



April 19, 2024 [Revised August 08, 2025]

ARBORIST REPORT

Humber Station Distribution Centre, Humber Station Road, Caledon, Ontario

BACKGROUND

MHBC was retained to conduct an inventory of the existing trees within the boundaries of the properties known as Humber Station Distribution Centre, Humber Station Road, as they pertain to the Town of Caledon Tree By-laws. This investigation examined 149 trees within and around the subject properties. Field work was completed April 15, 16, and 18, 2024, with updated field work completed October 15, 2024. This report relates to the condition of the trees at those times.

PROCEDURE

The on-site inventory of existing trees was carried out using an EOS Arrow 100+ Submeter GNSS receiver unit along with the current survey of the properties and relies on the accuracy of this survey, and the GNSS receiver unit. The inventory includes all trees within the site boundary, all trees within 6.0 metres of the site boundary and all Town owned trees along the adjacent boulevards.

This inventory is summarized graphically in the Tree Inventory Plans TI-1 and TI-14, which shall always be read in conjunction with this report and shall form part of this report. For the purposes of this report, trees and groupings of trees are identified in terms of species, size, condition, and recommendations.

The following rating system was used in describing the general condition of the trees inventoried:

- Good: Indicates a condition of vigor and no major concerns.
- Fair: Indicates an adequate tree, which may have some minor issues.
- Poor: Indicates declining health, bad form, or other more serious issues.
- Dead: Indicates a dead tree that should be removed.

ASSUMPTIONS AND LIMITING CONDITIONS

- All data provided to MHBC has been verified insofar as possible and is assumed to be correct.
- It is assumed that the properties are not in violation of any applicable codes, ordinances, statutes, or other governmental regulations.
- Unless otherwise required by law, possession of this report or a copy thereof does not imply right of publication or use for any purpose in whole or in part by any other than the person or company by whom it was commissioned.

- The use of excerpts from this report or alterations to this report, without the authorization of MHBC Planning will invalidate the entire report. This report may not be used for any purpose other than its intended purpose as outlined.
- Unless expressed otherwise: 1) information contained in this report covers only those items that were examined and reflect the condition of those items at the time of inspection; and 2) the inspection is limited to visual examination or accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies in the plants inventoried may not arise in the future.
- The determination of ownership of any subject tree(s) is the responsibility of the owner and any civil or common-law issues, which may exist between property owners with respect to trees, must be resolved by the owner. The recommendation to remove or maintain any tree(s) does not grant authority to encroach in any manner onto adjacent private properties.

SUMMARY OF TREES INVENTORIED

Tree #	Common Name	Botanical Name	Canopy (M)	DBH (CM)	Condition	Comments	Recommendation
101	Honey Locust	Gleditsia triacanthos	7	60	F	Minor to moderate deadwood throughout	Retain
102	Honey Locust	Gleditsia triacanthos	5	26	F/P	3 stem at 1.2 metres, cavity at main union, minor deadwood throughout	Retain
103	Honey Locust	Gleditsia triacanthos	6	25	F	Multi-stem, some stems fused together, minor deadwood throughout	Retain
104	Honey Locust	Gleditsia triacanthos	5.5	28	F	3 stem at 1.0 metre, cavity at union of 2 stems, minor deadwood throughout	Retain
105	Honey Locust	Gleditsia triacanthos	4	19	F	Co-dominant at 0.2 metres	Retain
106	Norway Maple	Acer platanoides	8	36	F		Retain
107	Norway Maple	Acer platanoides	6	23	F		Retain
108	Norway Maple	Acer platanoides	9	31	F		Retain
109	Norway Maple	Acer platanoides	10	41	F		Retain
110	Norway Maple	Acer platanoides	9	40	F		Retain
111	Norway Maple	Acer platanoides	10	44	F	Minor deadwood throughout	Retain
112	Norway Maple	Acer platanoides	-	~78	P/D	Tree is 90% dead and previously failed, water shoots throughout	Retain

113	Norway Maple	Acer platanoides	11	44	F		Retain
114	Norway Maple	Acer platanoides	3	15	F		Retain
115	Norway Maple	Acer platanoides	5	19	F		Retain
116	Norway Maple	Acer platanoides	3	12	F	Mild lean	Retain
117	Norway Maple	Acer platanoides	6	21	F		Retain
118	Norway Maple	Acer platanoides	4.5	18	F		Retain
119	Norway Maple	Acer platanoides	10	41	F		Retain
120	Norway Maple	Acer platanoides	9	35	F/P	Co-dominant at 0.8 metres, split at main union, preciously co-dominant at 1.5 metres	Retain
121	Norway Maple	Acer platanoides	12	55	F		Retain
122	Sugar Maple	Acer saccharum	6	24	F		Retain
123	Norway Maple	Acer platanoides	11	51	F		Retain
124	Norway Maple	Acer platanoides	12	53	F	Minor deadwood throughout	Retain
125	Norway Maple	Acer platanoides	11	50	F	Minor deadwood throughout	Retain
126	Norway Maple	Acer platanoides	12	48	F	Multiple limbs previously failed	Retain
127	Norway Maple	Acer platanoides	12	53	F	Multiple limbs previously failed	Retain
128	Norway Maple	Acer platanoides	12	46	F		Retain
129	Norway Maple	Acer platanoides	13	53	F	Multiple limbs previously failed, minor deadwood in canopy	Retain
130	Manitoba Maple	Acer negundo	3	17	F	Mild to moderate lean	Retain
131	Willow Sp.	Salix Sp.	17	128	F	Typical issues for tree of this species and size, multiple limbs previously failed	Retain
132	Cedar Sp.	Thuja Sp.	5	28	F	Mild lean	Retain
133	Norway Maple	Acer platanoides	3	13	F		Retain

134	Honey Locust	Gleditsia triacanthos	7	46	F/P	Moderate deadwood throughout, imbalanced canopy, multiple limbs previously failed, base of trunk is swallowing fence	Retain
135	Ash Sp.	Fraxinus Sp.	3	12	D	Tree is 100% dead, signs of EAB	Retain
136	Cedar Sp.	Thuja Sp.	5	31	F		Retain
137	Cedar Sp.	Thuja Sp.	4	27	F		Retain
138	Cedar Sp.	Thuja Sp.	5	27	F		Retain
139	Cedar Sp.	Thuja Sp.	4.5	24	F		Retain
140	Cedar Sp.	Thuja Sp.	5	35	F		Retain
141	Cedar Sp.	Thuja Sp.	5	29	F	Minor deadwood throughout	Retain
142	Cedar Sp.	Thuja Sp.	4	22	F	Minor deadwood throughout	Retain
143	Cedar Sp.	Thuja Sp.	5	29	F	Minor deadwood throughout	Retain
144	Cedar Sp.	Thuja Sp.	5	32	F		Retain
145	Norway Maple	Acer platanoides	10	33	F	3 stem at 0.5 metres	Retain
146	Norway Maple	Acer platanoides	8	36	F	Main leader previously topped	Retain
147	Norway Maple	Acer platanoides	6.5	27	F		Retain
148	Norway Maple	Acer platanoides	12	58	F	Multi-stem at 1.7 metres	Retain
149	Flowering Crabapple Tree	Malus Sp.	3	14	F/P	Minor deadwood in canopy, mild lean, cavity at base callousing over	Retain
150	Norway Maple	Acer platanoides	7.5	29	F	Cavity at base callousing over	Retain
151	Flowering Crabapple Tree	Malus Sp.	6	27	F	2 stem at 0.5 metres	Retain
152	Flowering Crabapple Tree	Malus Sp.	3	17	F/P	Contorted limbs, previous limb failures, irregular form, suspected internal rot	Retain
153	Flowering Crabapple Tree	Malus Sp.	5.5	17	F/P	Minor to moderate deadwood in canopy	Retain
154	Silver Maple	Acer saccharinum	7.5	28	F		Retain

155	Flowering Crabapple Tree	Malus Sp.	8	23	F/P	Moderate deadwood in canopy, mild lean, bow in trunk	Retain
156	Spruce Sp.	Picea Sp.	3.5	28	D	Tree is 100% dead	Retain
157	Spruce Sp.	Picea Sp.	5.5	29	D	Tree is 100% dead	Retain
158	Willow Sp.	Salix Sp.	11	39	D	Tree is 100% dead	Retain
159	Willow Sp.	Salix Sp.	8.5	35	P/D	3 stem at 0.4 metres, tree is 85% dead, tree is in severe decline, moderate to significant deadwood throughout, multiple limbs previously failed	Retain
160	Willow Sp.	Salix Sp.	7	38	F	Co-dominant at 1.0 metre	Retain
161	Manitoba Maple	Acer negundo	3	17	F	Within grouping of buckthorn, mild lean, bow in trunk	Remove due to construction
162	Basswood	Tilia americana	7	28	F	Within grouping of buckthorn, 3 stem at 0.4 metres	Remove due to construction
163	Basswood	Tilia americana	2.5	13	F	2 stem at base	Remove due to construction
164	Basswood	Tilia americana	3.5	24	F	3 stem at 0.1 metres	Remove due to construction
165	Basswood	Tilia americana	6.5	29	F	Within grouping of buckthorn, multi-stem at base	Remove due to construction
166	American Elm	Ulmus americana	1.5	9	F		Remove due to construction
167	Manitoba Maple	Acer negundo	4	18	F	Within grouping of buckthorn, 2 stem at 0.3 metres, minor deadwood throughout	Remove due to construction
168	Ash Sp.	Fraxinus Sp.	4	18	P	Within buckthorn grouping, signs of EAB	Remove due to grading
169	Ash Sp.	Fraxinus Sp.	3	14	F	Within buckthorn grouping, mild signs of EAB	Remove due to grading
170	Ash Sp.	Fraxinus Sp.	3	10	F	Within buckthorn grouping, mild signs of EAB	Remove due to construction
171	Ash Sp.	Fraxinus Sp.	3.5	16	F/P	Within buckthorn grouping, signs of EAB	Remove due to construction
172	Basswood	Tilia americana	3	10	F	Within buckthorn grouping, 3 stem at base	Remove due to grading

173	Basswood	Tilia americana	3	9	F/P	Within buckthorn grouping, multi-stem at base	Retain
174	Hawthorn Sp.	Crataegus Sp.	4	19	F/P	Within buckthorn grouping, moderate deadwood throughout	Retain
175	Basswood	Tilia americana	5	17	F	Within buckthorn grouping, 4 stem at 0.2 metres	Retain
176	Basswood	Tilia americana	2	10	F	Within buckthorn grouping	Retain
177	Basswood	Tilia americana	6	17	F	Within buckthorn grouping, 4 stem at 0.1 metres	Retain
178	Basswood	Tilia americana	5	15	F	Within buckthorn grouping, minor deadwood throughout, 3 stem at 0.3 metres	Remove due to construction
179	Ash Sp.	Fraxinus Sp.	2	11	P	Within buckthorn grouping, mild lean, signs of EAB	Remove due to construction
180	Basswood	Tilia americana	3	18	F	Within buckthorn grouping	Remove due to construction
181	Ash Sp.	Fraxinus Sp.	2.5	10	P	Within buckthorn grouping, signs of EAB	Remove due to construction
182	Basswood	Tilia americana	4	18	F	Within buckthorn grouping	Remove due to construction
183	Basswood	Tilia americana	3	10	F	Within buckthorn grouping, 2 stem at base	Remove due to construction
184	Basswood	Tilia americana	3.5	17	F	Within buckthorn grouping	Remove due to construction
185	Basswood	Tilia americana	3.5	14	F	Within buckthorn grouping, multi-stem at base	Remove due to construction
186	Basswood	Tilia americana	4.5	21	F	Within buckthorn grouping, 3 stem at 0.1 metres	Remove due to construction
187	Ash Sp.	Fraxinus Sp.	5	19	P	Within buckthorn grouping, signs of EAB	Remove due to grading
188	Ash Sp.	Fraxinus Sp.	6	19	P	Within buckthorn grouping, signs of EAB	Remove due to grading
189	Ash Sp.	Fraxinus Sp.	8	21	P	Within buckthorn grouping, signs of EAB, 2 stem at 0.4 metres	Remove due to grading

190	Ash Sp.	Fraxinus Sp.	5	20	P	Within buckthorn grouping, signs of EAB	Remove due to grading
191	Manitoba Maple	Acer negundo	7	22	F	Minor deadwood throughout, multi-stem, potential boundary tree	Retain
192	Basswood	Tilia americana	6	17	F	Multi-stem	Retain
193	Basswood	Tilia americana	3	13	F	Multi-stem	Retain
194	Basswood	Tilia americana	4	13	F	Multi-stem	Retain
195	Basswood	Tilia americana	3	26	D	Tree is 100% dead, multiple limbs previously failed	Remove due to construction
196	American Elm	Ulmus americana	11	75	F	Minor deadwood throughout, 3 stem at 1.9 metres, potential boundary tree	Retain
197	Manitoba Maple	Acer negundo	8	18	P	Partial failure at base of main trunk and union, water shoots at base, minor deadwood throughout	Retain
198	Basswood	Tilia americana	3	13	F	Mild lean	Retain
199	Basswood	Tilia americana	7	18	F	Multi-stem at base	Retain
200	Manitoba Maple	Acer negundo	4	12	F/P	2 stem at 0.3 metres, moderate lean, minor deadwood in canopy	Retain
201	Manitoba Maple	Acer negundo	3	13	P	2 stem at base, one stem is dead with cavity at base, moderate lean	Retain
202	Manitoba Maple	Acer negundo	4	19	P	Main leader is dead and previously failed	Retain
203	Manitoba Maple	Acer negundo	8	26	F/P	2 stem at 0.6 metres, one stem is in decline, water shoots throughout	Retain
204	Manitoba Maple	Acer negundo	8	17	F/P	2 stem at 0.6 metres, minor deadwood throughout, water shoots throughout	Retain
205	Manitoba Maple	Acer negundo	7	23	F/P	2 stem at 0.2 metres, cavity at base, water shoots throughout	Retain

206	Manitoba Maple	Acer negundo	7	16	F	Multi-stem, water shoots throughout, minor deadwood throughout	Retain
207	Manitoba Maple	Acer negundo	4	18	F	Mild lean	Retain
208	Manitoba Maple	Acer negundo	7	25	F	Multi-stem	Retain
209	Manitoba Maple	Acer negundo	8	29	F		Retain
210	Hawthorn Sp.	Crataegus Sp.	7	19	F	Multi-stem	Retain
211	Manitoba Maple	Acer negundo	8	29	F/P	Multi-stem, multiple limbs previously failed, moderate deadwood in canopy, water shoots throughout	Retain
212	Manitoba Maple	Acer negundo	3	17	F/P	Bow in trunk, cavity at 1.0 metre	Retain
213	Shagbark Hickory	Carya ovata	3.5	14	F		Retain
214	Flowering Crabapple Tree	Malus Sp.	9	28	F/P	Multi-stem at 0.4 metres, cavity at stem union, minor to moderate deadwood in canopy	Retain
215	Flowering Crabapple Tree	Malus Sp.	6	26	F		Retain
216	Flowering Crabapple Tree	Malus Sp.	5	20	F	Multi-stem at 0.8 metres	Retain
217	Flowering Crabapple Tree	Malus Sp.	5	15	F	Multi-stem at base, cavity at base between all stems, main stem previously failed	Remove due to construction
218	Flowering Crabapple Tree	Malus Sp.	7	29	F	2 stem at 0.6 metres	Remove due to construction
219	Honey Locust	Gleditsia triacanthos	2.5	15	P	Cavity at base, bow in trunk	Remove due to construction
220	Honey Locust	Gleditsia triacanthos	4	24	F		Remove due to construction
221	Honey Locust	Gleditsia triacanthos	2.5	17	F/P		Remove due to construction
222	Honey Locust	Gleditsia triacanthos	3	28	F	Bow in trunk	Remove due to construction
223	Honey Locust	Gleditsia triacanthos	3.5	26	F		Remove due to construction
224	Honey Locust	Gleditsia triacanthos	5	21	F/P	Significant lean	Remove due to construction
225	Honey Locust	Gleditsia triacanthos	5.5	39	F	Minor deadwood throughout	Remove due to construction

226	Honey Locust	Gleditsia triacanthos	6	30	P	Cavity in trunk	Remove due to construction
227	Honey Locust	Gleditsia triacanthos	7	27	F	Three stem at 1.3 metres	Remove due to construction
228	Honey Locust	Gleditsia triacanthos	3	12	P/D	Tree is 75% dead, 2 stem at 1.1 metre, 1 stem is 100% dead	Remove due to construction
229	Honey Locust	Gleditsia triacanthos	6	26	F	2 stem at 1.3 metres	Remove due to construction
230	Honey Locust	Gleditsia triacanthos	8	56	F	2 stem at 0.2 metres	Remove due to construction
231	Honey Locust	Gleditsia triacanthos	5	32	F		Remove due to construction
232	Honey Locust	Gleditsia triacanthos	8	28	F/P	3 stem at 1.3 metres, cavity at union, previous limb failures	Remove due to construction
233	Honey Locust	Gleditsia triacanthos	3	13	F		Remove due to construction
234	Flowering Crabapple Tree	Malus Sp.	8	24	F	Multi-stem	Retain
235	Flowering Crabapple Tree	Malus Sp.	8	17	F	Multi-stem	Retain
236	Flowering Crabapple Tree	Malus Sp.	6	11	F	Multi-stem	Retain
237	Willow Sp.	Salix Sp.	4	31	F		Retain
238	Colorado Blue Spruce	Picea pungens var. glauca	4.5	34	F/P	Minor deadwood in canopy, imbalanced canopy at one side to 4 metres above grade	Retain
239	Colorado Spruce	Picea pungens	6	42	F	Mild lean	Retain
240	Willow Sp.	Salix Sp.	15	97	F/G		Retain
369	Honey Locust	Gleditsia triacanthos	3	17	P	Cavity in trunk, leader previously failed	Remove due to condition
370	Honey Locust	Gleditsia triacanthos	5	29	F		Remove due to construction
371	Honey Locust	Gleditsia triacanthos	7	38	F		Remove due to construction
372	Honey Locust	Gleditsia triacanthos	12	48	F		Remove due to construction
373	Honey Locust	Gleditsia triacanthos	2	13	P	Cavity in trunk, signs of internal rot	Remove due to construction
374	Honey Locust	Gleditsia triacanthos	5	25	F		Remove due to construction
375	Honey Locust	Gleditsia triacanthos	3	14	F/P		Remove due to construction

376	Honey Locust	Gleditsia triacanthos	11	45	F		Remove due to construction
377	Honey Locust	Gleditsia triacanthos	3	14	F		Remove due to construction
401	Honey Locust	Gleditsia triacanthos	8	35	F		Retain
402	Honey Locust	Gleditsia triacanthos	7	15	F/P	Hollow cavity in lower trunk, forked leaders	Retain
403	Honey Locust	Gleditsia triacanthos	10	28	F	2 stem at 1.1 metres	Retain
404	Honey Locust	Gleditsia triacanthos	8	42	F/P	Hollow cavity in lower trunk, multi-stem	Retain
405	Honey Locust	Gleditsia triacanthos	2	15	P	Moderate to significant deadwood in canopy, one stem previously failed	Retain
406	Honey Locust	Gleditsia triacanthos	-	10	D	Tree is 100% dead	Retain
407	Honey Locust	Gleditsia triacanthos	12	~52	F	Minor deadwood throughout	Retain
408	Honey Locust	Gleditsia triacanthos	7	45	F/P	Cavity at stem union	Retain
409	Cedar Sp.	Thuja Sp.	2	11	F		Retain
410	Honey Locust	Gleditsia triacanthos	4	17	F	Mild lean, minor deadwood in canopy	Retain
411	Honey Locust	Gleditsia triacanthos	11	40	F		Retain
412	Honey Locust	Gleditsia triacanthos	14	50	F	2 stem at 0.7 metres	Retain
413	Honey Locust	Gleditsia triacanthos	10	43	F		Retain
414	Honey Locust	Gleditsia triacanthos	12	32	F/P		Retain
415	Honey Locust	Gleditsia triacanthos	9	32	F		Retain
416	Honey Locust	Gleditsia triacanthos	9	38	F		Retain
417	Honey Locust	Gleditsia triacanthos	-	25	D	Tree is 100% dead	Retain
418	Honey Locust	Gleditsia triacanthos	14	53	F	Minor deadwood throughout	Retain
419	Honey Locust	Gleditsia triacanthos	17	58	F	Co-dominant at base	Retain
420	Honey Locust	Gleditsia triacanthos	5	27	F		Retain
421	Honey Locust	Gleditsia triacanthos	8	53	F		Retain

422	Honey Locust	Gleditsia triacanthos	7	30	F		Retain
423	Honey Locust	Gleditsia triacanthos	6	31	F		Retain
424	Honey Locust	Gleditsia triacanthos	5	22	F/P	Moderate deadwood throughout	Retain
425	Honey Locust	Gleditsia triacanthos	7	34	F		Retain
426	Honey Locust	Gleditsia triacanthos	7	42	F	Minor deadwood throughout	Retain
427	Honey Locust	Gleditsia triacanthos	5	16	F/P	Hollow cavity at forked union	Retain
428	Honey Locust	Gleditsia triacanthos	2	16	F/P	Multiple stems previously failed	Retain
429	Honey Locust	Gleditsia triacanthos	21	77	F	Minor deadwood throughout	Retain
430	Honey Locust	Gleditsia triacanthos	6	38	F	Mild lean	Retain
431	Honey Locust	Gleditsia triacanthos	12	27	F	2 stem at base	Retain
432	Honey Locust	Gleditsia triacanthos	14	33	F	Forked leaders	Retain
433	Flowering Crabapple Tree	Malus Sp.	4	17	F	Mild lean	Retain
434	Linden Sp.	Tilia Sp.	3	22	F/P	Moderate lean, moderate deadwood throughout	Retain
435	Poplar Sp.	Populus Sp.	3	11	F	Mild lean	Retain
436	Norway Maple	Acer platanoides	7	20	F		Retain
437	Manitoba Maple	Acer negundo	8	23	F/P	Minor to moderate deadwood throughout, previous limb failure	Retain
438	Norway Maple	Acer platanoides	14	51	F		Retain
439	Poplar Sp.	Populus Sp.	6	18	F	Mild to moderate lean	Retain
440	Poplar Sp.	Populus Sp.	9	57	P	Multiple past failures, major structural issues, mild lean, significant deadwood throughout	Retain
441	Ash Sp.	Fraxinus Sp.	-	18	D	Tree is 100 dead, signs of EAB	Retain
442	Manitoba Maple	Acer negundo	10	39	F		Retain
443	Poplar Sp.	Populus Sp.	11	36	F		Retain
444	Poplar Sp.	Populus Sp.	6	20	F		Retain
445	Poplar Sp.	Populus Sp.	5	17	F		Retain
446	Poplar Sp.	Populus Sp.	6	19	F		Retain

447	Manitoba Maple	Acer negundo	6	20	F/P	Significant deadwood throughout	Retain
448	Norway Maple	Acer platanoides	10	15	F		Retain
449	Manitoba Maple	Acer negundo	8	24	F/P	Moderate deadwood throughout	Retain
450	Manitoba Maple	Acer negundo	9	27	F	Minor deadwood throughout	Retain
451	Manitoba Maple	Acer negundo	4	30	F/P	Moderate to significant deadwood throughout	Retain
452	Manitoba Maple	Acer negundo	8	22	F/P	Moderate to significant deadwood throughout	Retain
453	Manitoba Maple	Acer negundo	8	20	F	Minor deadwood throughout	Retain
454	Manitoba Maple	Acer negundo	9	22	F/P	Significant deadwood throughout	Retain
455	Manitoba Maple	Acer negundo	5	18	F/P	Moderate to significant deadwood throughout, one stem dead	Retain
456	Manitoba Maple	Acer negundo	6	25	F	Minor deadwood throughout	Retain
457	Manitoba Maple	Acer negundo	6	26	F	Minor deadwood throughout	Retain
458	Manitoba Maple	Acer negundo	6	20	F	Minor deadwood throughout	Retain
459	Manitoba Maple	Acer negundo	6	20	F	Significant lean and bow in structure	Retain
460	Manitoba Maple	Acer negundo	3	19	F	Minor deadwood throughout	Retain
461	Silver Maple	Acer saccharinum	18	42	F	Multi-stem at 0.6 metres	Retain
462	Silver Maple	Acer saccharinum	18	37	F	Multi-stem at 0.9 metres	Retain
463	Norway Maple	Acer platanoides	7	30	F	Previous limb failures	Retain
464	Norway Maple	Acer platanoides	6	27	F		Retain
465	Norway Maple	Acer platanoides	7	25	F	Mild lean	Retain
466	Norway Maple	Acer platanoides	8	29	F		Retain
467	Norway Maple	Acer platanoides	10	39	F	Signs of internal rot	Retain
468	Manitoba Maple	Acer negundo	11	54	P	Severe cavity at base resulting in poor structural integrity	Retain
469	Silver Maple	Acer saccharinum	17	63	F		Retain

470	Manitoba Maple	Acer negundo	18	69	F/P	Suckers at base, minor to moderate deadwood throughout	Retain
471	Black Walnut	Juglans nigra	21	56	F		Retain
472	Silver Maple	Acer saccharinum	17	71	F	Minor deadwood throughout, suckers at base	Retain
473	Manitoba Maple	Acer negundo	15	34	F	Multi-stem, multiple previous limb failures, minor deadwood throughout	Retain
474	Poplar Sp.	Populus Sp.	7	33	F		Retain
475	Poplar Sp.	Populus Sp.	5	21	F	Mild to moderate lean	Retain
476	Poplar Sp.	Populus Sp.	11	35	F		Retain
477	Poplar Sp.	Populus Sp.	6	25	F		Retain
478	Poplar Sp.	Populus Sp.	5	30	F	Bow in upper structure	Retain
479	Poplar Sp.	Populus Sp.	5	21	F	Mild lean	Retain
480	Poplar Sp.	Populus Sp.	2	17	P	Significant deadwood throughout	Retain
481	Norway Maple	Acer platanoides	12	52	F	Minor deadwood throughout	Retain
A	Poplar Sp.	Populus Sp.	-	-	F	Poplar grouping, ~47 stems at 4-8cm DBH	Retain

The above table summarizes the on-site trees. The trees shown with a tone are recommended for removal. The remaining trees will be subject to tree protection per Town of Caledon standards as outlined on drawing 1-TI-14. It is noted that not all trees marked for retention require tree protection hoarding. Refer to TI-1 – TI-13 for size and layout of tree protection hoarding.

TREE COMPENSATION

As compensation for the removal of 63 trees, a total of 309 trees have been proposed on site. This is in addition to the 568 trees proposed in the restoration planting areas and 339 trees proposed in the channel realignment area.

PHOTO RECORD



Trees 101 – 105



Trees 106 – 109



Trees 110 – 113



Trees 114 – 118



Trees 119 – 122



Trees 123 – 125



Trees 126 – 128, 130



Trees 129, 131



Tree 131



Tree 132



Trees 132 – 134



Trees 135 – 138



Trees 139 – 144



Tree 145



Tree 146



Tree 147



Trees 148 – 150



Trees 151 – 155



Trees 156, 157



Trees 158, 159



Tree 160



Tree 161



Trees 162 – 165



Tree 166



Tree167



Tree 168



Tree 169



Trees 170, 171



Trees 172 – 174



Trees 175 – 186



Trees 187 – 190



Trees 191, 196 – 199



Trees 192 – 195



Trees 200 – 205



Trees 206 – 209



Trees 210 – 214



Tree 215



Tree 216



Trees 217, 218



Trees 219 – 228



Trees 229 – 233



Tree 234



Tree 235



Tree 236



Tree 237



Trees 238, 239



Tree 240



Trees 369 – 377



Trees 401 – 429



Trees 430 – 432



Trees 433, 434



Trees 435 – 437



Tree 438



Trees 439, 440



Trees 441, 442



Trees 443 – 453



Trees 454 – 460



Trees 461, 462



Trees 463, 464



Trees 465, 466



Trees 467 – 473



Trees 474 – 480, A



Tree 481

TREE PROTECTION RECOMMENDATIONS

The following standards shall apply to any trees that are identified to be retained. Where the municipality enforces its own standards, those of the governing municipality shall supersede the recommendations contained herein. In all other instances, the following recommendations shall be treated as minimum standards for tree protection and retention.

1.0 ESTABLISH A TREE PROTECTION ZONE

The purpose of the tree protection zone is to prevent root damage, soil compaction and soil contamination during construction activities. Workers and machinery shall not disturb the tree protection zone in any way. In order to prevent access, the following recommendations are offered.

- Install tree protection hoarding as per Town of Caledon detail 1-TI-14.
- Allow no fill, equipment, supplies, or waste within the tree protection zone.
- Maintain the tree protection hoarding in good condition for the duration of construction.
- Tree protection hoarding is not to be removed until all construction activities have been completed.

2.0 ROOT PRUNING

Where possible, hand dig areas closest to each tree to prevent any unnecessary tearing or pulling of roots. Removal of roots that are greater than 2.5 centimeters in diameter or roots that are injured or diseased should be performed as follows:

- Preserve the root bark ridge (similar in structure to the branch bark ridge). Directional Root Pruning (DRP) is the recommended technique and should be employed during hand excavation around tree roots. Roots are similar to branches in their response to pruning practices. With DRP, objectionable and severely injured roots are properly cut to a lateral root that is growing downward or in a favorable direction.
- All roots needing to be pruned or removed shall be cut cleanly with sharp hand tools, by a Certified Arborist.
- No wound dressings or pruning paint shall be used to cover the ends of each cut.
- All roots requiring pruning shall be cut using any of the following tools:
Large or small loppers, Hand pruners, Small hand saws, Wound scribes
- Avoid prolonged exposure of tree roots during construction - keep exposed roots moist and dampened with mulching materials, irrigation or wrap in burlap if exposed for longer than 4 hours.

3.0 FERTILIZATION AND IRRIGATION

The following measures are recommended:

- Aeration and deep root fertilize to ensure that all trees receive the appropriate nutrients for healthy growth.
- Fertilizer must be a low nitrogen formula such as 5-30-30 to promote root growth rather than shoot growth.
- If construction occurs during July and / or August, roots must be irrigated during conditions of drought.

4.0 ESTABLISH MAINTENANCE PROGRAM

Pre-Construction:

- Prune all trees to remove any deadwood and obstruction prune as required.

During Construction:

- Irrigate tree preservation zones during drought conditions (June through September), in an attempt to reduce the effects of drought stress.
- Inspect the site every month to ensure that all tree protection fence / hoarding is in place and in good condition, inspect the trees to monitor condition.

Post-Construction:

- Prune crowns to remove any newly developed deadwood only. Do not remove any live growth.
- Inspect the trees three times per year (May, July, and September) to monitor condition for a minimum period of 2 additional years.

5.0 LANDSCAPING

Any landscaping completed within the tree preservation zones, after construction is completed and tree protection fencing / hoarding has been removed, is to be carried out in such a way that it will not cause damage to any of the trees or their roots. The trees must be protected to the same standards listed earlier in this report, but without the use of tree protection fence or hoarding.

The following guidelines are recommended:

- **No grade changes** are permitted which include adding and/or removing soil.
- **No excavation** is permitted that can cause damage to the roots of the tree.
- **No heavy equipment** can be used to compact the soil within the tree preservation zone.
- Where possible, hard surface paving around trees to be protected should be constructed using permeable products such as interlocking stone. Areas to be paved must be hand dug when encroaching within the tree protection zone.

CONCLUSIONS

Based on our investigations, we are of the opinion that sixty-three (63) trees will require removal to accommodate the proposed construction. The remaining trees can be successfully retained if the recommendations within this report are followed. No tree shall be harmed or removed prior to applying for and receiving the requisite permits from the Town of Caledon.

Trees which are to remain shall be protected according to the tree protection details and the required protection hoarding shall be installed, inspected and approved prior to the commencement of any construction activities.

Should you have any questions regarding this report, please contact the undersigned directly.

Respectfully submitted,

MHBC Planning, Urban Design & Landscape Architecture



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