



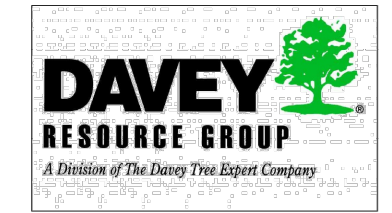
Tree Map Number	Species	Botanical	DBH (cm) @ 1.4 m	Tree Ownership	Minimum Tree Protection Distance (m) (MTPZ)	Health	Structure	Overall Condition	Tree Height (m)	Crown Width (m)	Live Crown Ratio (%)	Deadwood (%)	Construction inside MTPZ? (Y/N)	Construction Impact (None, Low, Medium, High)	Action	Regulated Tree? (Y/N)	Permit Required? (Y/N) Y for trees >12.5cm DBH to be removed or injured	Number of Replacement Trees Required	Notes and Observations	Recommendations	Address
1	Sugar Maple	<i>Acer saccharum</i>	80	City	4.8	Good	Fair	Good	15	8	90	10	Y	Low	Injure	Y	Y		Trenching within TPZ for watermain	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	
2	London Plane Tree	<i>Platanus x. acerifolia</i>	70	City	4.2	Good	Good	Good	16	10	80	10	N	None	Preserve	Y	N				
3	London Plane Tree	<i>Platanus x. acerifolia</i>	58	City	3.6	Good	Good	Good	16	10	80	<5	N	None	Preserve	Y	N				
4	Norway Maple	<i>Acer platanoides</i>	33	City	2.4	Good	Fair	Good	9	5	65	20	N	None	Preserve	Y	N				
5	Basswood	<i>Tilia americana</i>	67	City	4.2	Good	Good	Good	18	9	60	15	Y	Low	Injure	Y	Y		Excavation in TPZ for Underground Storm Water Tank	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	
6	Colorado Blue Spruce	<i>Picea pungens</i>	12	Private	2.4	Good	Good	Good	7	4	90	10	N	None	Preserve	N	N				43 Castlereagh St
7	Hedge Maple	<i>Acer campestre</i>	9	Private	1.8	Good	Good	Good	4	3	70	0	N	None	Preserve	N	N				43 Castlereagh St
8	Hedge Maple	<i>Acer campestre</i>	22	Private	2.4	Poor	Poor	Poor	6	4	75	15	Y	High	Remove	Y	Y	2	TBD possible removal due to excavation to remove/relocate existing sanitary connection to the High School building	Remove tree to accommodate excavation	43 Castlereagh St
9	Black Locust	<i>Robinia pseudoacacia</i>	84	Private	4.8	Good	Good	Good	21	10	75	10	Y	Low	Injure	Y	Y		Excavation within TPZ for storm sewer	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	43 Castlereagh St
10	Venus Flowering Dogwood	<i>Cornus x 'Venus'</i>	2	Private	1.8	Good	Good	Good	3	1	80	0	Y	High	Remove	N	N		Located within the footprint of the Underground Storm Water Tank	Remove tree to accommodate excavation	43 Castlereagh St
11	Viburnum species	<i>Viburnum sp.</i>	4	Private	1.8	Good	Good	Good	3	2	80	0	N	None	Preserve	N	N				43 Castlereagh St
12	Magnolia species	<i>Magnolia species</i>	4	Private	1.8	Good	Good	Good	4	2	95	0	N	None	Preserve	N	N				43 Castlereagh St
13	Norway Maple	<i>Acer platanoides</i>	42	City	3.0	Good	Good	Good	12	7	90	10	N	None	Preserve	Y	N				
14	Silver Maple	<i>Acer saccharinum</i>	75	Private	4.8	Fair	Fair	Good	20	9	60	15	N	None	Preserve	Y	N				43 Castlereagh St
15	Norway Maple	<i>Acer platanoides</i>	65	City	4.2	Good	Good	Good	17	9	80	1	Y	Low	Injure	Y	Y		Excavation within TPZ for storm sewer	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	
16	Eastern White Cedar	<i>Thuja occidentalis</i>	5	Neighbour	1.8	Good	Good	Good	3	3	95	5	N	None	Preserve	N	N				287 Davy St
17	Eastern White Cedar	<i>Thuja occidentalis</i>	23	Neighbour	2.4	Good	Good	Good	9	4	95	<5	N	None	Preserve	Y	N		Estimated DBH		287 Davy St
18	False Cypress species	<i>Chamaecyparis sp.</i>	19	Neighbour	2.4	Good	Good	Good	9	3	85	5	N	None	Preserve	Y	N				287 Davy St
19	Manitoba Maple	<i>Acer negundo</i>		Private				Stump								N			Stump	Grind stump	43 Castlereagh St
20	White Ash	<i>Fraxinus americana</i>	24	Boundary	2.4	Poor	Poor	Poor	16	3	30	50	Y	Low	Injure	Y	Y		Phase One foundation excavation within TPZ	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	43 Castlereagh St, 279 Davy St
21	Manitoba Maple	<i>Acer negundo</i>		Boundary				Stump								N			Stump	Grind stump	43 Castlereagh St, 279 Davy St
22	Norway Maple	<i>Acer platanoides</i>	15	Boundary	2.4	Good	Good	Good	8	3	30	5	Y	High	Injure	Y	Y		Phase One foundation excavation within TPZ	Low-impact root excavation (air-spade, hydro-vac, or hand-digging) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	43 Castlereagh St, 279 Davy St
23	Manitoba Maple	<i>Acer negundo</i>	36	Neighbour	2.4	Good	Fair	Good	10	7	70	5	Y	Medium	Injure	Y	Y		Phase One foundation excavation within TPZ	Low-impact root excavation (air-spade, hydro-vac, or hand-digging) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	279 Davy St
24	Norway Maple	<i>Acer platanoides</i>	7	Boundary	1.8	Good	Good	Good	6	1	75	5	Y	High	Injure	N	N		Phase One foundation excavation within TPZ	Low-impact root excavation (air-spade, hydro-vac, or hand-digging) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	43 Castlereagh St, 279 Davy St
25	Manitoba Maple	<i>Acer negundo</i>	14	Neighbour	2.4	Good	Good	Good	9	4	50	10	N	None	Preserve	Y	N				279 Davy St
26	White Ash	<i>Fraxinus americana</i>	13	Neighbour	2.4	Poor	Poor	Poor	10	3	30	60	N	None	Preserve	Y	N		Emerald ash borer present (invasive insect)		279 Davy St
27	Colorado Blue Spruce	<i>Picea pungens</i>	14	Private	2.4	Good	Good	Good	5	5	90	5	Y	Low	Injure	Y	Y		Shallow excavation for French Drain	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	25 Castlereagh St
28	Black Walnut	<i>Juglans nigra</i>	65	Neighbour	4.8	Good	Good	Good	14	10	40	15	N	None	Preserve	Y	N				280 King St
29	Norway Maple	<i>Acer platanoides</i>	41	City	3.0	Good	Fair	Good	9	6	50	15	Y	Low	Injure	Y	Y		Localized excavation to terminate domestic water service to 25 Castlereagh St.	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	
30	Colorado Blue Spruce	<i>Picea pungens</i>	36	Private	2.4	Good	Good	Good	9	6	65	10	Y	High	Remove	Y	Y	4	Excavation within TPZ for storm sewer	Remove tree to accommodate storm sewer construction	25 Castlereagh St
31	Colorado Blue Spruce	<i>Picea pungens</i>	34	Private	2.4	Fair	Good	Good	8	6	60	10	Y	High	Remove	Y	Y	3	Excavation within TPZ for storm sewer	Remove tree to accommodate storm sewer construction	25 Castlereagh St
32	Ginkgo	<i>Ginkgo biloba</i>	44	City	3.0	Good	Good	Good	10	6	45	<5	N	None	Preserve	Y	N				
33	Cherry	<i>Prunus spp.</i>	19	Private	2.4	Good	Fair	Good	6	6	45	10	Y	Low	Injure	Y	Y		Phase Two foundation excavation within TPZ	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	25 Castlereagh St
34	Eastern Redbud	<i>Cercis canadensis</i>	22	Private	2.4	Good	Good	Good	10	7	60	10	Y	High	Remove	Y	Y	2	Located within the footprint of future Phase 2 foundation3	Remove tree to accommodate addition construction.	25 Castlereagh St
35	European Beech	<i>Fagus sylvatica</i>	15	Neighbour	2.4	Good	Good	Good	9	6	50	10	N	None	Preserve	Y	N				280 King St
36	Tulip Tree	<i>Liriodendron tulipifera</i>	30	Boundary	2.4	Good	Good	Good	11	7	45	10	N	None	Preserve	Y	N				280 King St
37	Manitoba Maple	<i>Acer negundo</i>	14	Private	2.4	Fair	Fair	Fair	7	6	60	10	N	None	Preserve	Y	N				25 Castlereagh St
38	Silver Maple	<i>acer saccharinum</i>	30	Private	2.4	Fair	Fair	Fair	10	6	50	10	N	None	Preserve	Y	N				25 Castlereagh St
39	Basswood	<i>Tilia americana</i>	17	Neighbour	2.4	Good	Good	Good	9	6	45	10	N	None	Preserve	Y	N				272 King St
<b>Total Number of Replacement Trees Required:</b>																		<b>11</b>			

- NOTES:
- All field data have been recorded by ISA Certified Arborist Jordan Barker (ON-2488A)
  - All tree locations are based on the site plan and/or survey supplied by the client, and field observation by the arborist.
  - This plan shall be used in conjunction with the Tree Protection Action Key (TPAK). Specific information regarding tree species, condition, and protection protocols are listed therein.
  - Refer to the Arborist Report prepared for this project for specific instruction regarding tree protection requirements.

**PLAN KEY**

- TREE RECOMMENDED FOR REMOVAL
- RETAINED TREE
- CONIFEROUS TREE FOR REMOVAL
- RETAINED CONIFEROUS TREE
- REPLACEMENT TREE
- RETAINED HEDGEROW
- HEDGEROW FOR REMOVAL
- TREE PROTECTION FENCE
- TREE PROTECTION ZONE

No.	DATE	BY	REVISIONS
1	3/5/2026	JB	Tree Preservation Plan
2	3/20/2026	JB	
3	3/25/2026	JB	

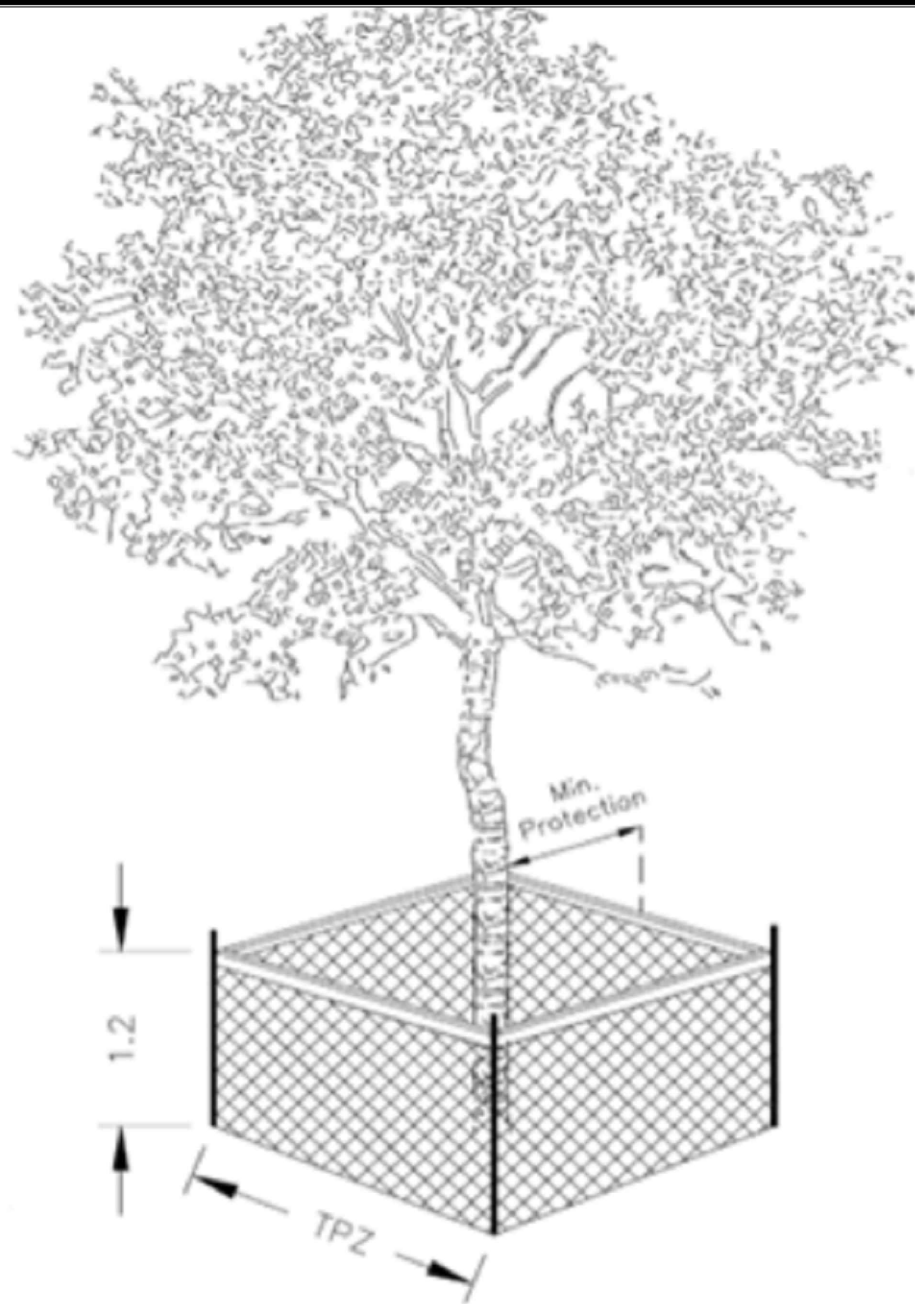


TITLE:  
**Tree Preservation Plan  
25 and 43 Castlereagh St  
NOTL, ON**

CLIENT:

DRAWING NO.: 001      SCALE: 1:400

JOB NO.:                      SHEET: 2 of 3



Trunk Diameter (DBH) <sup>2</sup>	Minimum Tree Protection Zone (MTPZ) Distances Required <sup>3</sup>	Critical Root Zone (CRZ) Distances Required <sup>3&amp;4</sup>
< 10 cm	1.8 m	1.8 m
11 - 40 cm	2.4 m	4.0 m
41 - 50 cm	3.0 m	5.0 m
51 - 60 cm	3.6 m	6.0 m
61 - 70 cm	4.2 m	7.0 m
71 - 80 cm	4.8 m	8.0 m
81 - 90 cm	5.4 m	9.0 m
91 - 100+ cm	6.0 m	10.0 m

**NOTES:**










- <sup>1</sup> The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.
- <sup>2</sup> Diameter at breast height (DBH) is the measurement of tree trunk taken at 1.4 metres above ground.
- <sup>3</sup> Minimum Tree Protection Zone and Critical Root Zone distances are to be measured from the outside edge of the tree base towards the drip line and may be limited by an existing paved surface, provided the existing paved surface remains intact throughout the construction work and is subject to Section 6 of this specification.

**TREE PROTECTION BARRIER**

1. The required barrier is a 1.2 metre (4 ft) high orange plastic web snow fencing on 2" x 4" frame. Where orange plastic web snow fencing creates a restriction to sightlines, page wire fencing with reflective tape can be used.
2. Tree protection barriers are to be erected prior to the commencement of any construction or grading activities on the site and are to remain in place throughout the entire duration of the project. The barriers shall be maintained erect and in good repair throughout the duration of construction operations with breaks and unsupported sections repaired immediately. Tree protection may not be removed prior to the completion of construction without written authorization from the City Arborist.
3. All supports and bracing used to safely secure the barrier should be located outside the MTPZ. All supports and bracing should minimize damage to roots.
4. Where some fill or excavated material must be temporarily located near a MTPZ, a wooden barrier with silt fencing must be used to ensure no material enters the MTPZ.
5. No materials or fill may be stored within the MTPZ.
6. Equipment or vehicles shall not be operated, parked, repaired, or refueled within the MTPZ.
7. No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the MTPZ without written authorization from the City Arborist.

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