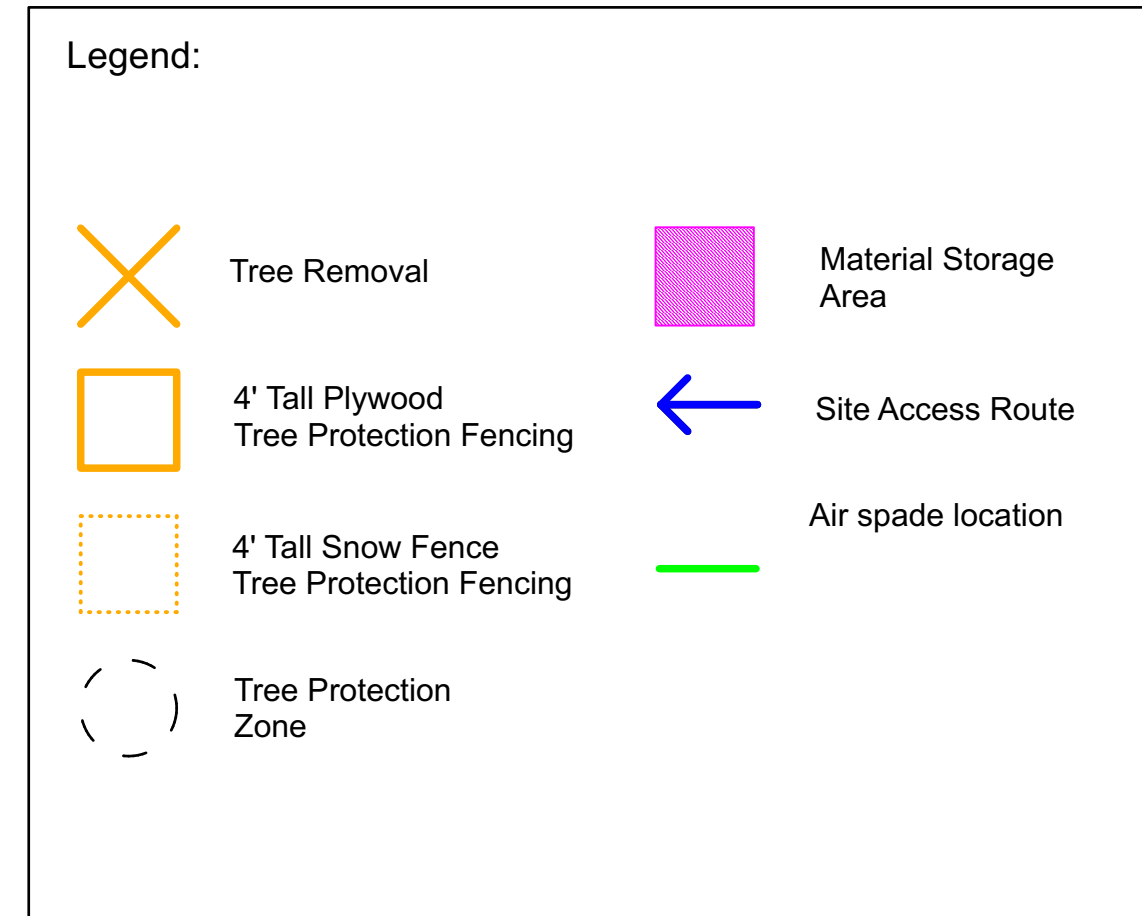


Tree #	Species	DBH (cm)	Crown Radius (m)	Biological Condition Rating	Structural Condition Rating	Condition Comments	Min TPZ (m)	Ownership Category	Recommended Action & Details
1	Monus alba (white mulberry)	75	6	Good	Poor	Bifurcates at ~1m with significant included bark and fruiting body of decay fungus in union; significant firm flux in union; decurrent habit; good shoot extension.	6	Public	Injure - Major impact from project expected. Air spade and root prune recommended. See details in Appendix III.
2	Pinus nigra (Austrian pine)	32	3	Good	Good	Cohort with adjacent trees; good central leader; good new growth.	3	Private	Remove - due to proposed excavation for underground parking.
3	Pinus nigra (Austrian pine)	22	2.5	Good	Good	Cohort with adjacent trees; good central leader; good new growth.	2.5	Private	Remove - due to proposed excavation for underground parking.
4	Pinus nigra (Austrian pine)	21	3	Good	Good	Cohort with adjacent trees; good central leader; good new growth.	3	Private	Remove - due to proposed excavation for underground parking.
5	Pinus nigra (Austrian pine)	20	2.5	Good	Good	Cohort with adjacent trees; good central leader; good new growth.	2.5	Private	Remove - due to proposed excavation for underground parking.
6	Pinus nigra (Austrian pine)	22.5	2.5	Good	Good	Cohort with adjacent trees; good central leader; good new growth.	2.5	Private	Remove - due to proposed excavation for underground parking.
7	Thuja occidentalis 'Aurea' (Golden Arborvitae)	16	2	Good	Fair	Multi-stem (11 & 12cm DBH); full crown.	2	Private	Remove - due to proposed excavation for underground parking.
8	Acer saccharum (sugar maple)	20.5	2.5	Good	Fair	Decurrent habit; good shoot extension.	2.5	Private	Remove - due to proposed excavation for underground parking.
9	Monus alba (white mulberry)	77	7	Good	Poor	Bifurcates at base (44 & 63cm DBH) and again at ~2m, both with failed unions with fair - good reaction wood formation; good shoot extension.	7	Public	Injure - Major impact from project expected. Air spade and root prune recommended. See details in Appendix III.
10	Juglans nigra (black walnut)	29	2	Good	Fair	Suppressed crown by Trees 9 & 11; codominant leaders; good shoot extension.	2	Public	Injure - Major impact from project expected. Air spade and root prune recommended. See details in Appendix III.
11	Juglans nigra (black walnut)	30	4	Good	Fair	Bifurcates at ~10m with a fair union; good shoot extension.	4	Public	Injure - Major impact from project expected. Air spade and root prune recommended. See details in Appendix III.
12	Acer negundo (Manitoba maple)	16.5	2.5	Good	Fair	Three stems from base (12, 8 & 8cm DBH); Good shoot extension.	2.5	Boundary	Remove - due to proposed excavation for underground parking.
13	Juglans nigra (black walnut)	52	7	Good	Fair	Decurrent habit; good shoot extension; minor deadwood.	7	Potential Boundary	Remove - due to proposed excavation for underground parking.
14	Pinus strobus (white pine)	19	2.5	Good	Good	Good central leader; good new growth.	2.5	Private	Remove - due to proposed excavation for underground parking.
15	Pinus strobus (white pine)	18	2.5	Good	Good	Good central leader; good new growth.	2.5	Private	Remove - due to proposed excavation for underground parking.
16	Acer negundo (Manitoba maple)	45	6	Good	Poor	Five stems from base (20, 20, 17 & 18cm DBH); good shoot extension.	6	Boundary	Remove - due to proposed excavation for underground parking.
17	Monus alba (white mulberry)	50	6	Fair	Poor	Six main stems converge at ~1.25m; large diameter deadwood; fair shoot extension.	6	Boundary	Remove - due to proposed excavation for underground parking.
18	Juglans nigra (black walnut)	25	3	Fair	Fair	Decurrent habit; fair shoot extension; grape vine throughout crown.	3	Public	Remove - due to proposed excavation for underground parking.
19	Rubus pseudoacacia (Black locust)	20	3	Fair	Fair	Decurrent habit; fair shoot extension.	3	Public	Preserve - tree protection fence.
20	Monus alba (white mulberry)	20	2.5	Fair	Fair	Suppressed by Tree 21; fair shoot extension.	2.5	Public	Preserve - tree protection fence.
21	Acer negundo (Manitoba maple)	76	8	Fair	Fair	Decurrent habit; fair shoot extension; large fruiting body of decay fungus on main trunk.	8	Public	Injure - due to proposed landscaping.
22	Rubus pseudoacacia (Black locust)	78	7	Fair	Fair	Decurrent habit; fair shoot extension.	7	Public	Preserve - tree protection fence.
23	Acer negundo (Manitoba maple)	21	3	Fair	Poor	Two stems from base (16 & 14cm DBH); suppressed crown; fair shoot extension.	3	Boundary	Preserve - tree protection fence.
24	Acer negundo (Manitoba maple)	19	2.5	Fair	Fair	Decurrent habit; suppressed crown; fair shoot extension.	2.5	Boundary	Preserve - tree protection fence.
25	Acer negundo (Manitoba maple)	12	2	Fair	Fair	Decurrent habit; suppressed crown; fair shoot extension.	2	Boundary	Preserve - tree protection fence.
26	Acer negundo (Manitoba maple)	23	2.5	Fair	Poor	Two stems from base (20 & 12cm DBH); suppressed crown; fair shoot extension.	2.5	Private	Preserve - tree protection fence.
27	Acer negundo (Manitoba maple)	18	2.5	Fair	Poor	Two stems from base (10 & 15cm DBH); suppressed crown; fair shoot extension.	2.5	Boundary	Preserve - tree protection fence.
28	Juglans nigra (black walnut)	24	3	Good	Good	Fair central leader; good shoot extension.	3	Boundary	Preserve - tree protection fence.
29	Acer negundo (Manitoba maple)	23	2.5	Fair	Poor	Six stems (16, 10, 7, 7, 6 & 6cm DBH); suppressed crown; fair shoot extension.	2.5	Boundary	Preserve - tree protection fence.
30	Juglans nigra (black walnut)	24	3	Good	Good	Fair central leader; good shoot extension.	3	Boundary	Preserve - tree protection fence.
31	Acer negundo (Manitoba maple)	17.5	2.5	Fair	Poor	Two stems from base (15 & 9cm DBH); suppressed crown; fair shoot extension.	2.5	Boundary	Injure - minor impact expected from underground parking entrance excavation.
32	Acer negundo (Manitoba maple)	15	2.5	Fair	Poor	Three stems from base (8, 8 & 10cm DBH); suppressed crown; fair shoot extension.	2.5	Boundary	Injure - moderate impact expected from underground parking entrance excavation.
33	Acer negundo (Manitoba maple)	30	3	Fair	Poor	Three stems from base (25, 10 & 13cm DBH); suppressed crown; fair shoot extension.	3	Boundary	Remove - due to proposed excavation for underground parking.
34	Acer negundo (Manitoba maple)	28	3	Good	Poor	Three main stems at ~2m with a fair union; good shoot extension.	3	Boundary	Remove - due to proposed excavation for underground parking.
35	Acer negundo (Manitoba maple)	20	2.5	Good	Poor	Three main stems at ~2m with a fair union; good shoot extension.	2.5	Boundary	Remove - due to proposed excavation for underground parking.

Tree Protection Comments:

- Tree protection comments were added by the arborist to a site plan created by C.V. Lee Architect Inc. drawing SP-1.1 dated February 14, 2023.
- It is the responsibility of the site supervisor to inspect the condition of the tree protection measures outlined on the tree protection plan each morning. If disturbance to the barriers is observed, it is to be repaired prior to work commencing on site that day.
- Tree protection barriers must remain in place and in good condition during demolition, construction and/or site disturbance, including landscaping, and must not be altered, moved or removed until authorized by Urban Forestry.
- Where indicated on the Tree Protection Plan roots must be exposed using an air spade and pruned cleanly by a certified arborist according to good arboricultural practices. Tearing roots hinders wound closure and can increase risk of disease and root rot. The air spade must be operated between 90-120 PSI. The trench must be minimum 61cm (2ft) in depth and 61cm (2ft) in width.
- During construction, if any tree roots are exposed or disturbed outside the tree protection zone (TPZ), care is to be taken to minimize their disturbance. If roots must be removed outside the TPZ, they are to be cleanly pruned. Tearing roots hinders wound closure and can increase risk of disease and root rot.
- All landscape and construction work within the Minimum Tree Protection Zones (MTPZs) of affected trees must be completed using hand tools only.
- At the completion of the project, the Forestry Department is to be notified prior to removal of the tree protection fencing on the site. With approval, the fencing may be dismantled.
- The owner is to be aware of the Migratory Birds Convention Act, 1994 that protects birds and their nests. This Act is implemented by Environment Canada, and it is advised that all vegetation be removed between Sept 1 and March 30.

**Tree Protection Plan
Appendix III
6179 Lundy's Lane
Niagara Falls, ON.**



Prepared For:

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Scale: 1 - 200

Drawn By: Kyle Berwick

Last Revised: Feb 20, 2024

Date Created: Feb 7, 2024

Drawing No. TPP1