

WRITTEN CONSENT FROM ADJOINING LAND OWNERS REQUIRED FOR LAWFUL REMOVAL OF BOUNDARY TREES

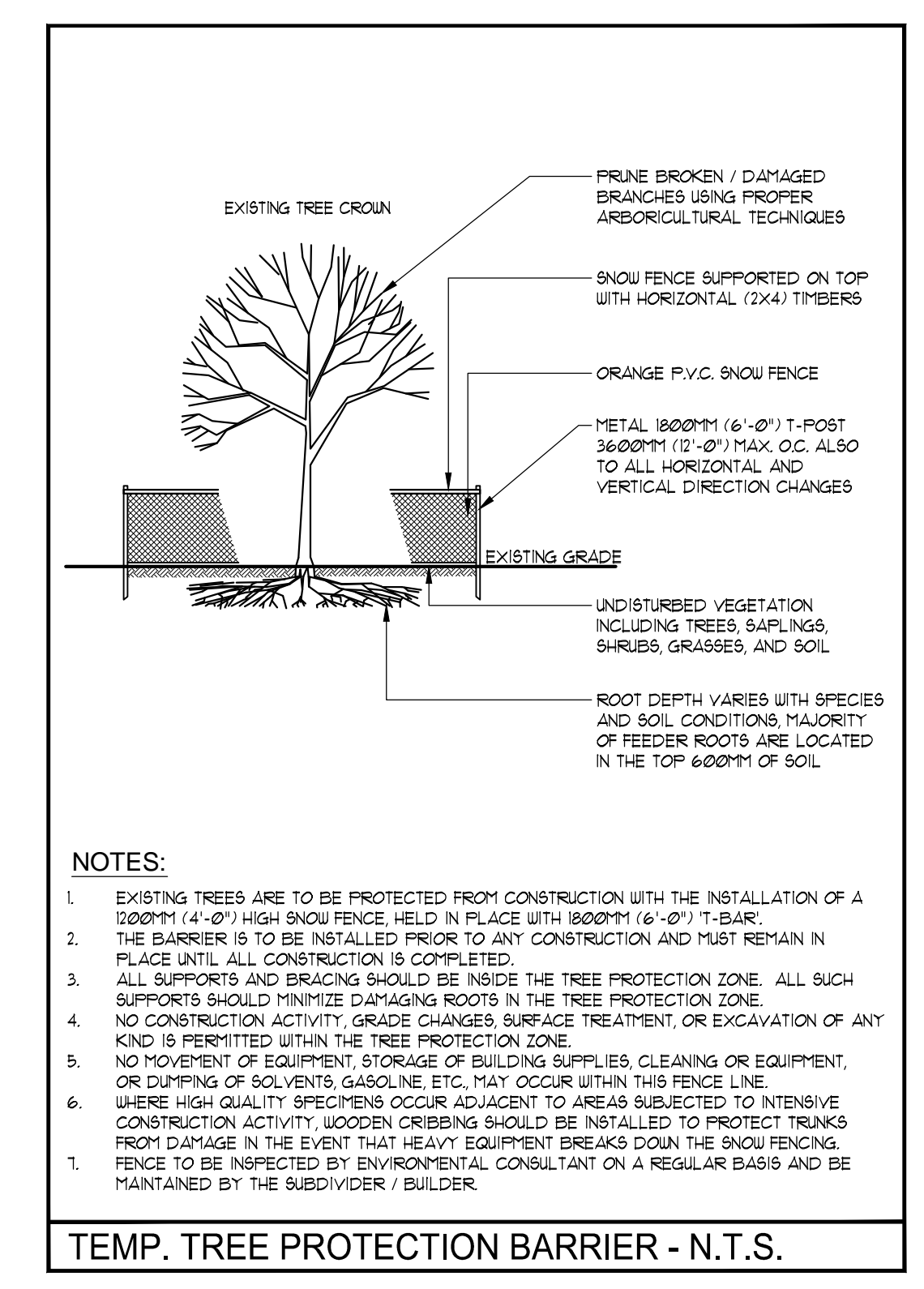
TREES RECOMMENDED FOR PRESERVATION (18)										
GENERAL INFORMATION		SIZE			HEALTH		RECOMMENDATION			
ID #	COMMON NAME	LOCATION	DBH (cm)	CANOPY RADIUS (m)	CROWN CONDITION	STRUCTURAL CONDITION	COMMENTS	PROPOSED ACTION	RATIONALE	CONSENT FOR REMOVAL REQUIRED
1	Hackberry	City Row (Blvd)	4	1	5	good	blind tree guard	preserve	no construction impacts expected	N/A
4	Norway Maple	22 Wethered St	-55	5	4	fair/good	Rubous trunk, trunk cavities, codominant leaders, thin crown	preserve	beyond subject site, no construction impacts expected	N/A
5	Norway Maple	Subject site	18	5	5	good	Minimal flare, canopy heavy west	preserve	minor construction impacts, preference for preserving existing trees that provide visual buffer	N/A
6	Norway Maple	Subject site	26	5	5	good	Bowed trunk, canopy heavy west	preserve	minor construction impacts, preference for preserving existing trees that provide visual buffer	N/A
7	Norway Maple	Subject site	16	5	5	good	Sealing wound at base, suppressed, canopy heavy south	preserve	minor construction impacts, preference for preserving existing trees that provide visual buffer	N/A
8	Norway Maple	Subject site	22	5	5	good	Suppressed, canopy heavy south	preserve	minor construction impacts, preference for preserving existing trees that provide visual buffer	N/A
9	Norway Maple	Subject site	18, 12, 5	4	5	fair	Multi stem 3, suppressed, canopy heavy south, sealing trunk wounds	preserve	minor construction impacts, preference for preserving existing trees that provide visual buffer	N/A
10	Norway Maple	BOUNDARY Subject site & 22 Wethered St	40	7	5	good	Full form	preserve	minor construction impacts, preference for preserving existing trees that provide visual buffer	N/A
14	Bakam Fir	166 Dobie St	-16	4	5	good	Suppressed	preserve	beyond subject site, no construction impacts expected	N/A
18	Siberian Elm	Subject site	20, 12	4.5	5	good	Multi stem 2, upright form, vines climbing into lower canopy	preserve	minor construction impacts, preference for preserving existing trees that provide visual buffer	N/A
21	Hackberry	BOUNDARY Subject site & 171 Dobie St	27	4.5	5	good	Full form, subject side of ex wood fence, porwinkle understory	preserve	no construction impacts expected	N/A
22	Hackberry	BOUNDARY Subject site & 170 Oxford St E	26	6	5	good	Low branched	preserve	no construction impacts expected	N/A
24	Juniper	170 Oxford St E	10	1.5	5	good	Limbed up 2m	preserve	beyond subject site, no construction impacts expected	N/A
25	Juniper	170 Oxford St E	10	1	5	good	Limbed up 2m	preserve	beyond subject site, no construction impacts expected	N/A
27	Norway Maple	168 Oxford St E	-20	5	5	fair	Large vertical wound	preserve	beyond subject site, very minor construction impacts expected	N/A
28	Norway Maple	168 Oxford St E	-35	5	5	good	Bent trunk	preserve	beyond subject site, very minor construction impacts expected	N/A
29	Norway Maple	168 Oxford St E	-16	3	5	good	Codominant leaders	preserve	beyond subject site, very minor construction impacts expected	N/A
34	White Spruce	BOUNDARY Subject site & 168 Oxford St E	-35	5	5	good	Ex. Wood fence leaning on tree trunk, limbed up 6m, some dead lower stems remaining	preserve	construction impacts	N/A

TREES RECOMMENDED FOR REMOVAL (16)											
GENERAL INFORMATION		SIZE			HEALTH		RECOMMENDATION				
ID #	COMMON NAME	LOCATION	DBH (cm)	CANOPY RADIUS (m)	CROWN CONDITION	STRUCTURAL CONDITION	COMMENTS	PROPOSED ACTION	RATIONALE	CONSENT FOR REMOVAL REQUIRED	
2	Silver Maple	BOUNDARY City Row, subject site & 160 Oxford St E	-80	11	4	fair/poor	Crown through chain link and wood fence, entire canopy rest of trunk cut to main trunk level, above primary canopy. Flow scaffold branch to the north, pruned for hydro line clearance, included bark with crack at primary union	remove	poor/ hazardous condition necessitated by construction impacts	YES - consent required from City and owner of 160 Oxford St E	
3	Norway Maple	Subject site	62	5	5	fair/good	Codominant leaders, significant soil disturbance 800 around tree	remove	conflict with proposed building	NO	
11	White Spruce	Subject site	29	3	3	poor	significant trunk damage, limbed up approx 6m	remove	conflict with proposed building	NO	
12	White Spruce	Subject site	42	4	5	good	Limbed up approx 7m	remove	conflict with proposed building	NO	
13	Manitoba Maple	Subject site	-40	7	5	poor	Multi stem 7, all epicormic growth emerging from rotting stump that grew through the ex. chain link fence	remove	poor tree condition	NO	
15	Mulberry	Subject site	-25	8	5	poor/fair	Trunk bend & lean south towards the subject site, significant epicormic growth	remove	poor tree condition	NO	
16	Manitoba Maple	Subject site	10, 8, 3	4	4	poor	Multi stem 3, significant epicormic growth, scabby from vertical trunk wounds	remove	poor tree condition	NO	
17	Mulberry	Subject site	11, 9, 5, 4	4	5	4	poor	Multi stem 5, basal rot, heavily suppressed, some main stems full 90 degree bend south, vines climbing into canopy	remove	poor tree condition	NO
19	Manitoba Maple	Subject site	-40	4	3	poor	Multi stem 8, all epicormic growth emerging from rotting stump, significant dead wood	remove	poor tree condition	NO	
20	Norway Maple	Subject site	32	4	4	poor	Epicormic growth emerging from base, sealing vertical trunk wounds, significant cavity in upper crown, graft form	remove	poor tree condition	NO	
23	Mulberry	BOUNDARY Subject site & 170 Oxford St E	16, 15, 5	5.5	4	poor	Multi stem 3, grown through lattice of fence, suppressed, heavy to the NW, dead wood,weeping wounds	remove	poor tree condition	YES - consent required from owner of 170 Oxford St E	
26	Sugar Maple	BOUNDARY Subject site & 170 Oxford St E	-35	4.5	5	poor	Growing through ex. Chain link fence, codominant leaders, included bark with seam at primary union	remove	poor tree condition	YES - consent required from owner of 170 Oxford St E	
30	Hackberry	BOUNDARY Subject site & 168 Oxford St E	17	4	5	good	South of chain link fence, suppressed, slight lean NE, low branched	remove	conflict with proposed laneway	YES - consent required from owner of 168 Oxford St E	
31	Norway Maple	BOUNDARY Subject site & 168 Oxford St E	12, 10	3	5	fair	Multi stem 2, grown through chain link fence, primary union just above grade	remove	conflict with proposed laneway	YES - consent required from owner of 168 Oxford St E	
32	Black Walnut	BOUNDARY Subject site & 168 Oxford St E	32, 28	5	5	good	Multi stem 2, north of chain link fence, primary union above grade, fork in line with property line	remove	conflict with proposed laneway	YES - consent required from owner of 168 Oxford St E	
33	White Spruce	Subject site	33	3	5	good	Limbed up 6m	remove	conflict with proposed laneway	NO	

NOTE THAT THE FOLLOWING TREES ARE BOUNDARY TREES, AND REQUIRE WRITTEN CONSENT FROM THE SHARED OWNER TO BE REMOVED: TREE #S 2, 23, 24, 30, 31 & 32

VEGETATION UNITS RECOMMENDED FOR REMOVAL (1)									
Vegetation Units		SIZE		HEALTH		RECOMMENDATION			
V1	Common Name	DBH (cm)	Canopy Radius (m)	Crown Condition	Structural Condition	Comments	Proposed Action	Rationale	Consent for Removal Required
V1	White Cedar	20-30	4	4	good	11 individuals, soil piled high on a few individuals	remove	conflict with proposed laneway	NO

TREE PRESERVATION PLAN
SCALE = 1:200



CONSTRUCTION IMPACT MITIGATION RECOMMENDATIONS

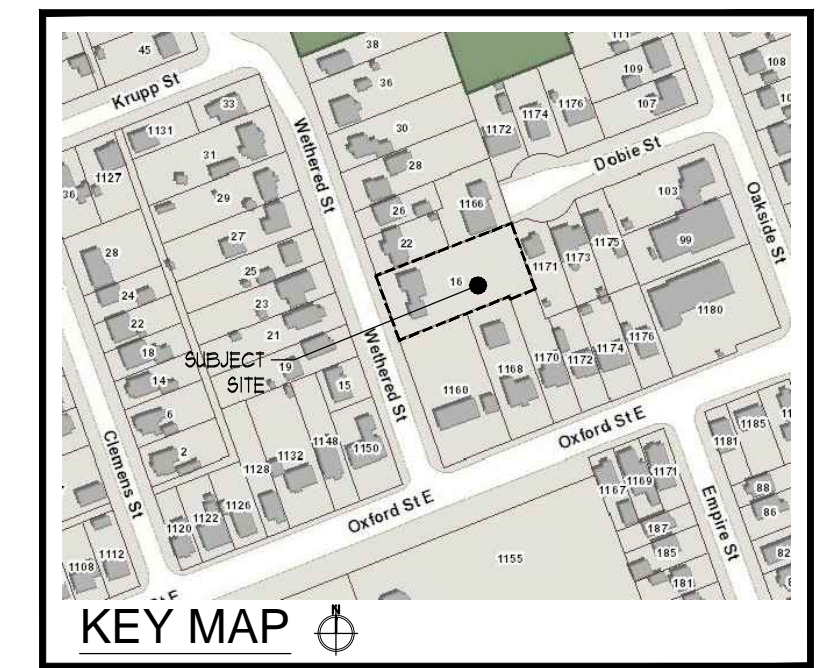
- PRE-CONSTRUCTION RECOMMENDATIONS**
- PRIOR TO ANY CONSTRUCTION ACTIVITY, TREE PRESERVATION FENCING IS TO BE INSTALLED AS PER THE ATTACHED TREE PRESERVATION DRAWINGS AND DETAIL.
 - WHERE HIGH QUALITY SPECIMENS TO BE PRESERVED ARE ADJACENT TO AREAS SUBJECT TO INTENSIVE CONSTRUCTION ACTIVITIES, THESE 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - FINAL SITE GRADING PLANS SHOULD ENSURE THAT THE EXISTING SOIL MOISTURE CONDITIONS ARE MAINTAINED.
 - SOME TREES MAY BE CANDIDATES FOR PRE-CONSTRUCTION ROOT PRUNING TO HELP REDUCE STRESS AND PREPARE THE TREE FOR NEARBY CONSTRUCTION ACTIVITY. THESE TREES ARE TO BE IDENTIFIED ON THE TREE PRESERVATION PLAN ALONG WITH ROOT PRUNING SPECIFICATIONS. TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST.

RECOMMENDATIONS RELATED TO THE CONSTRUCTION PROCESS

- 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.
- TREE PRESERVATION FENCING IS TO REMAIN INTACT AS PER THE TREE PRESERVATION DRAWINGS, AND CAN ONLY BE TEMPORARILY REMOVED WITH THE EXPRESS WRITTEN CONSENT FROM THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT. SHOULD TREE PRESERVATION FENCING BE TEMPORARILY RELOCATED OR MOVED, IT IS TO BE REINSTITATED AS PER THE TREE PRESERVATION PLANS AS SOON AS POSSIBLE.
- 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.
- 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.
- 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.
- AVOID IDLING HEAVY EQUIPMENT UNDER OR WITHIN CLOSE PROXIMITY TO TREES TO BE PRESERVED TO PREVENT CANOPY DAMAGE FROM EXPOSURE TO THE HEAT OF THE EXHAUST.
- BROKEN BRANCHES ON TREES WITHIN THE SUBJECT SITE TO BE PRESERVED SHOULD BE CLEARLY CUT AS SOON AS POSSIBLE AFTER THE DAMAGE HAS OCCURRED. TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST.

POST-CONSTRUCTION RECOMMENDATIONS

- AVOID DISCHARGING RAIN WATER LEADERS ADJACENT TO RETAINED TREES, AS THIS MAY RESULT IN AN OVERLY MOIST ENVIRONMENT WHICH CAN CAUSE ROOT ROT.
- AFTER ALL WORK IS COMPLETED, TREE PRESERVATION FENCES AND ANY OTHER IMPACT MITIGATION PARAPHERNALIA MUST BE REMOVED.
- CORRECTIVE OR CLEARANCE PRUNING MAY BE REQUIRED FOLLOWING CONSTRUCTION. CONSULTING ARBORIST TO MAKE SPECIFIC PRUNING RECOMMENDATIONS FOLLOWING CONSTRUCTION IF REQUIRED.
- A FINAL REVIEW MUST BE UNDERTAKEN BY THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT TO ENSURE THAT ALL MITIGATION MEASURES AS DESCRIBED ABOVE HAVE BEEN MET.



RON KOUDYS LANDSCAPE ARCHITECTS

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

DATE	DESCRIPTION	No.
2020/11/1	ISSUED FOR ZBA	2.
2020/11/6	ISSUED FOR REVIEW	1.

ASSOCIATION OF LANDSCAPE ARCHITECTS

MEMBER

RESIDENTIAL DEVELOPMENT
16 WETHERED STREET
LONDON, ONTARIO

TREE PRESERVATION PLAN

DATE: OCTOBER 2020 SCALE: AS NOTED DRAWING No. T-1

DRAWN: RKL/Inc. CHECKED BY: RJK

PROJECT No. 20-233Lb