

		m		ft	
		Area	Perim	Area	Perim
Lot Frontage	81.99	249.60			
Lot Depth	53.65	172.73			

	Basement		Ground	
	m ²	sf	m ²	sf
Highschool	79.36	854.33	218.74	2354.45
Link	78.96	850.44	93.97	1011.53
Memorial Hall	0.00	0.00	148.91	1618.16
Annex	134.21	1444.65	84.08	905.02
Addition - Phase 1	195.95	2109.18	187.34	2016.56
Addition - Phase 2	66.32	713.81	84.08	905.02
Addition - Phase 3	39.31	423.16	32.81	353.30
Floor Totals	592.11	6372.47	869.94	9363.94

		m		ft	
		Area	Perim	Area	Perim
Total w/o BSMT	1,438.80	15,487.11			
Total w/ basement	2,030.91	21,860.59			

	Basement		Ground	
	m ²	sf	m ²	sf
Highschool	0.00	0.00	92.39	994.51
Link	0.00	0.00	89.73	965.82
Memorial Hall	0.00	0.00	154.83	1666.59
Annex	0.00	0.00	60.72	653.61
Addition - Phase 1	0.00	0.00	119.59	1287.38
Addition - Phase 2	0.00	0.00	45.14	485.86
Addition - Phase 3	0.00	0.00	0.00	0.00
Floor Totals	0.00	0.00	562.48	6053.67

		m		ft	
		Area	Perim	Area	Perim
Total w/o BSMT	846.67	9,113.48			
Total w/ basement	846.67	9,113.48			

		m		ft	
		Area	Perim	Area	Perim
Total w/o BSMT	1,782.08	19,182.18			

Tree removals and protection plans will be further confirmed at the Site Plan stage, once the final servicing design implications are better known.

Trees #19, 30, 31, and 34 to be removed based on preliminary servicing discussions with the project architect and civil engineer.

Trees #6, 15, and 26 to be carefully protected based on preliminary servicing discussions with the project architect and civil engineer.

- NOTES:**
- All field data have been recorded by ISA Certified Arborist Jordan Barker ON-2488A and Kaitlyn Simpson
 - 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	03/11/2020	JB	Tree Protection Plan
2	11/18/2025	KS	Revisions
3	12/3/2025	JB	
4	12/14/2025	JB	
5	12/19/2025	JB	



TITLE:
43 Castlereagh St,
Niagara-on-the-Lake, ON

Pre-Construction Assessment

CLIENT:
Niagara-on-the-Lake Museum
c/o Sarah Kaufman

DRAWING NO: 001 **SCALE:** F:300

JOB NO.: **SHEET:** 1 of 4

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	Permit Required? (Y/N) Y for trees >12.5cm DBH to be removed or injured	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	Excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	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	Y	Low	Injure	Y	Excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	
3	London Plane Tree	<i>Platanus x. acerifolia</i>	58	City	3.6	Good	Good	Good	16	10	80	<5	N	None	Preserve	N			
4	Norway Maple	<i>Acer platanoides</i>	33	City	2.4	Good	Fair	Good	9	5	65	20	N	None	Preserve	N			
5	Basswood	<i>Tilia americana</i>	67	City	4.2	Good	Good	Good	18	9	60	15	Y	Low	Injure	Y	Excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	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			43 Castlereagh St
7	Hedge Maple	<i>Acer campestre</i>	9	Private	1.8	Good	Good	Good	4	3	70	0	Y	Low	Injure	N	Existing pavers to be removed and replaced within TPZ.	Replace pavers in same location as existing, do not alter grade beneath pavers within TPZ in order to preserve existing tree roots.	43 Castlereagh St
8	Hedge Maple	<i>Acer campestre</i>	22	Private	2.4	Poor	Poor	Poor	6	4	75	15	Y	Low	Injure	Y	Existing pavers to be removed and replaced within TPZ. Trunk wounds; cracked branch.	Replace pavers in same location as existing, do not alter grade beneath pavers within TPZ in order to preserve existing tree roots.	43 Castlereagh St
9	Black Locust	<i>Robinia pseudoacacia</i>	84	Private	4.8	Good	Good	Good	21	10	75	10	Y	High	Injure	Y	Excavation for storm sewer within TPZ subject to amendment based on final servicing alignments. Existing pavers to be removed and replaced within TPZ. Hanger present.	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ. Replace pavers in same location as existing, do not alter grade beneath pavers within TPZ in order to preserve existing tree roots.	43 Castlereagh St
10	Venus Flowering Dogwood	<i>Cornus x 'Venus'</i>	2	Private	1.8	Good	Good	Good	3	1	80	0	N	None	Preserve	N	Staked		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			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			43 Castlereagh St
13	Norway Maple	<i>Acer platanoides</i>	42	City	3.0	Good	Good	Good	12	7	90	10	N	None	Preserve	N			
14	Silver Maple	<i>Acer saccharinum</i>	75	Private	4.8	Fair	Fair	Good	20	9	60	15	N	None	Preserve	N			43 Castlereagh St
15	Norway Maple	<i>Acer platanoides</i>	65	City	4.2	Good	Good	Good	17	9	80	1	N	None	Preserve	N			
16	Eastern White Cedar	<i>Thuja occidentalis</i>	5	Neighbour	1.8	Good	Good	Good	3	3	95	5	N	None	Preserve	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	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	N			287 Davy St
19	Manitoba Maple	<i>Acer negundo</i>	30	Private	2.4	Good	Good	Good	8	10	70	15	Y	High	Remove	Y	Grading for walkway and excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	Remove to accommodate excavation.	43 Castlereagh St
20	White Ash	<i>Fraxinus americana</i>	24	Boundary	2.4	Poor	Poor	Poor	16	3	30	50	N	None	Preserve	N			43 Castlereagh St, 279 Davy St
21	Manitoba Maple	<i>Acer negundo</i>	19	Boundary	2.4	Good	Good	Good	7	3	60	5	Y	High	Injure	N	Excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	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
22	Norway Maple	<i>Acer platanoides</i>	15	Boundary	2.4	Good	Good	Good	8	3	30	5	Y	High	Injure	N	Grading for walkway and excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	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
23	Manitoba Maple	<i>Acer negundo</i>	36	Neighbour	2.4	Good	Fair	Good	10	7	70	5	Y	High	Injure	N	Grading for walkway and excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	Low-impact root excavation (hydro-vac or air-spade) 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	Grading for walkway and excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	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
25	Manitoba Maple	<i>Acer negundo</i>	14	Neighbour	2.4	Good	Good	Good	9	4	50	10	Y	Low	Injure	Y	Excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of excavation encroachment within TPZ.	279 Davy St
26	White Ash	<i>Fraxinus americana</i>	13	Neighbour	2.4	Poor	Poor	Poor	10	3	30	60	N	None	Preserve	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	N	None	Preserve	N			25 Castlereagh St
28	Black Walnut	<i>Juglans nigra</i>	65	Neighbour	4.8	Good	Good	Good	14	10	40	15	N	None	Preserve	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	Grading for walkway within TPZ.	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of walkway encroachment within TPZ.	
30	Colorado Blue Spruce	<i>Picea pungens</i>	36	Private	2.4	Good	Good	Good	9	6	65	10	N	High	Remove	Y	Excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	Remove tree to accommodate known storm sewer alignments	25 Castlereagh St
31	Colorado Blue Spruce	<i>Picea pungens</i>	34	Private	2.4	Fair	Good	Good	8	6	60	10	N	High	Remove	Y	Excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	Remove tree to accommodate known storm sewer alignments	25 Castlereagh St
32	Ginkgo	<i>Ginkgo biloba</i>	44	City	3.0	Good	Good	Good	10	6	45	<5	N	None	Preserve	N			
33	Cherry	<i>Prunus spp.</i>	19	Private	2.4	Good	Fair	Good	6	6	45	10	Y	High	Injure	Y	Excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	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	Addition proposed in tree's location	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	Y	High	Injure	Y	Grading for walkway and excavation for storm sewer within TPZ subject to amendment based on final servicing alignments.	Low-impact root excavation (hydro-vac or air-spade) and root pruning by a Certified Arborist at limit of walkway and excavation encroachment within TPZ.	280 King St
36	Tulip Tree	<i>Liriodendron tulipifera</i>	30	Boundary	2.4	Good	Good	Good	11	7	45	10	Y	Low	Injure	Y	Grading for walkway within TPZ.	Low-impact root excavation (hydro-vac, air-spade, or hand-digging) and root pruning by a Certified Arborist at limit of walkway encroachment within TPZ.	280 King St
37	Manitoba Maple	<i>Acer negundo</i>	14	Private	2.4	Fair	Fair	Fair	7	6	60	10	N	None	Preserve	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	N			25 Castlereagh St
39	Basswood	<i>Tilia americana</i>	17	Neighbour	2.4	Good	Good	Good	9	6	45	10	N	None	Preserve	N			272 King St

NOTES:

- All field data have been recorded by ISA Certified Arborist Jordan Barker & Kaitlyn Simpson
- 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	03/11/2020	JB	Tree Protection Plan
2	11/18/2025	KS	Revisions
3	12/3/2025	JB	
4	12/14/2025	JB	
5	12/19/2025	JB	



TITLE:
43 Castlereagh St,
Niagara-on-the-Lake, ON

Pre-Construction Assessment

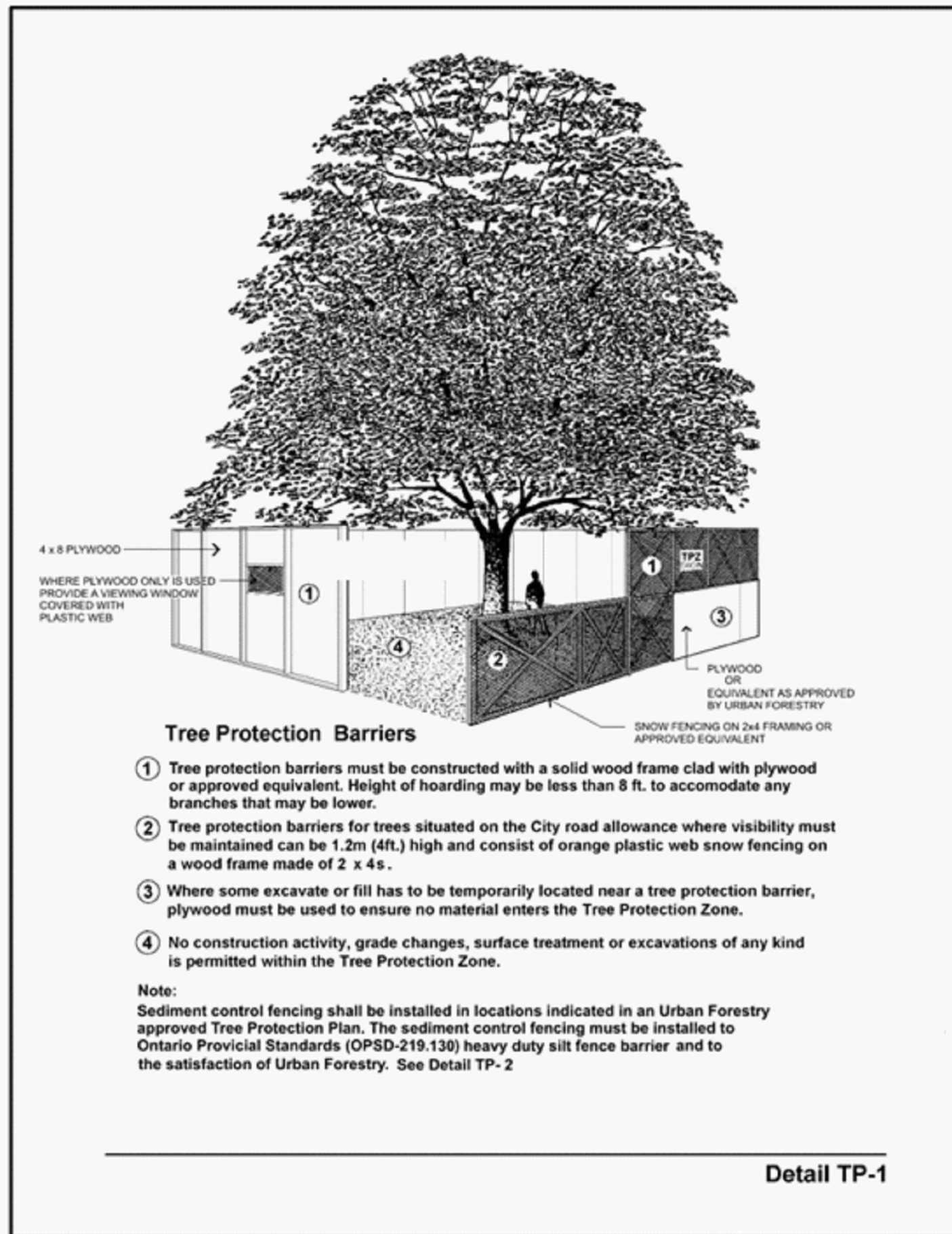
CLIENT:
Niagara-on-the-Lake Museum
c/o Sarah Kaufman

DRAWING NO.: 001

SCALE:

JOB NO.:

SHEET: 2 of 4



Tree Protection Barriers

- ① Tree protection barriers must be constructed with a solid wood frame clad with plywood or approved equivalent. Height of hoarding may be less than 8 ft. to accommodate any branches that may be lower.
- ② Tree protection barriers for trees situated on the City road allowance where visibility must be maintained can be 1.2m (4ft.) high and consist of orange plastic web snow fencing on a wood frame made of 2 x 4s.
- ③ Where some excavate or fill has to be temporarily located near a tree protection barrier, plywood must be used to ensure no material enters the Tree Protection Zone.
- ④ No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the Tree Protection Zone.








Note:
Sediment control fencing shall be installed in locations indicated in an Urban Forestry approved Tree Protection Plan. The sediment control fencing must be installed to Ontario Provincial Standards (OPSD-219.130) heavy duty silt fence barrier and to the satisfaction of Urban Forestry. See Detail TP- 2

Detail TP-1

NOTES:

- All field data have been recorded by ISA Certified Arborist
1 03/11/2020 JB
- 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	03/11/2020	JB	Tree Protection Plan
2	11/18/2025	KS	Revisions
4	12/14/2025	JB	
5	12/19/2025	JB	



TITLE:
43 Castlereagh St,
Niagara-on-the-Lake, ON

Pre-Construction Assessment

CLIENT:
Niagara-on-the-Lake Museum
c/o Sarah Kaufman

DRAWING NO.:	001	SCALE:	1:300
JOB NO.:		SHEET:	3 of 4

Tree Protection Zone

No grade change, storage of materials or equipment is permitted within this area.

Report any contraventions to









Contact Name _____ Tel No. _____

Unauthorized removal of the tree protection barrier or other contraventions may result in prosecution.

NOTES:

- All field data have been recorded by ISA Certified Arborist
Jordan Barker & Kaitlyn Simpson
- 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	03/11/2020	JB	Tree Protection Plan
2	11/18/2025	KS	Revisions
4	12/14/2025	JB	
5	12/19/2025	JB	



TITLE: 43 Castlereagh St, Niagara-on-the-Lake, ON Pre-Construction Assessment	
CLIENT: Niagara-on-the-Lake Museum c/o Sarah Kaufman	
DRAWING NO.: 001	SCALE: 1:300
JOB NO.:	SHEET: 4 of 4