

TREE PRESERVATION PLAN 1:200

**LEGEND**

- PROPERTY LIMITS
- EXISTING TREES TO BE PRESERVED
- EXISTING TREES TO BE REMOVED
- #344 TREE IDENTIFICATION NUMBER
- TREE PRESERVATION FENCE. REFER TO DETAILS ON THIS PAGE
- PLANT MATERIAL TO BE REMOVED -- INDICATES THAT ANY AND ALL VEGETATION WITHIN THESE AREAS MAY BE REMOVED. THE REMOVAL OF VEGETATION FROM WITHIN THIS DESIGNATED AREA DOES NOT FALL WITHIN PRESERVATION REQUIREMENTS AND/OR GUIDELINES.
- X HAZARDOUS, SICK OR DEAD TREES LOCATED INSIDE THE PROPOSED TREE PRESERVATION ZONE. TO BE MANUALLY CUT FROM THE BASE / THE TREE STUMP IS NOT TO BE REMOVED.

- PROTECTION AREA IS INITIALLY IDENTIFIED IN THE FIELD BY A LICENSED ONTARIO SURVEYOR. THIS LINE APPROXIMATELY ESTABLISHES THE LIMITS OF TREE PRESERVATION SUBJECT TO AN ON-SITE MEETING WITH CITY OF BARRIE PARKS PLANNING & DEVELOPMENT STAFF AND THE LANDSCAPE ARCHITECT/ARBORIST.
  - THE LANDSCAPE ARCHITECT/ARBORIST AND THE CITY OF BARRIE PARKS PLANNING & DEVELOPMENT STAFF MEET TO REVIEW THE SURVEYED LINE PRIOR TO ANY TREE REMOVAL OCCURRING, AND TO ADJUST THE LINE WHERE APPROPRIATE TO REFLECT THE ACTUAL NATURE OF A TREADED AREA AS OPPOSED TO A STRAIGHT CUT LINE.
  - TREES THAT ARE SUSCEPTIBLE TO FALLING ONTO PRIVATE PROPERTY OR MUNICIPAL PROPERTY FROM WITHIN THE TREE PRESERVATION ZONE WILL BE IDENTIFIED FOR REMOVAL. REMOVAL WILL TAKE PLACE AS PRESCRIBED IN ITEM #6 BELOW.
  - ONCE THE SITE VISIT HAS CONCLUDED, THEN TREE PRESERVATION FENCING WILL BE ERECTED ALONG THE AGREED TREE PRESERVATION LINE.
  - FULL TREE REMOVAL OUTSIDE OF THE TREADED AREAS MAY OCCUR ONCE THE PRESERVATION FENCING HAS BEEN ERECTED, TREE REMOVAL PERMIT ISSUED, AND SIGNAGE POSTED A MINIMUM OF 7 DAYS PRIOR TO COMMENCING TREE REMOVAL ACTIVITIES ON SITE (AS PER BY-LAW 2014-115).
  - TREES ARE TO BE FELLED IN SUCH A MANNER AS TO NOT DISTURB VEGETATION TO REMAIN. NO MACHINERY OR EQUIPMENT SHALL BE OPERATED OR STORED WITHIN THE DRIPLINE OF PROTECTED TREES.
  - STUMP REMOVALS ARE TO BE IMPLEMENTED AS TO NOT TO DISTURB THE GROUND WITHIN THE TREE PRESERVATION ZONE.
  - ONCE TREE REMOVAL HAS OCCURRED, AND PRIOR TO THE ISSUANCE OF THE UNDERGROUND CERTIFICATE, A RE-INSPECTION OF THE TREE PRESERVATION AREAS MUST OCCUR WITH CITY OF BARRIE STAFF AND THE LANDSCAPE ARCHITECT/ARBORIST. ANY ADDITIONAL TREES TO BE REMOVED WILL BE NOTED BY THE CITY OF BARRIE PARKS PLANNING & DEVELOPMENT STAFF AND LANDSCAPE ARCHITECT/ARBORIST.
  - ALL TREES ON ADJACENT PRIVATE LAND SHALL RECEIVE DRIPLINE PROTECTION.
- TREE PRESERVATION PROCESS**

THE INTENT OF TREE PRESERVATION AND PROTECTION IS TO PROVIDE AN INVENTORY OF EXISTING TREES ON SITE. IT IS NOT A SURVEY AND THEREFORE THE EXACT LOCATION OF EXISTING TREES MUST BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS.

ALL TREES TO BE PRESERVED SHALL BE INDICATED AND MARKED AS SUCH ON SITE BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCING OF THE CLEARING AND GRUBBING CONTRACT.

AS PART OF THE CLEARING AND GRUBBING CONTRACTUAL WORK, TREES LOCATED AT THE EDGES OF ALL PRESERVATION AREAS REGARDLESS OF SIZE ARE TO BE PRUNED OF DEAD AND DISEASED LIMBS AND INDIVIDUAL SPECIMENS AND ARE TO BE REMOVED IN ACCORDANCE WITH ACCEPTED HORTICULTURAL PRACTICES AND TO THE SATISFACTION OF THE CITY OF BARRIE UNDER THE DIRECT SUPERVISION OF THE LANDSCAPE ARCHITECT.

IN THE EVENT THAT A TREE THAT HAS BEEN DESIGNATED FOR PRESERVATION IS DAMAGED OR REMOVED WITHOUT PRIOR WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT AND CITY OF BARRIE, THE LAND OWNER SHALL BE RESPONSIBLE FOR THE REMOVAL AND OR DAMAGE AS OUTLINED IN BYLAW 2005-120, SECTION 15.

**SPECIFICATIONS FOR PRESERVATION & PROTECTION**

PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS, ALL TREES OR BLOCKS OF TREES THAT HAVE BEEN DESIGNATED FOR PRESERVATION, AS INDICATED ON THE ACCOMPANYING PLAN SHALL BE FULLY PROTECTED BY THE ERECTION OF HOARDING OUTSIDE OF OR AT THE DRIPLINE (SEE DETAIL D5).

EQUIPMENT OR VEHICLES SHALL NOT BE PARKED, REPAIRED OR REFUELED WITHIN TREE PROTECTION ZONE, CONSTRUCTION MATERIALS SHALL NOT BE STORED AND EARTH MATERIALS SHALL NOT BE STOCKPILED WITHIN THE DRIPLINE AREA OF ANY TREE NOT DESIGNATED FOR REMOVAL.

ANY TREES NOT DESIGNATED FOR REMOVAL SHALL NOT HAVE RIGGING CABLES ATTACHED OR WRAPPED AROUND THEM. NOR SHALL ANY CONTAMINANTS BE DUMPED WITHIN THE PROTECTIVE AREAS. FURTHER, NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE THEY MAY COME INTO CONTACT WITH THE FEEDER ROOTS OF THE TREES TO BE PRESERVED.

THE CONTRACTOR OR LAND OWNER SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO TREES OR SHRUBS THAT ARE NOT DESIGNATED FOR REMOVAL AS PER THE ACCOMPANYING PLAN.

UNLESS THE CONTRACT WORK SPECIFICALLY REQUIRES WORK WITHIN THE DRIPLINE OF TREES NOT DESIGNATED FOR REMOVAL, EQUIPMENT SHALL NOT BE OPERATED WITHIN THAT DRIPLINE AREA. WHEN CONTRACT WORK MUST BE COMPLETED WITHIN THE DRIPLINE OF TREES NOT DESIGNATED FOR REMOVAL, OPERATION OF EQUIPMENT WITHIN THAT DRIPLINE SHALL BE KEPT TO THE MINIMUM AMOUNT REQUIRED TO COMPLETE THE WORKS. PRIOR TO THE COMMENCEMENT OF SUCH WORKS THE LANDSCAPE ARCHITECT AND CITY OF BARRIE MUST BE GIVEN WRITTEN NOTIFICATION AND WILL SUBSEQUENTLY BE REQUIRED TO INSPECT SAID WORKS.

THE CONTRACTOR'S OPERATION SHALL IN NO WAY CAUSE DAMAGE TO THE TRUNK OR BRANCHES OF TREES NOT DESIGNATED FOR REMOVAL.

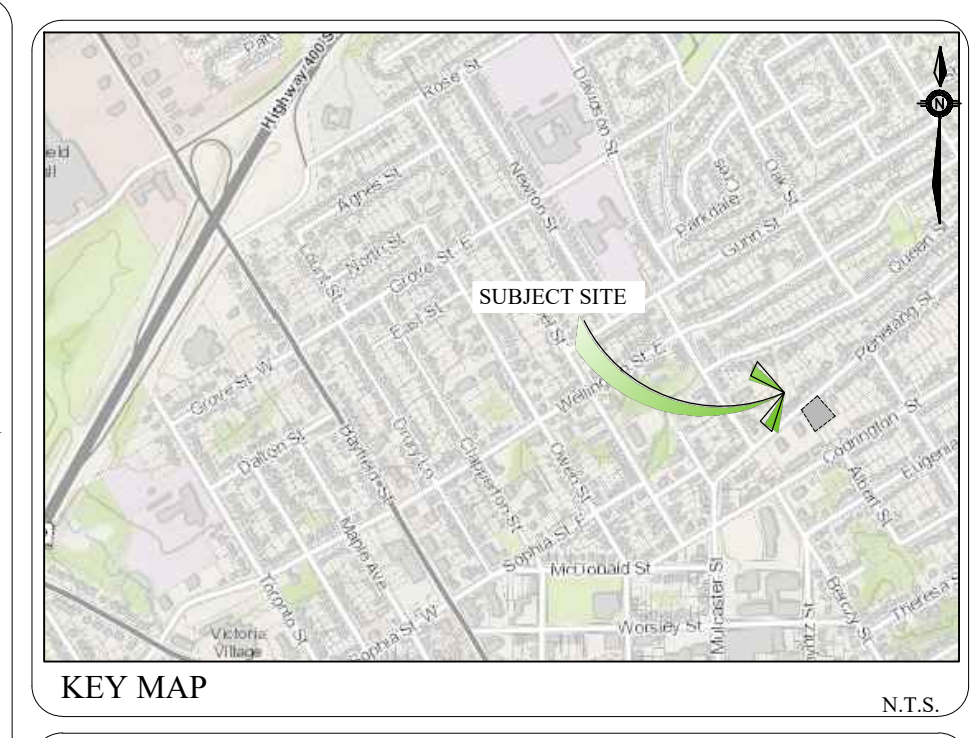
THE CONTRACTOR'S OPERATION SHALL NOT CAUSE FLOODING OR SEDIMENT DEPOSITS IN AREAS WHERE TREES ARE NOT DESIGNATED FOR REMOVAL.

IN THE EVENT THAT IT IS NECESSARY TO REMOVE LIMBS OR PORTIONS OF TREES NOT DESIGNATED FOR REMOVAL, WRITTEN APPROVAL AND DIRECTION MUST BE GIVEN BY THE LANDSCAPE ARCHITECT AND CITY OF BARRIE PRIOR TO ANY WORKS. THE REMOVALS MUST BE EXECUTED CAREFULLY AND IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICES AND TECHNIQUES.

IN THE EVENT THAT GRADES AROUND A TREE DESIGNATED FOR PRESERVATION ARE TO BE CHANGED, THE DEVELOPER, AGENT OR LAND OWNER SHALL BE REQUIRED TO TAKE PRECAUTIONS TO PRESERVE THE TREE, SUCH AS DRY WELLING AND ROOT FEEDING. THE PROTECTION MEASURES MUST BE DONE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND CITY OF BARRIE.

THE DEVELOPER SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND/OR REMOVAL OF DEAD, DYING, DISEASED TREES WITHIN THE LIMIT OF THIS PLAN UNTIL END OF GENERAL MAINTENANCE.

**NOTES FOR TREE PRESERVATION AND PROTECTION**



KEY MAP N.T.S.

**GENERAL NOTES**

CONTRACTOR IS RESPONSIBLE FOR ALL LOCATES INCLUDING ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION OR INSTALLATIONS. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.

ANY ACCOMPANYING DOCUMENTATION RELATING TO THE LANDSCAPE PLAN AND/OR PRESERVATION PLAN SUCH AS TENDER DOCUMENTS AND CHANGE NOTICES ARE TO BE ENDORSED BY JOHN D. BELL ASSOCIATES LIMITED PRIOR TO THE BEGINNING OF ANY SITE WORKS. IN THE EVENT THAT A DISCREPANCY THE DRAWING SHALL BE ASSUMED CORRECT.

IT IS THE RESPONSIBILITY OF THE PERSON OR PERSONS RESPONSIBLE FOR THE CONSTRUCTED WORKS TO NOTIFY THE LANDSCAPE ARCHITECT WHEN PREPARED FOR ANY REQUIRED INSPECTIONS AND SIGN OFFS.

SCHEDULED MEETINGS SHALL TAKE PLACE AT THE CLOSEST MUTUALLY CONVENIENT TIME.

No.	REVISION	DATE	APRVD.
1.	CLIENT REVIEW	NOV 15 2017	KS
2.	SITE PLAN APPROVAL SUBMISSION	MAR 13 2018	KS
3.	AS PER REVISED SITE PLAN	SEPT 10 2018	ST
4.	AS PER REVISED SITE PLAN	OCT 30 2018	MC
5.	AS PER REVISED SITE PLAN	MAR 19 2019	MC
6.	AS PER REVISED SITE PLAN	MAY 2, 2019	MC
7.	SUBMISSION TO THE CITY OF BARRIE	SEPT 3, 2019	MC
8.	SECOND SUBMISSION TO THE CITY OF BARRIE	NOV 22, 2019	MC

BASE INFORMATION PROVIDED BY: Loran Land Surveying Inc. 40 King Street East, Unit 204, Sarnia, ON, Phone: 519-662-8809

BASE PLAN REVISED: November 2017

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IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS ON THE SITE AND REPORT ANY DISCREPANCIES OR VARIATIONS FROM THE SCALED INFORMATION TO THE LANDSCAPE ARCHITECT WITH THE PROJECT. JOHN D. BELL ASSOCIATES LIMITED IS NOT RESPONSIBLE FOR THE ACCURACY OF SURVEY, ARCHITECTURAL, MECHANICAL, ELECTRICAL OR ELECTRICAL INFORMATION SHOWN ON THE DRAWING. FOR FURTHER INFORMATION REFER TO APPROPRIATE SURVEY, ARCHITECTURAL, MECHANICAL, ENGINEERING OR ELECTRICAL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORKS.

THIS DRAWING IS NOT TO BE SCALED. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS IT HAS BEEN SIGNED AND DATED BY THE LANDSCAPE ARCHITECT.

FOR SITE PLAN APPROVAL ONLY (NOT FOR CONSTRUCTION)

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

DATE \_\_\_\_\_  
PRINT NAME \_\_\_\_\_  
SIGNED OWNER/CLIENT \_\_\_\_\_

CITY OF BARRIE

**ACCEPTED**

DATE \_\_\_\_\_  
PRINT NAME \_\_\_\_\_  
SIGNED \_\_\_\_\_

LANDSCAPE ARCHITECTS STAMP  
STAMP AND SIGNATURE VOID IF REPRODUCED

**JOHN D. BELL ASSOCIATES LTD.**

Urban Designers  
Landscape Architects  
Site Planners

274 Burton Ave., Suite 1201  
Barrie, Ontario  
L4N 5W4

Fax: 705-722-5660  
Tel: 705-722-6278

45-51 PENETANG STREET  
BARRIE, ONTARIO

**TREE PRESERVATION PLAN**

SCALE:	DATE:	DESIGNED BY:	REVIEWED BY:
1:200	NOV. 5, 2017	MC	JDB
CITY FILE No. D28-017-2017	OUR FILE REF. # 1157A-17	DRAWN BY: MC	TP-2

Tree #	Botanical Name	Landscape Value	Maturity	Sensitivity to changes	Proximity to development	Preserv. Value	Preserv. level	Recommendation
1	<i>Juglans nigra</i>	Medium	Mature	Intermediate	on site	high	1	Remove
2 (Hedgerow)	<i>Acer saccharum</i>	High	Immature	Very Sensitive	along property line	low	3	Remove
	<i>Acer negundo</i>	Low	Immature	Tolerant	along property line	low	3	Remove
3	<i>Thuja occidentalis</i>	Low	Mature	Tolerant	0.55m to PL	low	3	Remove
4	<i>Acer saccharum</i>	Low	Mature	Very Sensitive	0.15m to PL	low	3	Remove
5	<i>Acer saccharum</i>	Medium	Immature	Very Sensitive	0.45m to PL	low	2	Remove
6	<i>Acer saccharum</i>	Medium	Immature	Very Sensitive	on site	low	2	Preserve
7	<i>Tilia americana</i>	Poor	Mature	Very Sensitive	0.5m on adjacent site	low	3	Preserve
8	<i>Acer saccharum</i>	Low	Mature	Very Sensitive	0.2m to PL	high	1	Preserve
9	<i>Tilia americana</i>	Low	Mature	Very Sensitive	0.35m to PL	high	1	Preserve
10	<i>Acer saccharum</i>	Low	Immature	Very Sensitive	0.35m to PL	high	1	Preserve
11	<i>Tilia americana</i>	Low	Mature	Very Sensitive	0.4m on adjacent site	low	3	Preserve
12	<i>Fraxinus americana</i>	Low	Mature	Intermediate	along property line	low	3	Remove 1
13	<i>Tilia americana</i>	Low	Mature	Very Sensitive	0.45m on adjacent site	low	3	Preserve
14	<i>Acer negundo</i>	Low	Mature	Tolerant	0.5m to PL	low	3	Preserve
15	<i>Acer saccharum</i>	High	Mature	Very Sensitive	0.65m to PL	medium	2	Remove
16	<i>Acer saccharum</i>	High	Mature	Very Sensitive	0.5m to PL	medium	2	Remove
17	<i>Acer saccharum</i>	High	Mature	Very Sensitive	0.45m to PL	medium	2	Remove
18	<i>Fraxinus americana</i>	Low	Immature	Intermediate	0.15m to PL	low	3	Remove
19	<i>Acer saccharum</i>	Medium	Immature	Very Sensitive	0.8m to PL	medium	2	Preserve

1. THIS TREE IS RECOMMENDED TO BE REMOVED AS IT IS AN ASH AND AT RISK DUE TO THE EMERALD ASH BORER. THE TREES ARE SHARED TREES AND EXIST DIRECTLY ON THE PROPERTY LINE. TO PERFORM DUE DILIGENCE, WE ARE REQUESTING THAT THESE BE REMOVED BUT REMOVAL IS CONTINGENT ON THE ADJACENT OWNERS ACCEPTANCE. IF ACCEPTANCE FOR REMOVAL IS NOT PROVIDED HOWEVER, THE TREE WILL BE PRESERVED.

**TREE PRESERVATION LIST**

**NOTICE OF TREE REMOVALS**

ALL VEGETATION REMOVAL WORK SHALL OCCUR IN ACCORDANCE WITH BY-LAW 2014-115

OWNER: (name of company or land owner)  
REMOVALS COMPLETED BY: (individual or company retained)

FOR FURTHER INFORMATION PLEASE CONTACT: (name of company or representative)  
(address line 1)  
(address line 2)  
(contact telephone number)

CONTACT INFORMATION TO CONTAIN THE ADDRESS AND TELEPHONE NUMBER OF A PERSON ACTING ON BEHALF OF THE COMPANY / LAND OWNER FOR WHOM FURTHER INFORMATION ON THE PROPOSED VEGETATION REMOVAL MAY BE OBTAINED

1. NOTICE TO BE POSTED IN A VISIBLE LOCATION (7) SEVEN CALENDAR DAYS PRIOR TO INJURING OR DESTROYING VEGETATION.  
2. NOTICE MUST BE PLACED IN A CONSPICUOUS PLACE ON THE PRIVATE LAND THAT IS ADJACENT TO A PUBLIC ROAD. AN ADDITIONAL SIGN IS REQUIRED FOR EACH PUBLIC ROAD FRONTAGE.  
3. SIGNAGE MUST REMAIN IN PLACE FOR A PERIOD OF NO LESS THAN (2) TWO MONTHS FOLLOWING THE COMPLETION OF VEGETATION REMOVALS FROM THE SUBJECT SITE.  
4. ALL DIMENSIONS ARE IN MILLIMETRES.

REV. NO. 1 DATE: JUNE 2015 SCALE: N.T.S. APPROVED: June 11, 2015  
BSD-1230

**TREE PRESERVATION AREA**

NO UNAUTHORIZED TREE CUTTING, REMOVALS, OR DISTURBANCE IS PERMITTED IN THIS AREA

1. SIGNS MUST BE FABRICATED FROM WEATHER RESISTANT MATERIAL.  
2. SIGNS ARE TO BE SECURELY FASTENED AND PLACED IN 50 METER INTERVALS ALONG ALL TREE PRESERVATION FENCING.  
3. SIGNS MUST REMAIN POSTED FOR THE DURATION OF THE PROJECT OR UNTIL APPROVAL TO REMOVE PRESERVATION FENCING IS PROVIDED BY THE MUNICIPALITY.  
4. ALL DIMENSIONS ARE IN MILLIMETRES.  
5. THIS DETAIL IS TO BE USED IN CONJUNCTION WITH BSD-1230 AND BSD-1232.

REV. NO. 1 DATE: JUNE 2015 SCALE: N.T.S. APPROVED: June 11, 2015  
BSD-1231

The City of BARRIE STANDARD DETAIL

TREE REMOVAL NOTIFICATION TEMPLATE

REV. NO. 1 DATE: JUNE 2015 SCALE: N.T.S. APPROVED: June 11, 2015  
BSD-1230

The City of BARRIE STANDARD DETAIL

TREE PRESERVATION AREA TEMPLATE

REV. NO. 1 DATE: JUNE 2015 SCALE: N.T.S. APPROVED: June 11, 2015  
BSD-1231