

### LEGEND

- EXISTING DECIDUOUS TREES TO REMAIN (TREE NUMBER)
- EXISTING DECIDUOUS TREES TO BE REMOVED (TREE NUMBER)
- EXISTING DECIDUOUS TREES TO BE REMOVED OR TRANSPLANTED (TREE NUMBER)
- EXISTING CONIFEROUS TREES TO REMAIN (TREE NUMBER)
- EXISTING CONIFEROUS TREES TO BE REMOVED (TREE NUMBER)
- TREE PROTECTION BARRIER

### TREE RECOMMENDATIONS

TREES TO BE REMOVED		TREES TO BE PRESERVED (BEYOND SUBJECT SITE)		TREES WITH POTENTIAL FOR TRANSPANTING BY THE CITY (WITHIN PART 4)					
ID #	COMMON NAME	SIZE	HEALTH	ID #	COMMON NAME	SIZE	HEALTH	RECOMMENDATION	RATIONALE
1	Black Locust	25, 20, 10, 10	fair	105	Colorado Blue Spruce	-30	good	beyond subject site	beyond subject site
2	Black Locust	15, 12, 10	fair	106	Colorado Blue Spruce	-40	good	beyond subject site	beyond subject site
3	Black Locust	15, 12, 10	fair	107	White Spruce	-14	good	beyond subject site	beyond subject site
4	Black Locust	20	fair	108	Sugar Maple	14	good	beyond subject site	beyond subject site
5	Black Locust	16, 8	fair	109	Royal Red Norway Maple	12	good	beyond subject site	beyond subject site
6	Black Locust	8	fair	110	Royal Red Norway Maple	12	good	beyond subject site	beyond subject site
7	Black Locust	15, 12, 10	fair	111	Royal Red Norway Maple	12	good	beyond subject site	beyond subject site
8	Black Locust	15	fair	112	Royal Red Norway Maple	12	good	beyond subject site	beyond subject site
9	Black Locust	20, 15	fair	113	Royal Red Norway Maple	14	good	beyond subject site	beyond subject site
10	Black Locust	20	fair	114	Sugar Maple	14	good	beyond subject site	beyond subject site
11	Black Locust	10, 9, 7	fair	115	Sugar Maple	14	good	beyond subject site	beyond subject site
12	Black Locust	10, 10, 8	fair	116	Sugar Maple	14	good	beyond subject site	beyond subject site
13	Black Locust	8	fair	117	White Spruce	-14	good	beyond subject site	beyond subject site
14	Black Locust	10	fair	118	White Spruce	-9	good	beyond subject site	beyond subject site
15	Black Locust	20	fair	119	White Spruce	-9	good	beyond subject site	beyond subject site
16	Black Locust	12, 8	fair	120	White Spruce	-9	good	beyond subject site	beyond subject site
17	Black Locust	20	fair	121	White Spruce	-9	good	beyond subject site	beyond subject site
18	Black Locust	20, 15	fair	122	White Spruce	-9	good	beyond subject site	beyond subject site
19	Black Locust	10, 10	fair	123	White Spruce	-9	good	beyond subject site	beyond subject site
20	Black Locust	10	fair	124	White Spruce	-9	good	beyond subject site	beyond subject site
21	Black Locust	15, 10, 10	fair	125	White Spruce	-9	good	beyond subject site	beyond subject site
22	Black Locust	15	fair	126	White Spruce	-9	good	beyond subject site	beyond subject site
23	Black Locust	22	fair	127	White Spruce	-9	good	beyond subject site	beyond subject site
24	Black Locust	20	fair	128	White Spruce	-9	good	beyond subject site	beyond subject site
25	Black Locust	10	fair	129	White Spruce	-9	good	beyond subject site	beyond subject site
26	Black Locust	12, 8	fair	130	White Spruce	-9	good	beyond subject site	beyond subject site
27	Black Locust	20	fair	131	White Spruce	-9	good	beyond subject site	beyond subject site
28	Black Locust	20, 15	fair	132	White Spruce	-9	good	beyond subject site	beyond subject site
29	Black Locust	10, 10	fair	133	White Spruce	-9	good	beyond subject site	beyond subject site
30	Black Locust	10	fair	134	White Spruce	-9	good	beyond subject site	beyond subject site
31	Black Locust	15, 10, 10	fair	135	White Spruce	-9	good	beyond subject site	beyond subject site
32	Black Locust	15	fair	136	White Spruce	-9	good	beyond subject site	beyond subject site
33	Black Locust	20	fair	137	White Spruce	-9	good	beyond subject site	beyond subject site
34	Black Locust	20, 20	fair	138	White Spruce	-9	good	beyond subject site	beyond subject site
35	Black Locust	15, 15, 15	fair	139	White Spruce	-9	good	beyond subject site	beyond subject site
36	Black Locust	10	fair	140	White Spruce	-9	good	beyond subject site	beyond subject site
37	Black Locust	10	fair	141	White Spruce	-9	good	beyond subject site	beyond subject site
38	Black Locust	20, 15	fair	142	White Spruce	-9	good	beyond subject site	beyond subject site
39	Black Locust	10, 10	fair	143	White Spruce	-9	good	beyond subject site	beyond subject site
40	Black Locust	15, 15	fair	144	White Spruce	-9	good	beyond subject site	beyond subject site
41	Black Locust	10	fair	145	White Spruce	-9	good	beyond subject site	beyond subject site
42	Black Locust	5, 15	poor	146	White Spruce	-9	good	beyond subject site	beyond subject site

### 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.

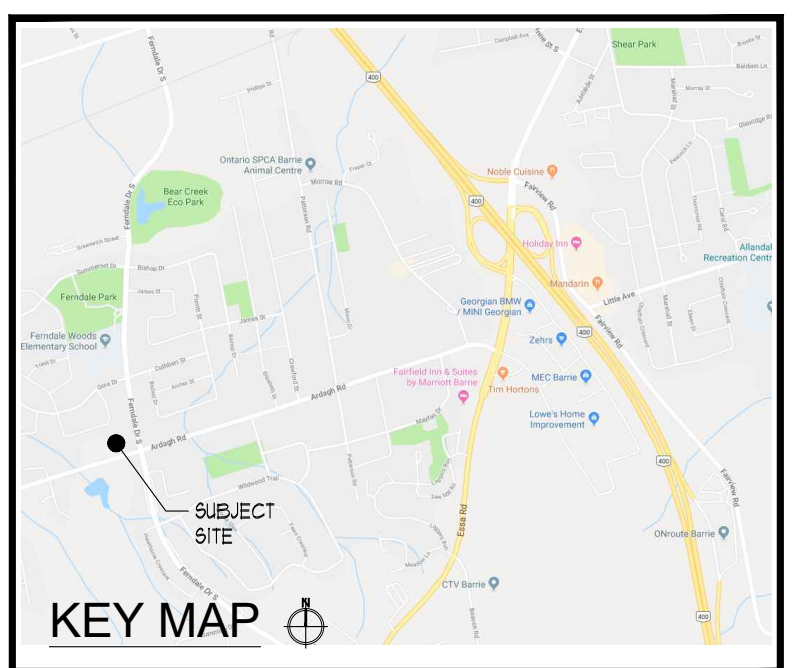
#### POST-CONSTRUCTION RECOMMENDATIONS

- 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.

#### TEMP. TREE PROTECTION BARRIER - N.T.S.

#### TREES TO BE PRESERVED (BEYOND SUBJECT SITE)

ID #	COMMON NAME	SIZE	HEALTH	COMMENTS	RECOMMENDATION
40	Birch	not accessible	poor	beyond subject site	beyond subject site
41	Box Elder	not accessible	poor	beyond subject site	beyond subject site
101	Little Leaf Linden	25	good	FRUIT STATION LANDS Bark: growth from trunk and within crown, bulbous flare	beyond subject site
105	Colorado Blue Spruce	-30	good	FRUIT STATION LANDS Barked at base, branched nearly to grade, immediately beside transformer	beyond subject site
106	Colorado Blue Spruce	-40	good	FRUIT STATION LANDS Barked at base, branched to grade, immediately beside transformer	beyond subject site
111	Royal Red Norway Maple	12	good	FRUIT STATION LANDS Minor vertical wounds	beyond subject site
112	Royal Red Norway Maple	12	good	FRUIT STATION LANDS Minor vertical wounds	beyond subject site
113	Royal Red Norway Maple	14	good	FRUIT STATION LANDS	beyond subject site
116	Sugar Maple	14	good	FRUIT STATION LANDS	beyond subject site
117	White Spruce	-14	good	FRUIT STATION LANDS Branched to grade	beyond subject site
121	Sugar Maple	14	good	FRUIT STATION LANDS Branched to grade	beyond subject site
122	White Spruce	-13	good	FRUIT STATION LANDS Branched to grade, full form on slope	beyond subject site
123	White Spruce	-9	good	FRUIT STATION LANDS Branched to grade, sparse crown	beyond subject site
124	White Cedar	-20	good	FRUIT STATION LANDS Branched to grade	beyond subject site
127	Colorado Blue Spruce	-30	good	PRIVATE PROPERTY BEYOND SUBJECT SITE Branches extend over or wood fence	beyond subject site
128	Manitoba Maple	-15	good	PRIVATE PROPERTY BEYOND SUBJECT SITE Branches extend over or wood fence, multistem, growing through existing wood fence	beyond subject site
129	Manitoba Maple	-15	fair	PRIVATE PROPERTY BEYOND SUBJECT SITE Branches extend over or wood fence, multistem, growing through existing wood fence	beyond subject site



### RON KOUJDYS LANDSCAPE ARCHITECTS INC.

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

DATE	DESCRIPTION	No.
MAY 22 2020	ISSUED FOR SPA	5.
APR 3 2020	ISSUED FOR SPA	4.
MAR 26 2020	ISSUED FOR COORDINATION	3.
JULY 15 2019	ISSUED FOR CLIENT REVIEW	2.
MAY 31 2019	ISSUED FOR CLIENT REVIEW	1.

FLOTTING INFORMATION:  
PLOTTED DATE = MAY 22 2020  
PLOTTED SCALE = 1:1

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

DRAWING TITLE:  
**TREE PRESERVATION PLAN**

DATE: APRIL 2019 SCALE: AS NOTED DRAWING No. T-1  
DRAIN: RHLK CHECKED BY: RHLK  
PROJECT No. 18-125Ln