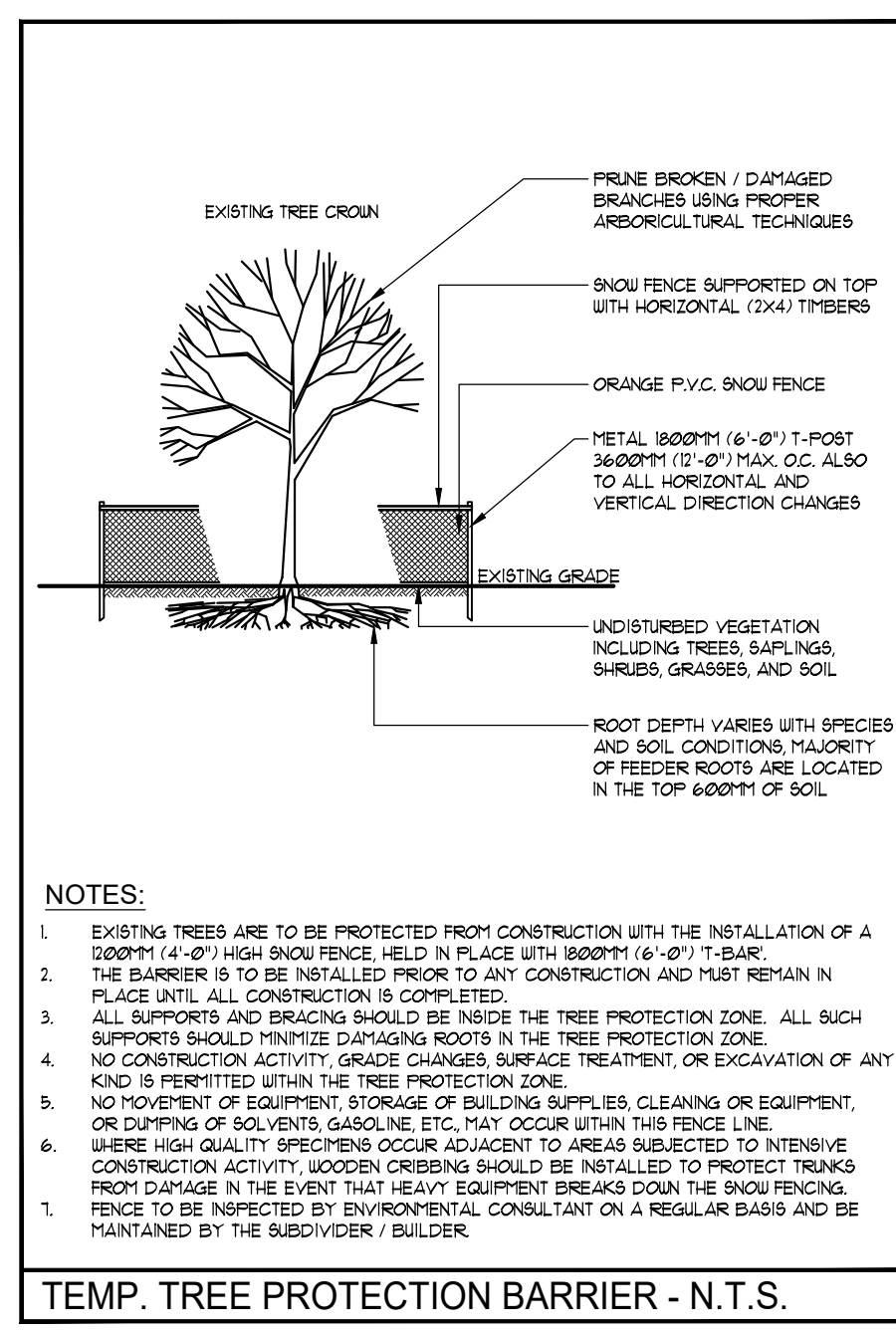


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THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION OR TENDER PURPOSES UNLESS SIGNED AND DATED BY RONALD H. KOUDYNS, O.A.L.A., C.S.L.A., LANDSCAPE ARCHITECT, LONDON, ONTARIO (519) 667-3322.

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

TREES TO BE REMOVED

GENERAL	SIZE	HEALTH	RECOMMENDATION		
ID #	COMMON NAME	CANOPY RADIUS (m)	STRUCTURAL CONDITION	PROPOSED ACTION	RATIONALE
1	Black Locust	4	fair	remove	construction
2	Black Locust	3.5	fair	remove	construction
3	Black Locust	3	fair	remove	construction
4	Black Locust	2.5	fair	remove	construction
5	Black Locust	2	fair	remove	construction
6	Black Locust	2.5	fair	remove	construction
7	Black Locust	2.5	fair	remove	construction
8	Black Locust	1.5	fair	remove	construction
9	Black Locust	2.5	fair	remove	construction
10	Black Locust	2.5	fair	remove	construction
11	Black Locust	3.5	fair	remove	construction
12	Black Locust	2.5	fair	remove	construction
13	Black Locust	2.5	fair	remove	construction
14	Black Locust	2.5	fair	remove	construction
15	Black Locust	3	fair	remove	construction
16	Black Locust	1.5	fair	remove	construction
17	Black Locust	2.5	fair	remove	construction
18	Black Locust	2.5	fair	remove	construction
19	Black Locust	2.5	fair	remove	construction
20	Black Locust	2	fair	remove	construction
21	Black Locust	2.5	fair	remove	construction
22	Black Locust	2	fair	remove	construction
23	Black Locust	2	fair	remove	construction
24	Black Locust	2	fair	remove	construction
25	Black Locust	2.5	fair	remove	construction
26	Black Locust	2.5	fair	remove	construction
27	Black Locust	2	fair	remove	construction
28	Black Locust	2	fair	remove	construction
29	Black Locust	2	fair	remove	construction
30	Black Locust	2.5	fair	remove	construction
31	Black Locust	3	fair	remove	construction
32	Black Locust	3.5	fair	remove	construction
33	Black Locust	1.5	fair	remove	construction
34	Black Locust	2	fair	remove	construction
35	Siberian Elm	1.5	fair	remove	construction
36	Siberian Elm	1.5	fair	remove	construction
37	Siberian Elm	5	poor	remove	health / condition
38	Manitoba Maple	4	poor	remove	health / condition
39	Manitoba Maple	5	poor	remove	health / condition
40	Black Locust		poor	remove	construction



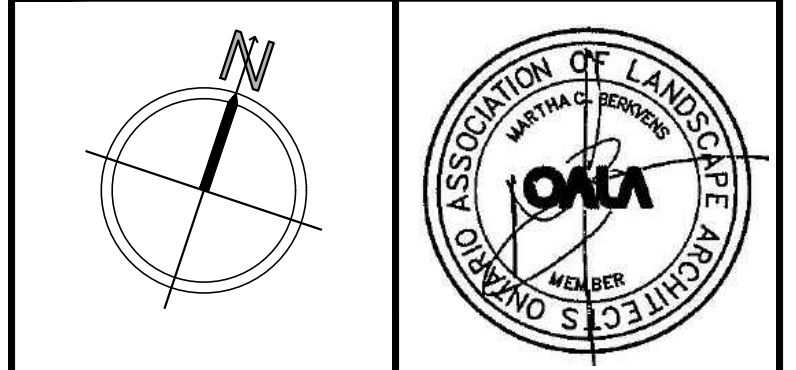
TREE PRESERVATION PLAN
SCALE = 1:250
REFER TO TREE ASSESSMENT REPORT FOR FURTHER INFORMATION

- PRE-CONSTRUCTION RECOMMENDATIONS
- PRIOR TO ANY CONSTRUCTION ACTIVITY OR TREE REMOVAL OPERATIONS, TREE PRESERVATION FENCING IS TO BE INSTALLED AS PER THE ATTACHED TREE PRESERVATION DRAWINGS AND DETAIL. SEE APPENDIX A AND 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.
 - TREES TO BE REMOVED ARE TO BE MARKED WITH SPRAY PAINT BY THE ARBORIST OR LANDSCAPE ARCHITECT PRIOR TO ANY TREE REMOVAL OPERATIONS.
 - IN ACCORDANCE WITH THE MIGRATORY BIRDS CONVENTION ACT, 1994, ALL REMOVALS MUST TAKE PLACE FROM SEPTEMBER 1ST TO MARCH 31ST TO AVOID DISTURBING NESTING MIGRATORY BIRDS. TREES MAY BE REMOVED OUTSIDE THIS WINDOW (BETWEEN APRIL 1ST AND AUGUST 31ST) ONLY IF A QUALIFIED BIRD SPECIALIST/ECOLOGIST HAS DETERMINED THERE ARE NO NESTING BIRDS IN THE TREES.
 - CARE SHOULD BE TAKEN DURING THE FELLING OPERATION TO AVOID DAMAGING THE BRANCHES, STEMS, TRUNKS, AND ROOTS OF THE TREES TO BE PRESERVED. WHERE POSSIBLE, ALL TREES ARE TO BE FELLED TOWARDS THE CONSTRUCTION ZONE TO MINIMIZE IMPACTS ON ADJACENT VEGETATION.
 - HEAVY EQUIPMENT IS NOT ALLOWED TO IDLE UNDER THE DRIP LINE OF TREES TO BE PRESERVED.
 - IT IS RECOMMENDED THAT THE EXISTING GROUND-LAYER VEGETATION REMAIN INTACT 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 TO BE IDENTIFIED ON THE TREE PRESERVATION PLAN.

- RECOMMENDATIONS RELATED TO THE CONSTRUCTION PROCESS
- TREE PRESERVATION FENCING IS TO BE MAINTAINED IN GOOD ORDER UNTIL ALL HEAVY CONSTRUCTION ACTIVITY IS COMPLETE OR AS PER THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT.
 - NO CONSTRUCTION, EXCAVATION, ADDING OF FILL, STOCKPILING OF CONSTRUCTION MATERIAL, OR HEAVY EQUIPMENT IS PERMITTED BETWEEN THE TREE PRESERVATION FENCING AND THE TREE(S) TO BE PROTECTED.
 - 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 THAT ARE SEVERED AND EXPOSED SHOULD BE HAND PRUNED TO LEAVE A CLEAN-CUT SURFACE. 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.
 - BROKEN BRANCHES ON TREES WITHIN THE SUBJECT SITE TO BE PRESERVED SHOULD BE CLEANLY CUT AS SOON AS POSSIBLE AFTER THE DAMAGE HAS OCCURRED. SHOULD BRANCHES ON CITY OWNED TREES BE DAMAGED BY OR DURING CONSTRUCTION, THE CONTRACTOR IS TO NOTIFY THE LOCAL MUNICIPAL FORESTRY OR URBAN FORESTRY DEPARTMENT AS SOON AS POSSIBLE. NO PERSON(S) OTHER THAN CITY STAFF OR THE CITY'S DESIGNATED CONTRACTOR MAY PERFORM WORK ON ANY CITY TREE.
 - AVOID RUNNING ABOVE-GROUND WIRES AND UNDERGROUND SERVICES NEAR TREES TO BE PRESERVED. AVOID OPEN TRENCHING WITHIN THE TREE ROOT ZONE. UTILIZE HORIZONTAL BORING TECHNIQUES TO INSTALL UTILITIES WITHIN ROOT ZONES.
 - FORM CONCRETE SIDEWALK, IF PROPOSED, WITH FIBRE EXPANSION MATERIAL IN PLACE OF WOOD FORMS WHERE ROOTS CONFLICT WITH EXISTING CONCRETE SIDEWALKS. SIDEWALKS TO BE REPLACED THAT ARE IN CLOSE PROXIMITY TO TREES SHOULD REMAIN IN PLACE AS LONG AS POSSIBLE OR UNTIL THE REPLACEMENT SIDEWALKS ARE TO BE INSTALLED. THIS WILL PROVIDE ADDED PROTECTION TO THE ADJACENT TREE'S ROOTS DURING CONSTRUCTION.
 - REGULAR MONITORING OF THE SITE BY THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT WILL HELP TO ENSURE PROPER PROCEDURES ARE FOLLOWED AND PROTECTION BARRIERS ARE MAINTAINED.
- POST-CONSTRUCTION RECOMMENDATIONS
- AVOID DISCHARGING RAIN WATER LEADERS ADJACENT TO RETAINED TREES. THIS MAY RESULT IN AN OVERLY MOIST ENVIRONMENT WHICH WILL CAUSE THE TREE ROOTS TO ROT.
 - AFTER ALL WORK IS COMPLETED, SNOW FENCES AND OTHER BARRIERS SHOULD BE REMOVED.
 - 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.
 - POST CONSTRUCTION MONITORING OF TREES MAY BE REQUIRED.

JULY 15, 2018	ISSUED FOR CLIENT REVIEW	2.
MAY 31, 2018	ISSUED FOR CLIENT REVIEW	1.
DATE	DESCRIPTION	No.

PLOTTING INFORMATION:
PLOTTED DATE: 1/1
PLOTTED SCALE: 1/1



PROJECT TITLE:
RESIDENTIAL/COMMERCIAL DEVELOPMENT
224 Ardagh Rd.
Barrie, Ontario

DRAWING TITLE:
TREE PRESERVATION PLAN

DATE: APRIL 2018	SCALE: AS NOTED	DRAWING No.:
DRAWN: RKL Inc.	CHECKED BY: RKL	T-1
PROJECT No.:		18-125Lg