

PROPOSED DEVELOPMENT & CONSERVED VEGETATION PLAN 1 of 2

SCALE = 1:300



REFER TO TREE CONSERVATION REPORT FOR ADDITIONAL INFORMATION AND DETAIL ABOUT THE INVENTORY AND ASSESSMENT PROCESS

TREES TO BE PRESERVED (41 TOTAL)

ID #	GENERAL INFORMATION			SIZE		HEALTH & CONDITION			RECOMMENDATIONS	
	BOTANICAL NAME	COMMON NAME	LOCATION/ OWNERSHIP	DBH (cm)	HEIGHT (m)	STRUCTURAL INTEGRITY	COMMENTS	EXPECTED CONSTRUCTION IMPACT (CRZ = critical root zone)	PRESERVE OR REMOVE	NOTES / IMPACT MITIGATION / CONSENT REQUIREMENTS

TREES WITHIN SUBJECT SITE (6)

233	<i>Quercus macrocarpa</i> var. <i>pernans</i>	Honeylocust	Subject site	22	3.5	5	fair	lichen on trunk, crossing branches, no flare	none	preserve	none
234	<i>Quercus macrocarpa</i> var. <i>pernans</i>	Honeylocust	Subject site	24	4	5	fair	lichen on trunk, crossing branches	none	preserve	none
235	<i>Quercus macrocarpa</i> var. <i>pernans</i>	Honeylocust	Subject site	22	4	5	fair	lichen on trunk, no flare, minor epicormic growth, minor dead wood	none	preserve	none
236	<i>Quercus macrocarpa</i> var. <i>pernans</i>	Honeylocust	Subject site	20	3.5	5	fair	Minor dead wood	none	preserve	none
237	<i>Quercus macrocarpa</i> var. <i>pernans</i>	Honeylocust	Subject site	22	4	5	fair	Unbalanced crown	none	preserve	none
238	<i>Quercus macrocarpa</i> var. <i>pernans</i>	Honeylocust	Subject site	21	3.5	5	fair	Minor dead wood	none	preserve	none

TREES WITHIN PRIVATE PROPERTY ADJACENT TO SUBJECT SITE (10)

201	<i>Ulmus spp.</i>	Birch	171 Old Montreal Rd	25	3	5	good	loose crown	none	preserve	none	
202	<i>Quercus macrocarpa</i>	Bur Oak	171 Old Montreal Rd	14	2	5	good	low branched	none	preserve	none	
203	<i>Quercus macrocarpa</i>	Bur Oak	171 Old Montreal Rd	10	2	5	fair	low branched	none	preserve	none	
21	<i>Quercus macrocarpa</i>	Bur Oak	80 Cartographie St	15	5	5	fair	Multistem 5, dense crown	approx. 20% of critical root zone expected to be removed	preserve	tree protection barrier	
59	<i>Quercus macrocarpa</i>	Bur Oak	195 Old Montreal Rd	21	3	4	fair	low branched	approx. 20% of critical root zone expected to be removed	preserve	tree protection barrier	
84	<i>Quercus macrocarpa</i>	Bur Oak	171 Old Montreal Rd	42	5	5	fair	Epicormic growth	approx. 5% of critical root zone expected to be removed	preserve	tree protection barrier	
85	<i>Quercus macrocarpa</i>	Bur Oak	171 Old Montreal Rd	48	7	5	fair	poor	codominant leaders, trunk cavity at primary union, dead wood and rot	less than 5% of critical root zone expected to be removed	preserve	tree protection barrier
85b	<i>Quercus macrocarpa</i>	Bur Oak	171 Old Montreal Rd	18	3	5	fair	good	Suppressed	none	preserve	tree protection barrier
89	<i>Quercus macrocarpa</i>	Bur Oak	171 Old Montreal Rd	28	6	5	fair	good	Unbalanced crown	approx. 5% of critical root zone expected to be removed	preserve	tree protection barrier
92	<i>Quercus macrocarpa</i>	Bur Oak	171 Old Montreal Rd	22	4	5	good	good	Suppressed	approx. 5% of critical root zone expected to be removed	preserve	tree protection barrier

MUNICIPAL TREES (25)

204	<i>Acer rubrum</i>	Red Maple	City ROW - Famille Laporte Ave	5	1	2	fair	poor	Bvd, significant trunk damage and wounds	none	preserve	none
205	<i>Acer rubrum</i>	Red Maple	City ROW - Famille Laporte Ave	8	1.5	5	good	good	Bvd, suckering from base, low crown	none	preserve	none
206	<i>Quercus rubra</i>	Red Oak	City ROW - Famille Laporte Ave	5	1.25	5	good	good	Bvd, low crown	none	preserve	none
207	<i>Celtis occidentalis</i>	Hackberry	City ROW - Famille Laporte Ave	5	1.25	5	good	good	Bvd, full form	none	preserve	tree protection fence
211	<i>Acer rubrum</i>	Red Maple	City ROW - Famille Laporte Ave	7	1	3	poor	poor	Bvd, dead leader, entire "crown" is epicormic growth	none	preserve	none
212	<i>Quercus rubra</i>	Red Oak	City ROW - Famille Laporte Ave	6	1	4	fair	fair	Bvd, basal damage, dead wood	none	preserve	none
218	<i>Celtis occidentalis</i>	Hackberry	City ROW - Famille Laporte Ave	8	1	5	good	good	Bvd, basal damage	none	preserve	none
214	<i>Acer saccharum</i>	Sugar Maple	City ROW - Famille Laporte Ave	3	0.5	5	fair	fair	Bvd, basal damage, early defoliation	none	preserve	none
215	<i>Quercus rubra</i>	Red Oak	City ROW - Famille Laporte Ave	7	1.25	5	good	good	Bvd, unbalanced crown	none	preserve	none
216	<i>Acer saccharum</i>	Sugar Maple	City ROW - Famille Laporte Ave	4	0.75	5	fair	good	Bvd, narrow form	none	preserve	none
217	<i>Acer rubrum</i>	Red Maple	City ROW - Famille Laporte Ave	9	1.25	5	fair	fair	Bvd, suckering from base, sealing vertical trunk wounds	none	preserve	none
218	<i>Acer rubrum</i>	Red Maple	City ROW - Famille Laporte Ave	4	0.5	5	fair	fair	Bvd, trunk wounds	none	preserve	none
219	<i>Acer rubrum</i>	Red Maple	City ROW - Famille Laporte Ave	9	1.5	5	fair	fair	Bvd, significant suckering from base	none	preserve	none
220	<i>Quercus rubra</i>	Red Oak	City ROW - Famille Laporte Ave	8	2	5	fair	fair	Bvd, minor basal damage, 5 leaders	none	preserve	none
221	<i>Acer rubrum</i>	Red Maple	City ROW - Famille Laporte Ave	8	2.25	5	fair	fair	Bvd, suckering from base, basal wound, diminished leader	none	preserve	none
222	<i>Acer saccharum</i>	Sugar Maple	City ROW - Famille Laporte Ave	6	1.5	5	good	good	Bvd, basal wound	none	preserve	none
223	<i>Quercus rubra</i>	Red Oak	City ROW - Famille Laporte Ave	6	1.25	5	good	good	Bvd, full form	none	preserve	none
225	<i>Quercus rubra</i>	Red Oak	City ROW - Famille Laporte Ave	7	1	1	poor	poor	Bvd, central leader dead and gone, all remaining living stems are suckering from base	none	preserve	none
226	<i>Acer saccharum</i>	Sugar Maple	City ROW - Famille Laporte Ave	7	1.25	5	excellent	good	Bvd, full form	none	preserve	none
227	<i>Acer rubrum</i>	Red Maple	City ROW - Famille Laporte Ave	9	1.5	5	good	fair	Bvd, basal wound, sealed vertical wounds	none	preserve	none
228	<i>Quercus rubra</i>	Red Oak	City ROW - Famille Laporte Ave	7	1.5	5	fair	good	Bvd, minor basal wound	none	preserve	none
229	<i>Celtis occidentalis</i>	Hackberry	City ROW - Famille Laporte Ave	10	1.5	5	fair	good	Bvd, full form	none	preserve	none
230	<i>Acer rubrum</i>	Red Maple	City ROW - Famille Laporte Ave	10	2	5	fair	good	Bvd, minor suckering from base, girdled leader	none	preserve	none
231	<i>Quercus rubra</i>	Red Oak	City ROW - Famille Laporte Ave	7	2	5	fair	good	Bvd, curved leader	none	preserve	none
232	<i>Acer saccharum</i>	Sugar Maple	City ROW - Famille Laporte Ave	7	1.5	5	good	good	Bvd, minor trunk wounds	none	preserve	none

TREES TO BE PRESERVED (35 TOTAL)

PRE-CONSTRUCTION RECOMMENDATIONS

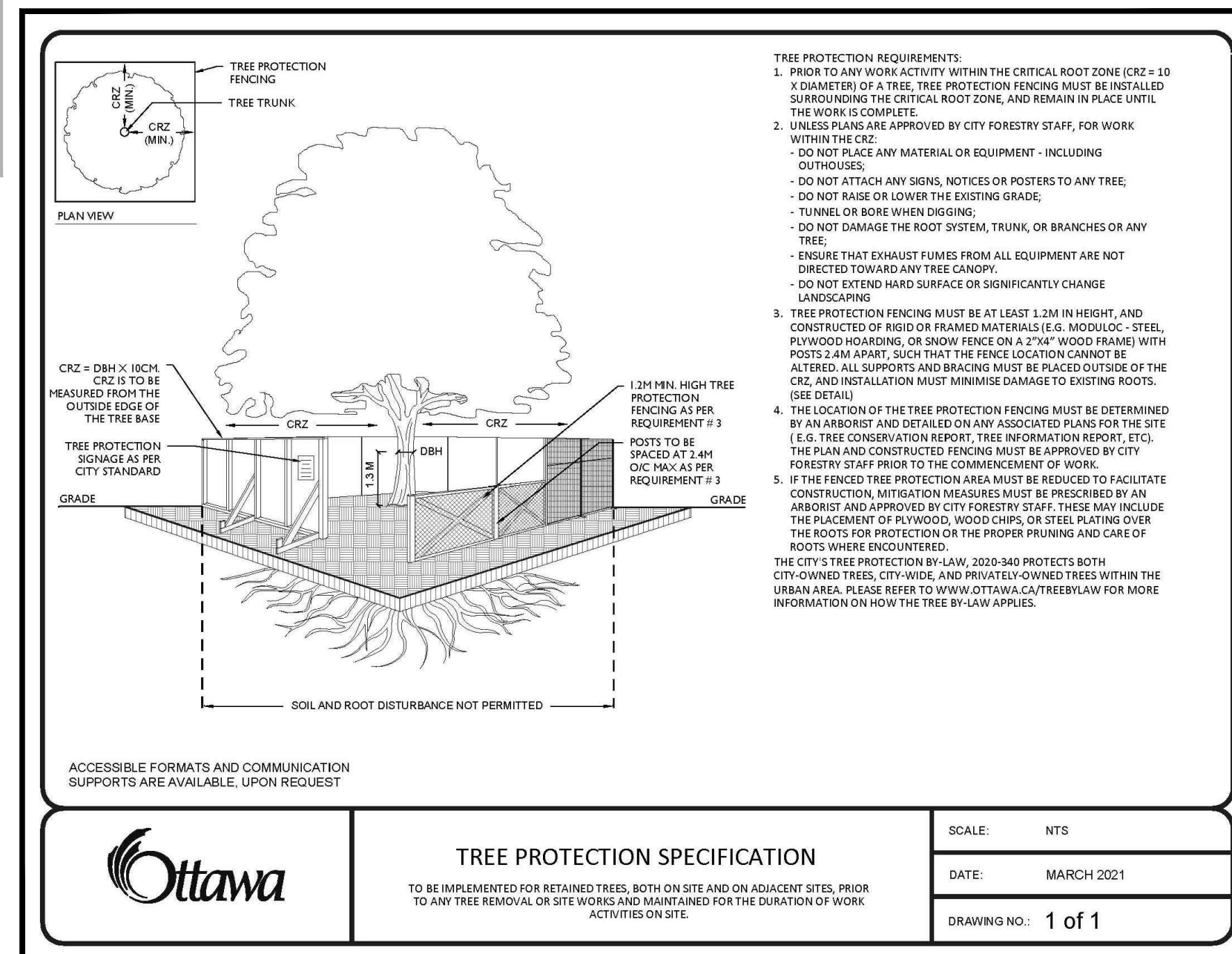
- a) PRIOR TO ANY CONSTRUCTION ACTIVITY, TREE PRESERVATION FENCING IS TO BE INSTALLED AS PER THE ATTACHED TREE PRESERVATION DRAWINGS AND DETAIL.
- b) WHERE HIGH QUALITY SPECIMENS TO BE PRESERVED ARE ADJACENT TO AREAS SUBJECT TO INTENSIVE CONSTRUCTION ACTIVITIES, THESE TREES ARE TO HAVE ADDITIONAL PROTECTION MEASURES IMPLEMENTED TO PROTECT THEIR TRUNKS FROM MECHANICAL DAMAGE. THESE MEASURES MAY INCLUDE SURROUNDING THE TRUNK WITH WOOD PLANKS. TREES THAT REQUIRE ADDITIONAL PROTECTION WILL BE CLEARLY IDENTIFIED ON THE TREE PRESERVATION PLAN WITH DETAILED INFORMATION ON SPECIFIC PROTECTION MEASURES.
- c) TREES APPROVED FOR REMOVAL ARE TO BE CLEARLY INDICATED IN THE FIELD (MARKED WITH SPRAY PAINT OR OTHER AGREED UPON METHOD) BY THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT PRIOR TO ANY TREE REMOVAL OPERATIONS. ALL REMOVALS TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST.
- d) IN ACCORDANCE WITH THE MIGRATORY BIRDS CONVENTION ACT, 1994, ALL REMOVALS MUST TAKE PLACE BETWEEN SEPTEMBER 1ST AND MARCH 31ST TO AVOID DISTURBING NESTING MIGRATORY BIRDS. IF TREE REMOVAL OCCURS BETWEEN APRIL 1ST AND AUGUST 31ST, A BIOLOGIST IS REQUIRED TO COMPLETE A SEARCH FOR NESTS. ONCE CLEARED, THE CONTRACTOR HAS 48 HOURS TO REMOVE. IF REMOVAL DOES NOT OCCUR WITHIN 48 HOURS, ANOTHER SEARCH WILL BE REQUIRED.
- e) CARE SHOULD BE TAKEN DURING THE FELLING OPERATION TO AVOID DAMAGING THE BRANCHES, STEMS, TRUNKS, AND ROOTS OF NEARBY TREES TO BE PRESERVED. WHERE POSSIBLE, ALL TREES ARE TO BE FELLED TOWARDS THE CONSTRUCTION ZONE TO MINIMIZE IMPACTS ON ADJACENT VEGETATION. ALL REMOVALS TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST.
- f) IT IS RECOMMENDED THAT THE EXISTING GROUND-LAYER VEGETATION AT THE BASE OF TREES TO BE PRESERVED REMAIN INTACT WITHIN THE CRITICAL ROOT ZONE SO AS NOT TO DISTURB THE SOIL AROUND THE BASE OF THE EXISTING TREES.
- g) FINAL SITE GRADING PLANS SHOULD ENSURE THAT THE EXISTING SOIL MOISTURE CONDITIONS ARE MAINTAINED.

RECOMMENDATIONS RELATED TO THE CONSTRUCTION PROCESS

- a) TREE PRESERVATION FENCING IS TO BE MAINTAINED IN GOOD CONDITION AND EFFECTIVE FOR THE DURATION OF CONSTRUCTION UNTIL ALL CONSTRUCTION ACTIVITY IS COMPLETE OR AS PER THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT.
- b) NO CONSTRUCTION EXCAVATION, ADDING OF FILL, STOCKPILING OF CONSTRUCTION MATERIAL, OR HEAVY EQUIPMENT IS PERMITTED WITHIN THE CRITICAL ROOT ZONE WITHIN THE TREE PRESERVATION FENCING.
- c) WHEN EXCAVATION NEAR A TREE IS REQUIRED, AND IT IS ANTICIPATED THAT ROOTS WILL BE SEVERED AND EXPOSED, DURATION OF EXPOSURE IS TO BE MINIMIZED TO PREVENT ROOT DESICCATION.
- d) DURING THE EXCAVATION PROCESS, ROOTS 25MM OR LARGER THAT ARE SEVERED AND EXPOSED SHOULD BE HAND PRUNED TO LEAVE A CLEAN-CUT SURFACE. TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST. EXPOSED SEVERED ROOTS THAT CANNOT BE COVERED IN SOIL ON THE SAME DAY AS THE CUTS ARE MADE ARE TO BE KEPT MOIST. EXPOSED ROOTS ARE TO BE KEPT MOIST BY COVERING THEM WITH WATER SOAKED BURLAP OR ANY OTHER MEANS AVAILABLE TO PREVENT THEM FROM DRYING OUT.
- e) AVOID IDLING HEAVY EQUIPMENT UNDER/WITHIN CLOSE PROXIMITY TO TREES TO BE PRESERVED TO PREVENT CANOPY DAMAGE FROM EXPOSURE TO EXHAUST HEAT.

POST-CONSTRUCTION RECOMMENDATIONS

- a) AVOID DISCHARGING RAIN WATER LEADERS ADJACENT TO RETAINED TREES, AS THIS MAY RESULT IN AN OVERLY MOIST ENVIRONMENT WHICH CAN CAUSE ROOT ROT.
- b) AFTER ALL WORK IS COMPLETED, TREE PRESERVATION FENCES AND ANY OTHER IMPACT MITIGATION PARAPHERNALIA MUST BE REMOVED.
- c) A FINAL REVIEW MUST BE UNDERTAKEN BY THE PROJECT ARBORIST TO ENSURE THAT ALL MITIGATION MEASURES AS DESCRIBED ABOVE HAVE BEEN MET.



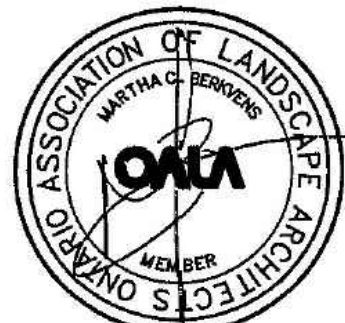
LEGEND

- 5 - EXISTING DECIDUOUS TREES TO REMAIN
- 6 - EXISTING CONIFEROUS TREES TO REMAIN
- CRITICAL ROOT ZONE - 10cm RADIUS PER 1cm DBH
- TREE PROTECTION BARRIER - SEE DETAIL



ALL DRAWINGS REMAIN THE PROPERTY OF THE LANDSCAPE ARCHITECT AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE LANDSCAPE ARCHITECTS WRITTEN PERMISSION.
THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION OR TENDER PURPOSES UNLESS SIGNED AND DATED BY RONALD H. KOUUDYS, O.A.L.A. C.S.L.A. LANDSCAPE ARCHITECT, LONDON, ONTARIO (519) 887-3322.

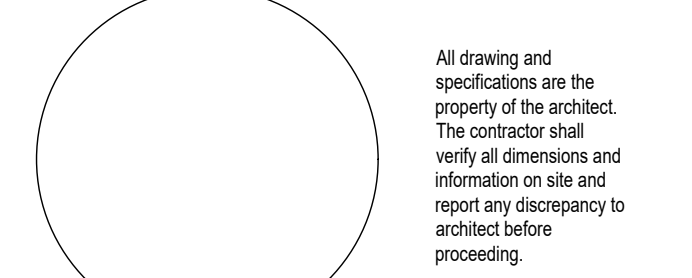
Ronald H. Kouudys, O.A.L.A. C.S.L.A. DATE



9	AUG 19 2022	ISSUED FOR SITE PLAN CONTROL APPLICATION	MCB
8	AUG 19 2022	ISSUED FOR ZONING BY-LAW AMENDMENT	MCB
7	JUL 29 2022	ISSUED FOR ZONING BY-LAW AMENDMENT	MCB
6	FEB 24 2022	ISSUED FOR ZONING BY-LAW AMENDMENT	MCB
5	DEC 02 2021	ISSUED FOR SPA & ZONING BY-LAW AMENDMENT	MCB
4	NOV 19 2021	ISSUED FOR 100% DD	MCB
3	NOV 19 2021	ISSUED FOR 25% SPA	MCB
2	OCT 22 2021	ISSUED FOR 50% DD	MCB
1	AUG 26 2021	ISSUED FOR 100% SD	MCB

date: revision: by:

revisions



Arch Corp - Orleans

1161 OLD MONTREAL RD, ORLEANS ON, K4A 3N6

TREE PRESERVATION PLAN 4of5

scale:	AS NOTED
drawn by:	MCB
reviewed by:	MCB
job number:	21-164Ln
plot date:	22-08-19
drawing number:	

T-4