



NOTE:
 Encroachment within the mTPZ of Trees 8, 9, 10, 11 and 12 will be required to accommodate the proposed development. The limit of tree protection fence for Tree 8 must be excavated using an air spade to gently expose any roots that conflict with parking lot/curb construction. If any roots from Trees 8-12 are exposed during construction they must be pruned by a Certified Arborist in accordance with good arboricultural practice to ensure that the root systems are not damaged by the proposed encroachment.

- LEGEND**
- GPS Tree Location
 - 10 Tree Number Identified for Preservation (GREEN)
 - 15 Tree Number Identified for Removal (RED)
 - TPZ Tree Preservation Zone Symbol
 - Minimum Tree Protection Zone (mTPZ)
 - Tree Protection Fence Location
 - Property Boundary

- Tree Protection Recommendations**
 The following recommendations are made in attempts to reduce the impacts to trees identified for preservation:
- Tree protection fence must be installed at the mTPZ distance prior to the commencement of construction (pre-grading), unless noted otherwise on this drawing.
 - Once tree protection fence has been installed it must not be moved, relocated or altered in any way (unless repairing fallen fence etc.) for the duration of the construction period.
 - No intrusion into an area identified on Sheet 1 as a tree preservation zone (TPZ) is allowed at any time during construction unless noted otherwise on this drawing.
 - No storage of machinery, construction debris, materials, waste or any other items is allowed within a TPZ.
 - Any tree branches and roots that conflict with the proposed development must be pruned by a Certified Arborist in accordance with good arboricultural practice.
 - Tree protection fencing should be inspected by a Certified Arborist prior to and during construction to ensure that the fencing remains intact and in good repair throughout the stages of development.

Table 1. Tree Inventory
 Location: 2220 Stanley Ave, Niagara Falls Date: Surveyors: JJJ

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	mTPZ	Location	Comments	Action
1	Norway Maple	<i>Acer platanoides</i>	36	G	FG	G	5	2.4	Subject Property	Pruning wounds, pruned for hydro	Remove
2	English Walnut	<i>Juglans regia</i>	35	G	G	G	5	2.4	Subject Property		Remove
3	English Walnut	<i>Juglans regia</i>	54	G	FG	G	8	3.6	Subject Property	Union at 1.6m, diameter measured at 0.8 m due to union, heavy sap sucker wounds	Remove
4	Blue Spruce	<i>Picea pungens</i>	44	G	G	G	3	3.0	Subject Property		Remove
5	Eastern Red Cedar	<i>Juniperus virginiana</i>	-10	G	G	G	2	2.4	Neighbouring Property		Preserve
6	Austran Pine	<i>Pinus nigra</i>	-20	G	G	G	2.5	2.4	Neighbouring Property		Preserve
7	Peach	<i>Prunus persica</i>	-7, 8, 6, 6	F	FG	F	2.5	1.8	Neighbouring Property	Union at 0.4 m	Preserve
8	Austran Pine	<i>Pinus nigra</i>	-25	G	G	G	2.5	2.4	Neighbouring Property		Preserve
9	Austran Pine	<i>Pinus nigra</i>	-20	FG	G	G	2.5	2.4	Neighbouring Property		Preserve
10	Austran Pine	<i>Pinus nigra</i>	-20	G	G	G	3	2.4	Neighbouring Property		Preserve
11	Austran Pine	<i>Pinus nigra</i>	-20	G	G	G	2.5	2.4	Neighbouring Property		Preserve
12	Austran Pine	<i>Pinus nigra</i>	-22	F	G	G	2.5	2.4	Neighbouring Property	Union at 2 m	Preserve
13	Peach	<i>Prunus persica</i>	-7, 6, 7, 7	F	FG	FG	2.5	1.8	Neighbouring Property	Union at 0.4 m	Preserve

Legend
 DBH Diameter at Breast Height (cm)
 TI Trunk Integrity (G, F, P)
 CS Crown Structure (G, F, P)
 CV Crown Vigor (G, F, P)
 DL Drip Line (m)
 mTPZ Minimum Tree Preservation (m)
 G Good
 F Fair
 P Poor
 - Estimate

Table 2. Minimum tree preservation zone distances.

DBH (cm)	Min. Tree Preservation Zone Distance (m)*
< 10	1.8
11 - 40	2.4
41 - 50	3
51 - 60	3.6
61 - 70	4.2
71 - 80	4.8
81 - 90	5.4
91 - 100	6
101 - 110	6.6

*As measured from the outside of the tree trunk.

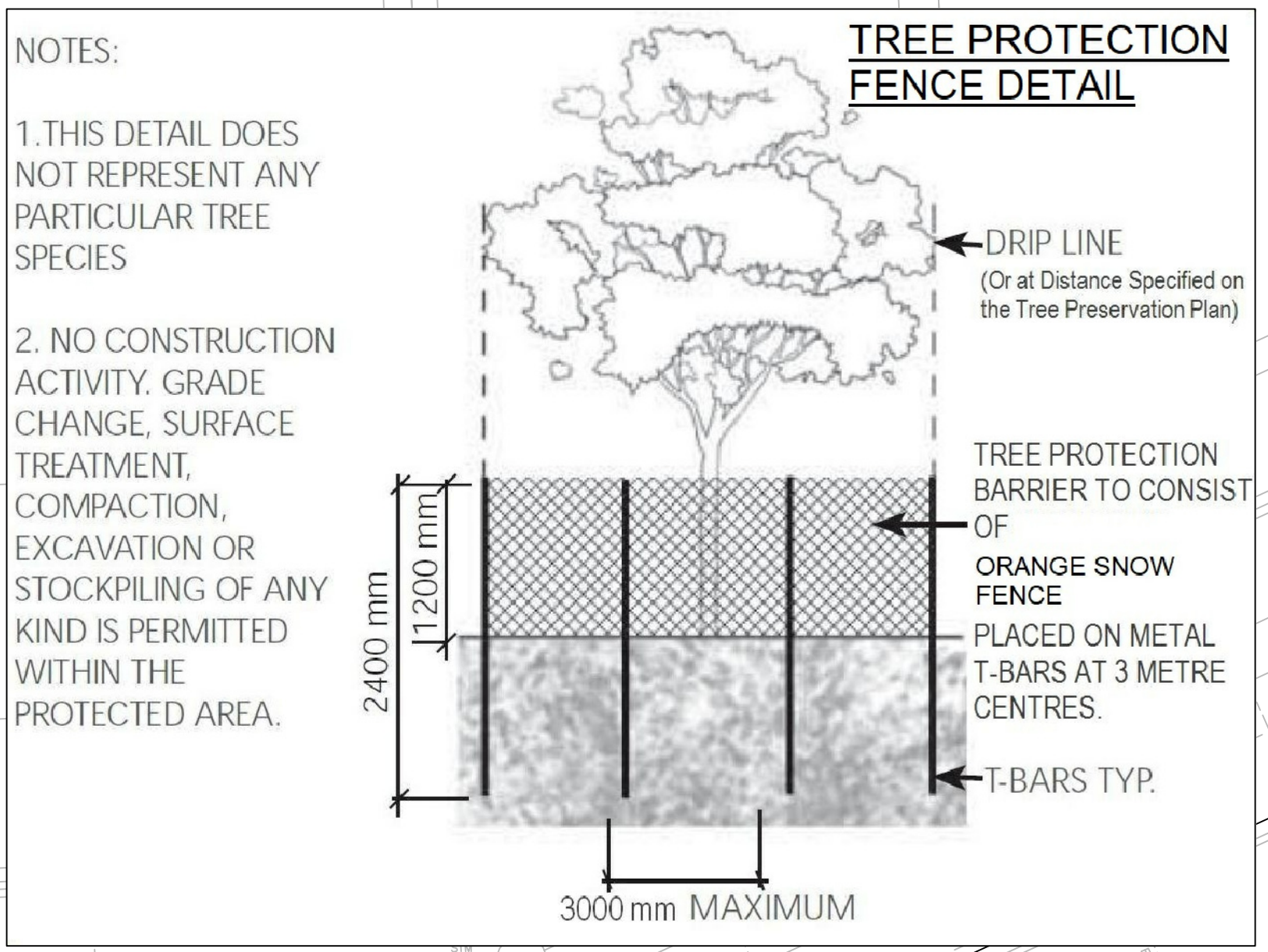
TREE PROTECTION PLAN NOTES
 Prior to site disturbance the owner must confirm that no migratory birds are making use of the site for nesting. The owner must ensure that the works are in conformance with the Migratory Bird Convention Act and that no migratory bird nests will be impacted by the proposed work. It is the applicants' responsibility to discuss potential tree injury of trees on shared property lines with their neighbours. Should such trees be injured to the point of instability or death the applicant may be held responsible for removal and such issues would be dealt with in civil court or through negotiation.

TREE PROTECTION ZONE: No construction activity including grade changes, surface treatments or excavations of any kind is permitted within the area identified on the Tree Protection Plan or Site Plan as a Tree Protection Zone (TPZ). No root cutting is permitted. No storage of materials or fill is permitted within the TPZ. No movement or storage of vehicles or equipment is permitted within the TPZ. Grade changes are not permitted within established TPZ. The area(s) identified as a TPZ must remain undisturbed at all times.

TREE PROTECTION BARRIERS: Tree protection barriers must be installed around trees to be protected using pipe wire fence supported on metal T-bars. All supports and bracing to safely secure the barrier should be outside the TPZ. All such supports and bracing should minimize damage to roots outside the TPZ.

General Note: Prior to the commencement of any site activity the tree protection barriers specified on this plan must be installed. Established tree protection zones must not be used as construction access, storage or staging areas. The tree protection barriers must remain in effective condition until all site activities including landscaping are complete. Permission from the City/Town must be provided prior to the removal of tree protection fence.

ARBORICULTURAL WORK: Any roots or branches which extend beyond the TPZ indicated on this plan which require pruning, must be pruned by a Certified Arborist. All pruning of tree roots and branches must be in accordance with good arboricultural standards. Roots located outside the TPZ that have received approval from the City/Town to be pruned must first be exposed by hand digging or by using an air spade. This will allow a proper pruning cut and minimize tearing of the roots.



No.	Description	Date	By
1	Issued for Submission	22 Oct. 2024	JJ

Data Source: Upper Canada Consultants

2220 Stanley Avenue
 Niagara Falls, ON

New Castle Communities
 1725 Third Street Louth
 St. Catharines, ON L2R 6P9

Tree Preservation Plan

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Project # P526 Sheet # 1

Date: 22 October 2024

Scale: 1:400 @ 24x36