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URBAN FORESTRY & FOREST MANAGEMENT CONSULTING

June 15, 2021

Kamyar Abbasi, OALA, CSLA
Senior Landscape Architect
Fotenn
396 Cooper Street, Suite 300
Ottawa, ON
K2P 2H7

RE: TREE CONSERVATION REPORT FOR 155 IBER ROAD, OTTAWA

This report details a pre-construction tree conservation report (TCR) for the above-noted property in Ottawa. The need for this TCR is related to the proposed construction of a stand-alone single storey warehouse and associated loading zone at the rear of the property. A realigned entranceway into the property, relocated parking spaces and the addition of bicycle parking are also proposed.

Tree conservation reports are required for all properties subject to site plan control applications on which trees of 10 centimetres in diameter or greater are present. The approval of this TCR by the City of Ottawa and the issuing of a permit by them authorize the removal of any approved trees. **Importantly, although this report may be used to support the application for a City tree removal permit, it does not by itself constitute permission to remove trees or begin site clearing activities. No such work should occur before a tree removal permit is issued by the City of Ottawa.**

The inventory in this report details the assessment of all twenty four individual trees and one treed grouping found on the subject property and adjacent private property. No trees on nearby city owned land were observed. Seven of the trees on the subject property conflict with the proposed construction and so all are slated for removal. The remaining trees will be preserved. Field work for this report was completed in May 2021.

TREE SPECIES, CONDITION, SIZE AND STATUS

Table 1 on pages 2, 3 and 4 details the species, condition, size (diameter), ownership and status of the individual trees on and adjacent to the subject property. Each of these trees are referenced by the numbers plotted on the accompanying tree conservation plan.

Table 1. Species, condition, size (diameter) and status of trees at 155 Iber Road

Tree No.	Tree species	Condition (VP→E)	DBH[1] (cm)	Owner-ship	Age class, tree condition notes & **preservation status** (to be removed or preserved and protected)
1	Colorado spruce *(Picea pungens)*	Good	15.2	Neigh-bour	Maturing; very good crown density, growth increment and needle colour; lower branches broken by snow piling; introduced species; **to be preserved and protected**
2	Little-leaf linden *(Tilia cordata)*	Fair	20.6	Neigh-bour	Maturing; central dominant main stem for entire height; heavy basal sprouting; introduced species; **to be preserved and protected**
3	Norway maple *(Acer platanoides)*	Good	26.3	Neigh-bour	Mature; central dominant main stem with suppressed laterals starting at 1.5m from grade; broad dense crown; introduced invasive species; **to be preserved and protected**
4	Norway maple	Poor	24.2	Neigh-bour	Mature; central stem with dominant lateral at 2m on northwest; eutypella canker *(Eutypella parasitica)* at 0.1-1m on west side of main stem; **to be preserved and protected**
5	Norway maple	Good	27.5	Neigh-bour	Mature; central main stem with suppressed laterals starting at 1.5m from grade; broad dense crown; spiral seam at 01.-1.4m on south side of main stem has healed; **to be preserved and protected**
6	Norway maple	Good	28.2	Neigh-bour	Mature; central main stem with suppressed laterals starting at 1.5m from grade; broad dense crown; lower lateral on north side broken by snow plow; **to be preserved and protected**
7	Colorado spruce	Good	23.2	Private	Mature; good crown density, growth increment and needle colour; restricted rooting area close to side of building; **to be removed** (conflicts with proposed new parking)

Table 1. Con't

8	Colorado spruce	Good	24.1	Private	Mature; good crown density, growth increment and needle colour; restricted rooting area close to side of building; **to be removed** (conflicts with proposed new parking)
9	Colorado spruce	Good	29.3	Private	Mature; good crown density, growth increment and needle colour; moderately restricted rooting area close to corner of building; **to be removed** (conflicts with proposed new parking)
10	Colorado spruce	Good	27.7	Private	Mature; good crown density, growth increment and needle colour; restricted rooting area close to building – has been clearance pruned in past; **to be removed** (will not survive root loss associated with installation of new curb and concrete pad for bicycle parking)
11	Amur maple *(Acer tataricum* subsp. *ginnala)*	Poor	15.3	Private	Mature; 'standard' variety; crown form very divergent towards north due to influence of trees #12 and 13; suppressed growth; introduced invasive species**; to be removed** (conflicts with proposed new entranceway)
12	Amur maple	Fair	17.6	Private	Mature; 'standard' variety; crown form divergent towards southwest due to influence of trees #11 and 13; **to be removed** (conflicts with proposed new entranceway)
13	Amur maple	Good	20.2	Private	Mature; 'standard' variety; crown form divergent towards east due to influence of trees #11 and 12; **to be removed** (misshapen form and having a negative influence on nearby trees)
14	Colorado spruce	Good	26.7	Private	Mature; good crown density, growth increment and needle colour; lower crown asymmetric due to intercompetition with trees #15 and 16; **to be preserved and protected**

Table 1. Con't

15	Colorado spruce	Good	24.9	Private	Mature; good crown density, growth increment and needle colour; lower crown asymmetric due to intercompetition with trees #14 and 16; **to be preserved and protected**
16	Colorado spruce	Good	25.2	Private	Mature; good crown density, growth increment and needle colour; lower crown asymmetric due to intercompetition with trees #14 and 15; **to be preserved and protected**
17	Colorado spruce	Very good	31.3	Neigh-bour	Mature; very good crown density, growth increment and needle colour; **to be preserved and protected**
18	Colorado spruce	Good	23.8	Private	Mature; good crown density, growth increment and needle colour; lower crown asymmetric due to intercompetition with trees #19 and 20; **to be preserved and protected**
19	Colorado spruce	Good	25.1	Private	Mature; good crown density, growth increment and needle colour; lower crown thin due to combined influence (shading) of trees #18, 20, 21 and 22; **to be preserved and protected**
20	Colorado spruce	Good	23.9	Private	Mature; good crown density, growth increment and needle colour; lower crown thin due to combined influence of trees #18, 19 and 21; **to be preserved and protected**
21	Amur maple	Good	27.3	Private	Mature; 'standard' variety; generally upright form; crown asymmetric towards east; **to be preserved and protected**
22	Amur maple	Fair	23.1	Private	Mature; 'standard' variety; crown divergent towards north; **to be preserved and protected**
23	Amur maple	Fair	22.1	Private	Mature; 'standard' variety; crown divergent towards north; **to be preserved and protected**
24	Colorado spruce	Very good	31.3	Private	Mature; very good crown density, growth increment and needle colour; **to be preserved and protected**

Table 1. Con't

25	Trembling aspen *(Populus tremuloides)*	Fair	16.7, 21.1 & 21.2	Private	Maturing; group of three trees; 21.2cm stem with oozing wounds 2-4m from grade on north side; native species; **to be preserved and protected**

[1] diameter at breast height, or 1.4m from grade (unless otherwise indicated); average diameters indicate multi-stemmed trees

Pictures 1 through 6 on pages 6 to 9 of this report show the trees on and adjacent to the subject property.

FEDERAL AND PROVINCIAL REGULATIONS

Federal and provincial regulations can be applicable to trees on private and public property. In particular, the following regulation has been considered for this property:

1) Endangered Species Act (2007): No butternuts *(Juglans cinerea)* were identified on the subject or adjacent properties. This species of tree is listed as threatened under the Province of Ontario's Endangered Species Act (2007) and so is protected from harm.

2) Migratory Bird Convention Act (1994): In the period between April and August of each year nest surveys are required to be performed by a suitably trained person no more than five (5) days before trees or other similar nesting habitat are to be removed.

TREE PRESERVATION AND PROTECTION MEASURES

Preservation and protection measures intended to mitigate damage during construction will be applied for the trees to be retained on and adjacent to the subject property. The following measures are the minimum required by the City of Ottawa to ensure tree survival during and following construction:

1. As per the City of Ottawa's tree protection barrier specification, erect a fence as close as possible to the CRZ[1] of the tree(s);
2. Do not place any material or equipment within the CRZ of the tree(s);
3. Do not attach any signs, notices or posters to any tree;
4. Do not raise or lower the existing grade within the CRZ without approval;
5. Tunnel or bore instead of trenching within the CRZ of any tree;
6. Do not damage the root system, trunk or branches of any tree;
7. Ensure that exhaust fumes from all equipment are NOT directed towards any tree's canopy.

[1] critical root zone (CRZ) is established as being 10 centimetres from the trunk of a tree for every centimetre of DBH. The CRZ is calculated as DBH x 10 cm.

This report is subject to the attached Limitations of Tree Assessments and Liability to which the reader's attention is directed.

Please do not hesitate to contact the undersigned with any questions concerning this report.

Yours,

REGISTERED PROFESSIONAL FORESTER
1828
ANDREW K. BOYD
ONTARIO

Andrew K. Boyd, B.Sc.F, R.P.F. (#1828)
Certified Arborist #ON-0496A and TRAQualified
Consulting Urban Forester

Picture 1. Neighbouring trees #2-6 located adjacent to 155 Iber Road

Picture 2. Trees #7-10 located at 155 Iber Road

Picture 3. Trees #11-16 located at 155 Iber Road

Picture 4. Trees #18-23 (right to left) located at 155 Iber Road (cedars on left are foundation plantings below 10cm)

Picture 5. Trees #17-24 (left to right) located on and adjacent to 155 Iber Road

Picture 6. Tree grouping #25 located at 155 Iber Road

LIMITATIONS OF TREE ASSESSMENTS & LIABILITY

GENERAL

It is the policy of *IFS Associates Inc.* to attach the following clause regarding limitations. We do this to ensure that our clients are clearly aware of what is technically and professionally realistic in assessing trees for retention.

This report was carried out by *IFS Associates Inc.* at the request of the client. The information, interpretation and analysis expressed in this report are for the sole benefit and exclusive use of the client. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the client to whom it is addressed. Unless otherwise required by law, neither all or any part of the contents of this report, nor copy thereof, shall be conveyed by anyone, including the client, to the public through public relations, news or other media, without the prior expressly written consent of the author, and especially as to value conclusions, identity of the author, or any reference to any professional society or institute or to any initialed designation conferred upon the author as stated in his qualifications.

This report and any values expressed herein represent the opinion of the author; his fee is in no way contingent upon the reporting of a specified value, a stipulated result, nor upon any finding to be reported.

Details obtained from photographs, sketches, *etc.*, are intended as visual aids and are not to scale. They should not be construed as engineering reports or surveys. Although every effort has been made to ensure that this assessment is reasonably accurate, the tree(s) should be reassessed at least annually. The assessment presented in this report is valid at the time of the inspection only. The loss or alteration of any part of this report invalidates the entire report.

LIMITATIONS

The information contained in this report covers only the tree(s) in question and no others. It reflects the condition of the assessed tree(s) at the time of inspection and was limited to a visual examination of the accessible portions only. *IFS Associates Inc.* has prepared this report in a manner consistent with that level of care and skill ordinarily exercised by members of the forestry and arboricultural professions, subject to the time limits and physical constraints applicable to this report. The assessment of the tree(s) presented in this report has been made using accepted arboricultural techniques. These include a visual examination of the above-ground portions of each tree for structural defects, scars, cracks, cavities, external indications of decay such as fungal fruiting bodies, evidence of insect infestations, discoloured foliage, the condition of any visible root structures, the degree and direction of lean (if any), the general condition of the tree(s) and the surrounding site, and the proximity of people and property. Except where specifically noted in the report, the tree(s) examined were not dissected, cored, probed or climbed to gain further evidence of their structural condition. Also, unless otherwise noted, no detailed root collar examinations involving excavation were undertaken.

While reasonable efforts have been made to ensure that the tree(s) proposed for retention are healthy, no warranty or guarantee, expressed or implied, are offered that these trees, or any parts of them, will remain standing. This includes other trees on or off the property not examined as part of this assignment. It is both professionally and practically impossible to predict with

absolute certainty the behaviour of any single tree or groups of trees or their component parts in all circumstances, especially when within construction zones. Inevitably, a standing tree will always pose some risk. Most trees have the potential for failure in the event of root loss due to excavation and other construction-related impacts. This risk can only be eliminated through full tree removal (which is recommended in this case).
Notwithstanding the recommendations and conclusions made in this report, it must be realized that trees are living organisms, and their health and vigour constantly change over time. They are not immune to changes in site conditions, or seasonal variations in the weather. It is a condition of this report that *IFS Associates Inc.* be notified of any changes in tree condition and be provided an opportunity to review or revise the recommendations within this report. Recognition of changes to a tree's condition requires expertise and extensive experience. It is recommended that *IFS Associates Inc.* be employed to re-inspect the tree(s) with sufficient frequency to detect if conditions have changed significantly.

ASSUMPTIONS

Statements made to *IFS Associates Inc.* in regards to the condition, history and location of the tree(s) are assumed to be correct. Unless indicated otherwise, all trees under investigation in this report are assumed to be on the client's property. A recent survey prepared by a Licensed Ontario Land Surveyor showing all relevant trees, both on and adjacent to the subject property, will be provided prior to the start of field work. The final version of the grading plan for the project will be provided prior to completion of the report. Any further changes to this plan invalidate the report on which it is based. *IFS Associates Inc.* must be provided the opportunity to revise the report in relation to any significant changes to the grading plan. The procurement of said survey and grading plan, and the costs associated with them both, are the responsibility of the client, not *IFS Associates Inc.*

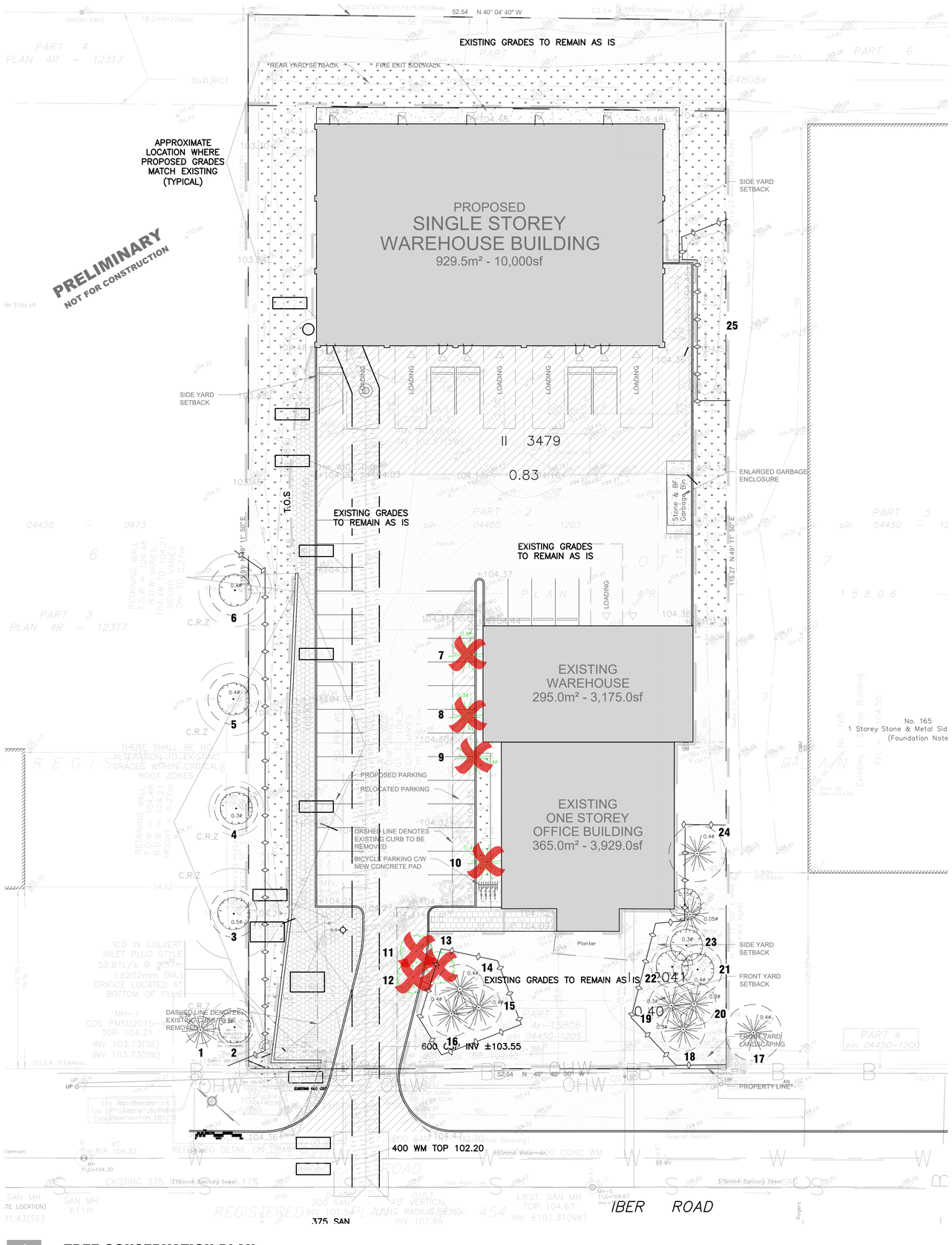
LIABILITY

Without limiting the foregoing, no liability is assumed by *IFS Associates Inc.* for:
1) any legal description provided with respect to the property;
2) issues of title and/or ownership with respect to the property;
3) the accuracy of the property line locations or boundaries with respect to the property;
4) the accuracy of any other information provided by the client of third parties;
5) any consequential loss, injury or damages suffered by the client or any third parties, including but not limited to replacement costs, loss of use, earnings and business interruption; and,
6) the unauthorized distribution of the report.

Further, under no circumstances may any claims be initiated or commenced by the client against *IFS Associates Inc.* or any of its directors, officers, employees, contractors, agents or assessors, in contract or in tort, more than 12 months after the date of this report.

ONGOING SERVICES

IFS Associates Inc. accepts no responsibility for the implementation of any or all parts of the report, unless specifically requested to supervise the implementation or examine the results of activates recommended herein. In the event that examination or supervision is requested, that request shall be made in writing and the details, including fees, agreed to in advance.



1 **TREE CONSERVATION PLAN**
T1 **1:250**

NOTES:

DO NOT SCALE DRAWINGS;

NOTES ARE APPLICABLE TO ALL DRAWINGS IN THE SET;

Fotenn Consultants Inc. IS NOT RESPONSIBLE FOR ACCURACY OF BASE INFORMATION;

THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING SITE CONDITIONS AND REPORTING ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT;

THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING EXACT LOCATIONS OF ALL UNDERGROUND SERVICES AND OBTAINING CLEARANCE FROM ALL APPLICABLE UTILITIES;

THIS PLAN IS TO BE READ IN CONJUNCTION WITH "*TREE CONSERVATION REPORT FOR 155 IBER ROAD, OTTAWA*" DATED JUNE 15, 2021 PREPARED BY IFS ASSOCIATES

TABLE 1: TREE INVENTORY AND ASSESSMENT

NO.	SPECIES	CONDITION	D.B.H.[1] (cm)	OWNERSHIP	TREE CONDITION	STATUS [2]	CRZ [3] (m)
1	Colorado spruce (Picea pungens)	GOOD	15.0	NEIGHBOUR	Maturing; very good crown density, growth increment and needle colour; lower branches broken by snow piling; introduced species; **to be preserved and protected**	To be retained	1.5
2	Little-leaf linden (Tilia cordata)	FAIR	20.6	NEIGHBOUR	Maturing; central dominant main stem for entire height; heavy basal sprouting; introduced species; **to be preserved and protected**	To be retained	2.1
3	Norway maple (Acer platanoides)	GOOD	26.3	NEIGHBOUR	Mature; central dominant main stem with suppressed laterals starting at 1.5m from grade; broad dense crown; introduced invasive species; **to be preserved and protected**	To be retained	2.6
4	Norway maple (Acer platanoides)	POOR	24.2	NEIGHBOUR	Mature; central stem with dominant lateral at 2m on northwest; eutypella canker (Eutypella parasitica) at 0.1-1m on west side of main stem; **to be preserved and protected**	To be retained	2.4
5	Norway maple (Acer platanoides)	GOOD	27.5	NEIGHBOUR	Mature; central main stem with suppressed laterals starting at 1.5m from grade; broad dense crown; spiral seam at 01.-1.4m on south side of main stem has healed; **to be preserved and protected**	To be retained	2.8
6	Norway maple (Acer platanoides)	GOOD	28.2	NEIGHBOUR	Mature; central main stem with suppressed laterals starting at 1.5m from grade; broad dense crown; lower lateral on north side broken by snow plow; **to be preserved and protected**	To be retained	2.8
7	Colorado spruce (Picea pungens)	GOOD	23.2	PRIVATE	Mature; good crown density, growth increment and needle colour; restricted rooting area close to side of building; **to be removed** (conflicts with proposed new parking)	**REMOVE**	2.3
8	Colorado spruce (Picea pungens)	GOOD	24.1	PRIVATE	Mature; good crown density, growth increment and needle colour; restricted rooting area close to side of building; **to be removed** (conflicts with proposed new parking)	**REMOVE**	2.4
9	Colorado spruce (Picea pungens)	GOOD	29.3	PRIVATE	Mature; good crown density, growth increment and needle colour; moderately restricted rooting area close to corner of building; **to be removed** (conflicts with proposed new parking)	**REMOVE**	2.9
10	Colorado spruce (Picea pungens)	GOOD	27.7	PRIVATE	Mature; good crown density, growth increment and needle colour; restricted rooting area close to building – has been clearance pruned in past; **to be removed** (will not survive root loss associated with installation of new curb and concrete pad for bicycle parking)	**REMOVE**	2.8
11	Amur maple (Acer tataricum subsp. ginnala)	POOR	15.3	PRIVATE	Mature; 'standard' variety; crown form very divergent towards north due to influence of trees #12 and 13; suppressed growth; introduced invasive species; **to be removed** (conflicts with proposed new entranceway)	**REMOVE**	1.5
12	Amur maple	FAIR	17.6	PRIVATE	Mature; 'standard' variety; crown form divergent towards southwest due to influence of trees #11 and 13; **to be removed** (conflicts with proposed new entranceway)	**REMOVE**	1.8
13	Amur maple	GOOD	20.2	PRIVATE	Mature; 'standard' variety; crown form divergent towards east due to influence of trees #11 and 12; **to be removed** (misshapen form and having a negative influence on nearby trees)	**REMOVE**	2.0
14	Colorado spruce (Picea pungens)	GOOD	26.7	PRIVATE	Mature; good crown density, growth increment and needle colour; lower crown asymmetric due to intercompetition with trees #15 and 16; **to be preserved and protected**	To be retained	2.7
15	Colorado spruce (Picea pungens)	GOOD	24.9	PRIVATE	Mature; good crown density, growth increment and needle colour; lower crown asymmetric due to intercompetition with trees #14 and 16; **to be preserved and protected**	To be retained	2.5
16	Colorado spruce (Picea pungens)	GOOD	25.2	PRIVATE	Mature; good crown density, growth increment and needle colour; lower crown asymmetric due to intercompetition with trees #14 and 15; **to be preserved and protected**	To be retained	2.5
17	Colorado spruce (Picea pungens)	VERY GOOD	31.3	NEIGHBOUR	Mature; very good crown density, growth increment and needle colour; **to be preserved and protected**	To be retained	3.1
18	Colorado spruce (Picea pungens)	GOOD	23.8	PRIVATE	Mature; good crown density, growth increment and needle colour; lower crown asymmetric due to intercompetition with trees #19 and 20; **to be preserved and protected**	To be retained	2.4
19	Colorado spruce (Picea pungens)	GOOD	25.1	PRIVATE	Mature; good crown density, growth increment and needle colour; lower crown thin due to combined influence (shading) of trees #18, 20, 21 and 22; **to be preserved and protected**	To be retained	2.5
20	Colorado spruce (Picea pungens)	GOOD	23.9	PRIVATE	Mature; good crown density, growth increment and needle colour; lower crown thin due to combined influence of trees #18, 19 and 21; **to be preserved and protected**	To be retained	2.4
21	Amur maple	GOOD	27.3	PRIVATE	Mature; 'standard' variety; generally upright form; crown asymmetric towards east; **to be preserved and protected**	To be retained	2.7
22	Amur maple	FAIR	23.1	PRIVATE	Mature; 'standard' variety; crown divergent towards north; **to be preserved and protected**	To be retained	2.3
23	Amur maple	FAIR	22.1	PRIVATE	Mature; 'standard' variety; crown divergent towards north; **to be preserved and protected**	To be retained	2.2
24	Colorado spruce (Picea pungens)	VERY GOOD	31.3	PRIVATE	Mature; very good crown density, growth increment and needle colour; **to be preserved and protected**	To be retained	3.1
25	Trembling aspen (Populus tremuloides)	FAIR	16.7, 21.1, & 21.2	PRIVATE	Maturing; group of three trees; 21.2cm stem with oozing wounds 2-4m from grade on north side; native species; **to be preserved and protected**	To be retained	2.1

[1] D.B.H.: INDICATES DIAMETER (cm) MEASUREMENT AT BREAST HEIGHT (1.3m ABOVE GRADE);
[2] TO BE RETAINED OR REMOVED
[3] CRZ: INDICATES RADIUS OF CRITICAL ROOTING ZONE AND IS ESTABLISHED AS BEING 10 CENTIMETERS FROM THE TRUNK OF A TREE FOR EVERY 1 CENTIMETER OF TRUNK DIAMETER AT BREAST HEIGHT (DBH). THE CRZ IS CALCULATED AS DBH x 10cm

REFER TO RECOMMENDATIONS IN REPORT PREPARED BY IFS Associates FOR TECHNIQUES TO PRESERVE TREES.

Client / Client

Power-Tek Group
155 Iber Road, Ottawa, ON K2S 1E7

key plan / plan repère

legend / légende

EXISTING TREES AS PER SURVEY (BY OTHERS) - REFER TO TABLE # & REPORT FOR PRESERVATION TECHNIQUES DURING CONSTRUCTION

EXISTING TREES TO BE REMOVED

CRITICAL ROOTING ZONE (CRZ) IDENTIFIED - REFER TO TABLE # FOR RADIUS OF CRZ

TREE PROTECTION FENCING - REFER 1-T2 (AND 2-T2 FOR ROOT PRUNING DETAIL)

rev'n	description / la description	yyyy/mm/dd
01	issue for SPA	2021/07/15
00	issue for City submission	2021/06/18

FOTENN Planning + Design
396 Cooper Street, Suite 300
Ottawa, ON, CANADA K2P 2H7
613.730.5709
fotenn.com

north / le nord

stamp / le cachet

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
KAMYAR ABBASI
OALA
MEMBER

project / projet

155 IBER ROAD

drawing / dessin

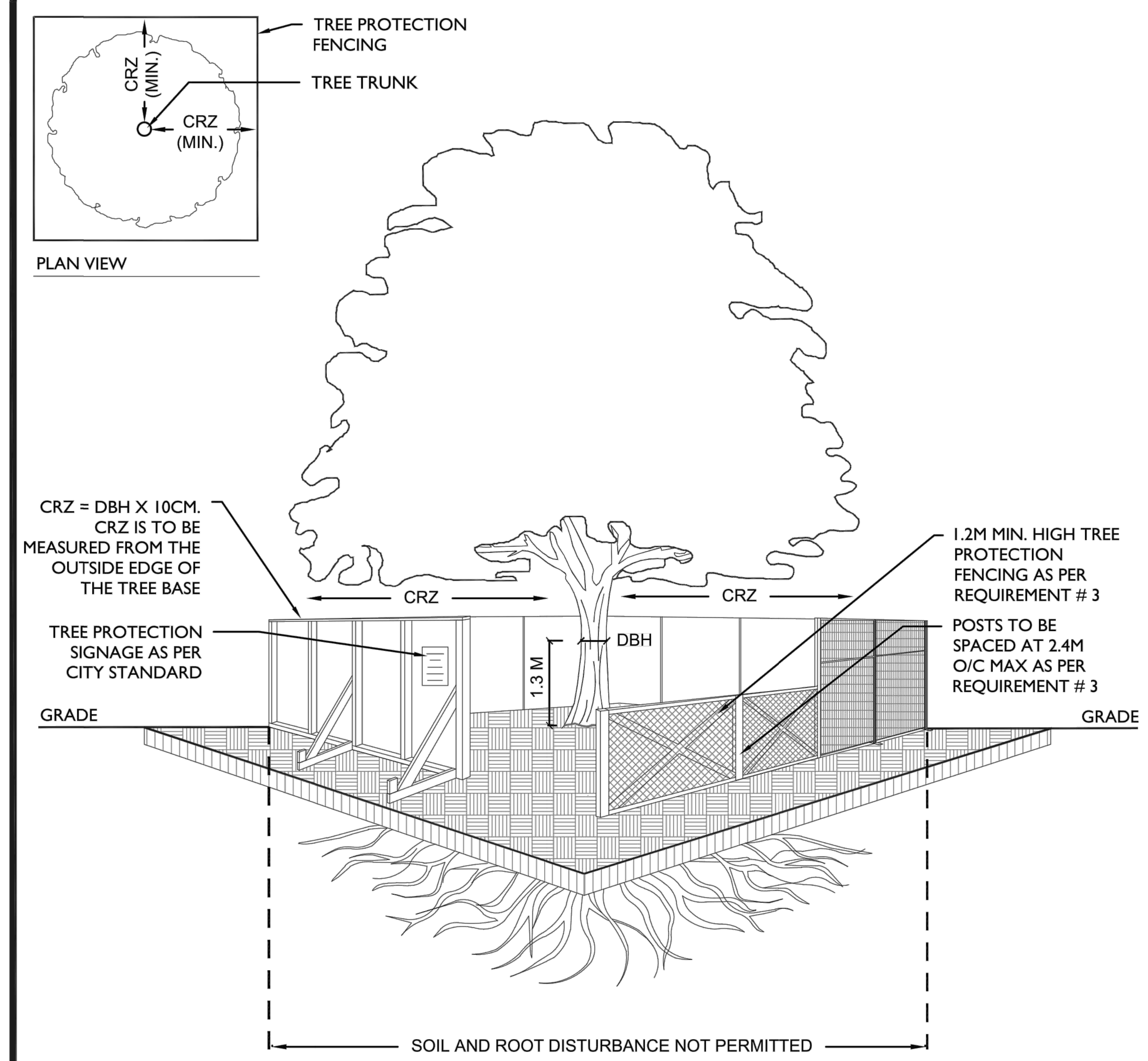
TREE CONSERVATION PLAN

designed / conçu	drawn / dessiné	reviewed / examiné
XX / YY	XX / YY	XX / YY
date	project number / No. du projet	
mmmm yyyy	X ##-##	

drawing number / No. du dessin

T1 of 2

PLOT INFORMATION DWG NAME: P:\PROJECTS\Power-Tek Group\155 Iber Road\DESIGNS\3.0 DESIGN DEVELOPMENT\01 PLANS\rev01-PowerTek-TCR&Plans.dwg PLOT DATE: 2021-07-15 10:53:26 AM SHEET SIZE: ISO full bleed A1 (594.00 x 841.00 MM) PLOTTED BY: Stuart Paterson LAST SAVED BY: spaterson



TREE PROTECTION REQUIREMENTS:

1. PRIOR TO ANY WORK ACTIVITY WITHIN THE CRITICAL ROOT ZONE (CRZ = 10 X DIAMETER) OF A TREE, TREE PROTECTION FENCING MUST BE INSTALLED SURROUNDING THE CRITICAL ROOT ZONE, AND REMAIN IN PLACE UNTIL THE WORK IS COMPLETE.
2. UNLESS PLANS ARE APPROVED BY CITY FORESTRY STAFF, FOR WORK WITHIN THE CRZ:
   - DO NOT PLACE ANY MATERIAL OR EQUIPMENT - INCLUDING OUTHOUSES;
   - DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE;
   - DO NOT RAISE OR LOWER THE EXISTING GRADE;
   - TUNNEL OR BORE WHEN DIGGING;
   - DO NOT DAMAGE THE ROOT SYSTEM, TRUNK, OR BRANCHES OR ANY TREE;
   - ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARD ANY TREE CANOPY.
   - DO NOT EXTEND HARD SURFACE OR SIGNIFICANTLY CHANGE LANDSCAPING
3. TREE PROTECTION FENCING MUST BE AT LEAST 1.2M IN HEIGHT, AND CONSTRUCTED OF RIGID OR FRAMED MATERIALS (E.G. MODULOC - STEEL, PLYWOOD HOARDING, OR SNOW FENCE ON A 2"X4" WOOD FRAME) WITH POSTS 2.4M APART, SUCH THAT THE FENCE LOCATION CANNOT BE ALTERED. ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMISE DAMAGE TO EXISTING ROOTS. (SEE DETAIL)
4. THE LOCATION OF THE TREE PROTECTION FENCING MUST BE DETERMINED BY AN ARBORIST AND DETAILED ON ANY ASSOCIATED PLANS FOR THE SITE (E.G. TREE CONSERVATION REPORT, TREE DISCLOSURE REPORT, ETC). THE PLAN AND CONSTRUCTED FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO THE COMMENCEMENT OF WORK.
5. IF THE FENCED TREE PROTECTION AREA MUST BE REDUCED TO FACILITATE CONSTRUCTION, MITIGATION MEASURES MUST BE PRESCRIBED BY AN ARBORIST AND APPROVED BY CITY FORESTRY STAFF. THESE MAY INCLUDE THE PLACEMENT OF PLYWOOD, WOOD CHIPS, OR STEEL PLATING OVER THE ROOTS FOR PROTECTION OR THE PROPER PRUNING AND CARE OF ROOTS WHERE ENCOUNTERED.

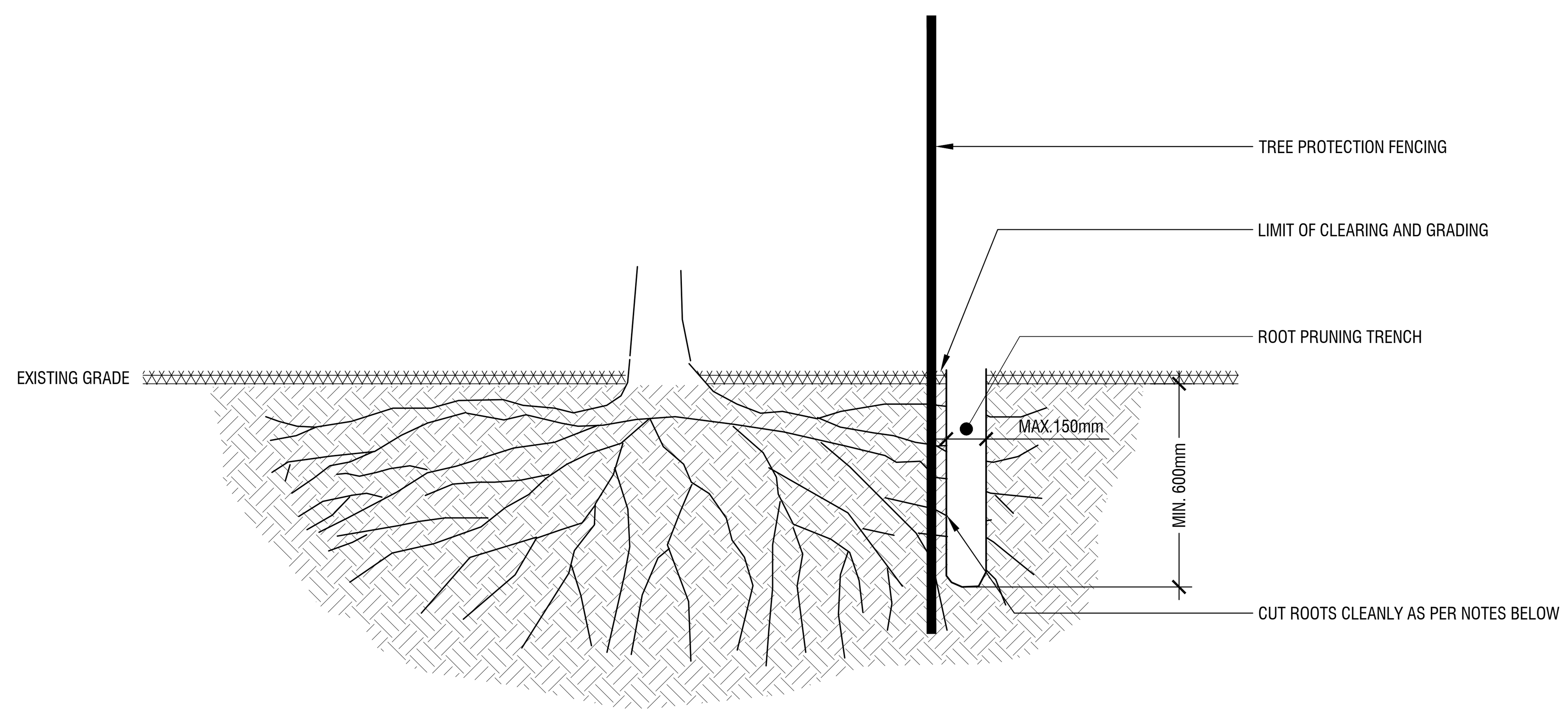
BY-LAWS

ALL CITY-OWNED TREES ARE PROTECTED UNDER THE MUNICIPAL TREES AND NATURAL AREAS PROTECTION BY-LAW (2006-279). WITHIN THE URBAN AREA, PRIVATELY-OWNED TREES GREATER THAN 50CM DIAMETER ON LOTS 1HA IN SIZE OR LESS, AND TREES GREATER THAN 10CM DIAMETER ON LOTS >1HA, ARE PROTECTED UNDER THE URBAN TREE CONSERVATION BY-LAW (2009-200).

ACCESSIBLE FORMATS AND COMMUNICATION SUPPORTS ARE AVAILABLE, UPON REQUEST

Ottawa	TREE PROTECTION SPECIFICATION TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF WORK ACTIVITIES ON SITE.	SCALE: NTS DATE: MAY 2019 DRAWING NO.: 1 of 1

1 / T2 TREE PROTECTION FENCING DETAIL
n.t.s.



NOTES:

- PROPER ROOT PRUNING TECHNIQUE REQUIRED WHEN TREE ROOTS ENCOUNTERED DURING EXCAVATION.
- EXCAVATIONS WITHIN DRIPLINE SHOULD BE BY DIRECTIONAL MICRO-TUNNELLING AND BORING. OUTSIDE THE DRIPLINE, ROOTS SHOULD BE CUT CLEANLY (AS PER ABOVE DRAWING) WITH PRUNING SHEARS OR A SAW WIPED WITH ALCOHOL BEFORE EACH CUT.
- AFTER ROOTS ARE CLEANLY CUT, THE AREA SHOULD BE BACKFILLED WITH SUITABLE MATERIAL (TO BE APPROVED BY LANDSCAPE ARCHITECT) TO PREVENT DESSICATION;
- WHERE APPROPRIATE, THE TREES SHALL UNDERGO AN OVERALL PRUNING TO RESTORE TREE APPEARANCE AND / OR RESTORE THE BALANCE BETWEEN TOP GROWTH AND ROOTS. DO NOT PRUNE LEADERS.

2 / T2 ROOT PRUNING DETAIL
n.t.s.

PRELIMINARY
NOT FOR CONSTRUCTION

Client / Client

Power-Tek Group
155 Iber Road, Ottawa, ON K2S 1E7

key plan / plan repère

legend / légende

rev'n	description / la description	yyyy/mm/dd
01	issue for SPA	2021/07/15
00	issue for City submission	2021/06/18

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north / le nord

stamp / le cachet

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
KAMYAR ABBASI
OALA
MEMBER

project / projet

155 IBER ROAD

drawing / dessin

TREE CONSERVATION PLAN

designed / conçu	drawn / dessiné	reviewed / examiné
XX / YY	XX / YY	XX / YY

date	project number / No. du projet
mmmm yyyy	X ##-##

drawing number / No. du dessin

T2 of 2