b>Group F</b>								
F	<i>Populus deltoides</i>	Eastern Cottonwood	20%	20cm-45cm	30cm	Shared	Most trees in good to fair health with limited defects and cavities	Conflict
F	<i>Populus grandidentata</i>	Large-Tooth Aspen	25%	5cm-25cm	20cm	Shared	Mostly young vigorous trees / Little to no defects present	Conflict
F	<i>Populus tremuloides</i>	Trembling Aspen	15%	5cm-25cm	10cm	Shared	Mostly young vigorous trees / Little to no defects present	Conflict
F	<i>Salix sp. (tree)</i>	Willow	15%	10cm-20cm	15cm	Shared	Mostly young vigorous trees / Little to no defects present	Conflict
F	<i>Acer rubrum</i>	Red Maple	10%	5cm-30cm	15cm	Shared	Mostly young vigorous trees / Little to no defects present	Conflict
F	<i>Betula papyrifera</i>	Paper Birch	10%	5cm-10cm	8cm	Shared	Mostly young vigorous trees / Little to no defects present	Conflict
F	<i>Ulmus americana</i>	White Elm	5%	5cm-10cm	8cm	Shared	-	Conflict
f	<i>Rhamnus cathartica</i>	European Buckthorn	-	-	-	Shared	Invasive	Conflict
<b>Group G</b>								
G	<i>Populus grandidentata</i>	Large-Tooth Aspen	20%	5cm-25cm	20cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
G	<i>Populus tremuloides</i>	Trembling Aspen	20%	5cm-25cm	10cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
G	<i>Picea glauca</i>	White Spruce	20%	10cm-20cm	15cm	Client	Mostly young vigorous trees / Little to no defects present	PROTECT
G	<i>Picea abies</i>	Norway Spruce	10%	10cm-20cm	15cm	Client	Most trees in good to fair health with limited defects and cavities	PROTECT
G	<i>Salix sp. (tree)</i>	Willow	10%	10cm-20cm	15cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
G	<i>Acer rubrum</i>	Red Maple	10%	5cm-30cm	15cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
G	<i>Betula papyrifera</i>	Paper Birch	5%	5cm-10cm	8cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
G	<i>Ulmus americana</i>	White Elm	5%	5cm-10cm	8cm	Shared	-	PROTECT
g	<i>Rhamnus cathartica</i>	European Buckthorn	-	-	-	Shared	Invasive	PROTECT



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 the work.

- 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.).
- Individuals or contractors, 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 outbuildings.
- Do not disturb, raise, or lower the existing fence within the CRZ without approval.

- Only tunnel or bore when digging within the CRZ of a tree. Hand work will be required within the CRZ; absolutely no mechanical equipment.
- Do not damage the root system, trunk, or branches, or any tree.
- Do not extend hard surface or significantly change landscaping.
- Ensure all exhaust fumes from all equipment are directed away from any tree canopy.

11. When trees marked for removal overlap with the CRZ of trees marked for preservation: cut roots at the edge of the CRZ and grind down stumps after tree removals, do not pull stumps. Ensure that no root pulling or disturbance of the ground within the CRZ.

12. Prior to working place, notify and consult the Landscape Architect and City Forestry Staff if roots must be cut. Roots 20cm 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.

13. If damaged or objectionable branches are observed, consult the Landscape Architect before working within the CRZ. Do not prune leaders. Do not prune more than 1/4 of crown. Do not prune leaders.

14. Set in a water and fertilizing program, if trees are being affected by site works, to the satisfaction of the Landscape Architect.

15. The Landscape Architect is to prescribe mitigation measures for 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 removal.

16. 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).

