

1. THE DRIP LINE IS MEASURED FROM THE OUTER MOST LIMIT OF BRANCHING WITHIN THE CROWN OF THE TREE. THE FURTHEST DISTANCE SHALL APPLY TO THE ENTIRE PERIMETER OF THE CROWN.

2. WHEN CONSTRUCTION AND/OR REMOVALS ARE LIMITED TO ONE SIDE OF A TREE AND/OR GROUP OF TREES THE LIMIT OF PRESERVATION SHALL BE DETERMINED BY THE DRIP LINE. IN THE EVENT THAT INDIVIDUAL TREES ARE BEING PRESERVED WHERE MORE THAN 10% OF THE ROOT ZONE WILL BE DISTURBED THE LIMIT OF PRESERVATION SHALL BE 1.5 TO 2 TIMES THE LIMIT OF CANOPY OR AS DIRECTED BY THE CITY OF BARRIE.

3. PRESERVATION FENCING TO BE INSTALLED AS PER BSD-1232, THE APPLICATION OF FILTER FABRIC IS ONLY REQUIRED WHEN FENCING DOUBLES AS SILTATION CONTROL AS PER BSD-1233.

4. NOTICE OF REMOVAL SIGNAGE IS TO BE PLACED AT 50m INTERVALS AS PER BSD-1230.

5. THERE IS TO BE NO GRADING, CONSTRUCTION OF SWALES, CATCH BASINS OR OTHER DRAINAGE CONTROLS PLACED WITHIN THE LIMIT OF PRESERVATION.

6. WITHIN THE DEFINED LIMIT OF PRESERVATION THERE WILL BE:

- NO CHANGE OF ALTERATION TO EXISTING GRADES
- NO TRENCHING
- NO REMOVAL OF UNDER STORY VEGETATION
- NO ADDITION OF FILL OF EXCAVATIONS
- NO STORAGE OF MATERIALS OR EQUIPMENT
- NO DISPOSAL OF ANY LIQUIDS (i.e. GAS, PAINT, OIL)
- NO INTRUSION BY VEHICLES OR EQUIPMENT
- NO INTRUSION BY PEDESTRIANS
- NO MANHOLES OR OTHER INFRASTRUCTURE INCLUDING UTILITIES.

7. THE LOCATION OF THE PROPERTY LIMIT IS NOT SHOWN IN THIS DETAIL AS IT IS NOT RELEVANT TO THE ESTABLISHMENT OF PRESERVATION LIMITS OR ASSOCIATED SETBACK REQUIREMENTS.

**The City of BARRIE**  
STANDARD DETAIL

**LIMIT OF TREE PRESERVATION FOR DEVELOPMENT APPROVALS**

REV No. 1 DATE: JUNE 2015 SCALE: N.T.S. APPROVED DATE: June 11, 2015 BY: JMU... DIRECTOR OF ENGINEERING  
FORMERLY BSD-21A

1. THIS DETAIL IS USED IN CONJUNCTION WITH BSD-1233 - SEDIMENTATION CONTROL FENCE.

2. PAGE WIRE FENCE TO BE ATTACHED TO CEDAR RAIL POSTS WITH U SHAPED GALVANIZED NAILS ON EACH HORIZONTAL STRAND.

3. USE A MINIMUM OF FOUR (4) 100MM, 16 GAUGE GALVANIZED T-POST CLIPS TO ATTACH PAGE WIRE FENCE TO EACH T-BAR POST.

4. T-BARS ARE TO BE DRIVEN INTO THE GROUND TO A MINIMUM DEPTH OF 600mm.

5. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

6. THIS DETAIL TO BE USED IN CONJUNCTION WITH BSD-1230, BSD-1231, BSD-1234 AND BSD-1235.

**The City of BARRIE**  
STANDARD DETAIL

**TREE PRESERVATION FENCING**

REV No. 1 DATE: JUNE 2015 SCALE: N.T.S. APPROVED DATE: June 11, 2015 BY: JMU... DIRECTOR OF ENGINEERING

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 DRIP LINE (SEE DETAIL D2).

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 DRIP LINE 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 DRIP LINE OF TREES NOT DESIGNATED FOR REMOVAL, EQUIPMENT SHALL NOT BE OPERATED WITHIN THAT DRIP LINE AREA. WHEN CONTRACT WORK MUST BE COMPLETED WITHIN THE DRIP LINE OF TREES NOT DESIGNATED FOR REMOVAL, OPERATION OF EQUIPMENT WITHIN THAT DRIP LINE 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**



**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 OF A DISCREPANCY THE DRAWING SHALL BE ASSUMED CORRECT.

IT IS THE RESPONSIBILITY OF THE PERSON OR PERSONS RESPONSIBLE FOR THE CONSTRUCTED WORKS TO NOTIFY JOHN D. BELL ASSOCIATES 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	Dec. 12, 2019	ST
2.	SUBMITTED TO THE CITY OF BARRIE	Feb. 25, 2020	ST
3.	AS PER CITY OF BARRIE COMMENTS	June 15, 2020	ST
4.	AS PER CITY OF BARRIE COMMENTS	November 25, 2020	ST

BASE INFORMATION PROVIDED BY: J.D.BARNES Ltd. 565 Bayne Dr., Barrie, ON January 2018

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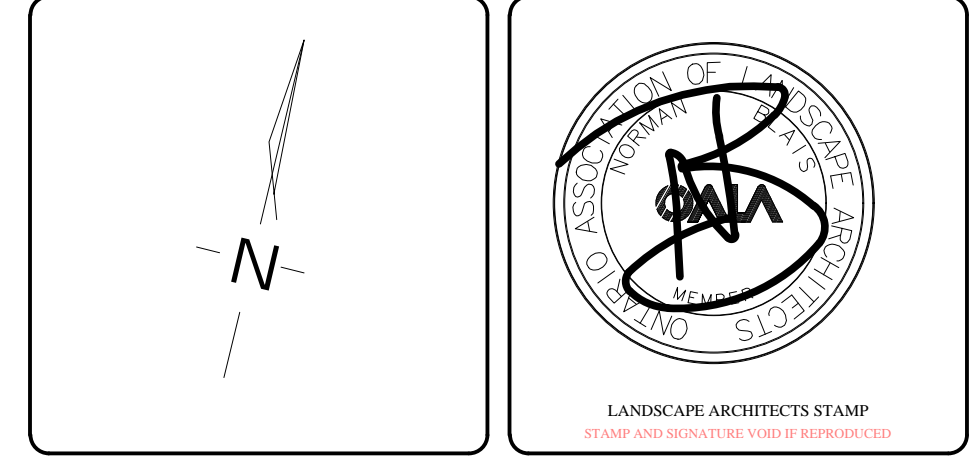
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS ON THE SITE AND REPORT ANY DISCREPANCIES OR VARIATIONS FROM THE SUPPLIED INFORMATION TO THE LANDSCAPE ARCHITECT WITH THE PROJECT. JOHN D. BELL ASSOCIATES LIMITED IS NOT RESPONSIBLE FOR THE ACCURACY OF SURVEY, ARCHITECTURAL, MECHANICAL,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

THIS DRAWING IS NOT TO BE SCALED.

DATE: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGNED OWNER/CLIENT: \_\_\_\_\_



**JDB ASSOCIATES LTD.**  
Urban Designers  
Landscape Architects  
Arborists  
274 Burton Ave., Suite 1201  
Barrie, Ontario  
L4N 5W4  
Fax: 705-722-5660  
Tel: 705-722-6278

440 VETERANS DRIVE,  
BARRIE, ONTARIO

**TREE PRESERVATION DETAILS**

SCALE:	DATE:	DESIGNED BY:	REVIEWED BY:
N.T.S.	January 29, 2018	ST	NB
CITY FILE No.	OUR FILE REF. #	DRAWN BY:	
	1162A-18	ST	TP-2

- 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 TREAED 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 TREAED 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**

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.

**The City of BARRIE**  
STANDARD DETAIL

**TREE PRESERVATION AREA TEMPLATE**

REV No. 1 DATE: JUNE 2015 SCALE: N.T.S. APPROVED DATE: June 11, 2015 BY: JMU... DIRECTOR OF ENGINEERING  
BSD-1231

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.

**The City of BARRIE**  
STANDARD DETAIL

**TREE REMOVAL NOTIFICATION TEMPLATE**

REV No. 1 DATE: JUNE 2015 SCALE: N.T.S. APPROVED DATE: June 11, 2015 BY: JMU... DIRECTOR OF ENGINEERING  
BSD-1230