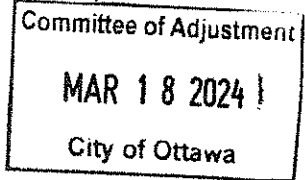




March 15, 2024

Jane Thompson, Principal Architect  
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404 MacKay Street  
Ottawa, ON  
K1M 2C4



**RE: TREE INFORMATION REPORT (FULL) FOR 53 SWEETLAND AVENUE**

This Tree Information Report (TIR) was prepared by Integrated Forestree Services Inc. (IFS Inc.) in support of a minor variance application for 53 Sweetland Avenue. The need for this report is related to trees protected under the City of Ottawa's Tree Protection By-law (By-law No. 2020-340). The work proposed at this address includes a one-storey addition to the rear of an existing multi-unit residential dwelling.

Throughout Ottawa, a TIR is required for infill developments, additions and/or demolitions when a 'distinctive' tree is present (*i.e.* 30 cm in diameter at breast height (DBH) or greater). This includes distinctive trees on adjacent properties which have critical root zones (CRZ) extending onto a property slated for development or demolition. A "tree" is defined in the By-law as any species of woody perennial plant, including its root system, which has reached or can reach a minimum height of at least 450 cm at physiological maturity. The CRZ is calculated as DBH x 10 cm.

The approval of this TIR by the city and the issuing of a permit authorizes the removal of approved trees. **Importantly, although this report may be used to support the application for a 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 authorizing the injury or destruction of a tree in accordance with the By-law. Further, the removal of any trees shared with or fully on neighbouring properties will require written permission of the adjacent landowner.**

The inventory in this report details the assessment of all individual distinctive trees fully on the subject property and adjacent private and City of Ottawa lands. Field work for this report was completed in March 2024.

**TREE SPECIES, CONDITION, SIZE AND STATUS**

Table 1 on pages 2 and 3 details the individual distinctive trees on the subject and adjacent private and public property. Each of these trees is referenced by the numbers plotted on the tree information plan included on page 4 of this report.

Pictures 1 to 4 on pages 7 through 10 of this report show the trees on the subject and adjacent properties.

Table 1. Tree information for 53 Sweetland Avenue

Tree No.	Tree species /Tolerance to Construction <sup>1</sup>	Owner	DBH <sup>3</sup> (cm)	CRZ <sup>4</sup> (m)	Distance to excavation (m) <sup>5</sup>	Tree condition, age class, condition notes, species origin and status (to be removed or preserved and protected)	Reason for removal	Forester's Opinion re. Removal
1	White pine ( <i>Pinus strobus</i> ) / Moderate - Good	City	26.8	2.7	>10	Fair; maturing; crown heavily asymmetric due to influence of tree #2; fair crown density and annual increment, good needle colour; native species; <b>to be preserved and protected</b>	Not applicable – to be preserved	Not applicable
2	White birch ( <i>Betula papyrifera</i> ) / Moderate	Private	41.6	4.2	>10	Poor; overmature; upper half of crown dead; living crown held on competing laterals at 3.5m on south and 6m on southwest; native species; <b>to be preserved and protected</b>	Not applicable – to be preserved	Not applicable
3	Ginkgo ( <i>Ginkgo biloba</i> ) / Good	Private	+/-30	+/-3	>10	Good; mature; central dominant stem to top with generally symmetric crown; introduced species; <b>to be preserved and protected</b>	Not applicable – to be preserved	Not applicable
4	Manitoba maple ( <i>Acer negundo</i> ) / Good	Neighbour	+/-35	+/-3.5	+/-3 (see note under tree protection measures)	Fair; mature; dominant main stem with competing leaders at 1 m; growth form divergent towards northeast; very heavy vine growth ( <i>Vitis</i> spp.) into mid-crown; naturalized species; <b>to be preserved and protected</b>	Not applicable – to be preserved	Not applicable

Table 1. Con't

Tree No.	Tree species /Tolerance to Construction <sup>1</sup>	Owner ship	DBH <sup>2</sup> (cm)	CRZ <sup>3</sup> (m)	Distance to excavation (m) <sup>4</sup>	Tree condition, age class, condition notes, species origin and status (to be removed or preserved and protected)	Reason for removal	Forester's Opinion re. Removal
5	Norway maple ( <i>Acer platanoides</i> ) / Moderate - Good	Neighbour	+/-60	+/-6	+/-4 (see note under tree protection measures)	Fair; mature; tri-stemmed at 2m from grade – co-dominant stems with suppressed lateral towards northwest; co-dominant stems bisect at 5 and 3m; broad crown; very heavy vine growth ( <i>Vitis</i> spp.) into mid-crown; introduced invasive species; <b>to be preserved and protected</b>	Not applicable – to be preserved	Not applicable

<sup>1</sup> As taken from Managing Trees during Construction; 2<sup>nd</sup> Ed., Fite and Smiley; <sup>2</sup>Diameter at breast height, or 1.4m from grade (unless otherwise indicated);

<sup>3</sup>Critical root zone (CRZ) is considered as being 10 centimetres from the trunk of a tree for every centimetre of DBH. The CRZ is calculated as DBH x 10 cm;

<sup>4</sup> Approximate distances only.

## PROVINCIAL REGULATIONS

Certain provincial regulations are applicable to trees on private property. In particular, the Endangered Species Act – ESA (2007) mandates that tree species on the Species at Risk in Ontario (SARO) list be identified. Butternut (*Juglans cinerea*) is present in Eastern Ontario and is listed as threatened on the SARO. Because of this it is protected from harm. No trees of this species were found on or near the subject property.

## TREE PROTECTION MEASURES

Protection measures intended to mitigate damage during construction will be applied to all the trees to be preserved. The following measures are the minimum required by the City of Ottawa to ensure tree survival during and following construction:

1. Erect a fence as close as possible to the critical root zone (CRZ) of trees (City of Ottawa tree protection barrier detail included on page 6).
2. Do not place any material or equipment within the CRZ of the tree.
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 when digging within the CRZ of a 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 crown.

Importantly, the proposed rear addition will be supported by helical piles, thereby avoiding typical below-grade foundation excavation within the CRZs of neighbouring trees #4 and 5.

## REPLACEMENT TREE PLANTING OR COMPENSATION

As no trees are being lost to construction, no replacement tree planting is necessary in this instance.

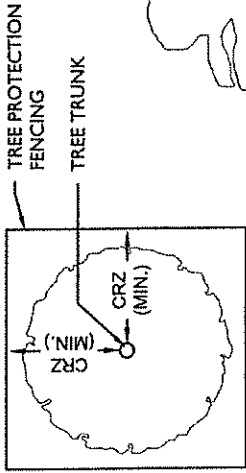
This report is subject to the attached Limitations of Tree Assessments and Liability to which the reader's attention is directed.

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

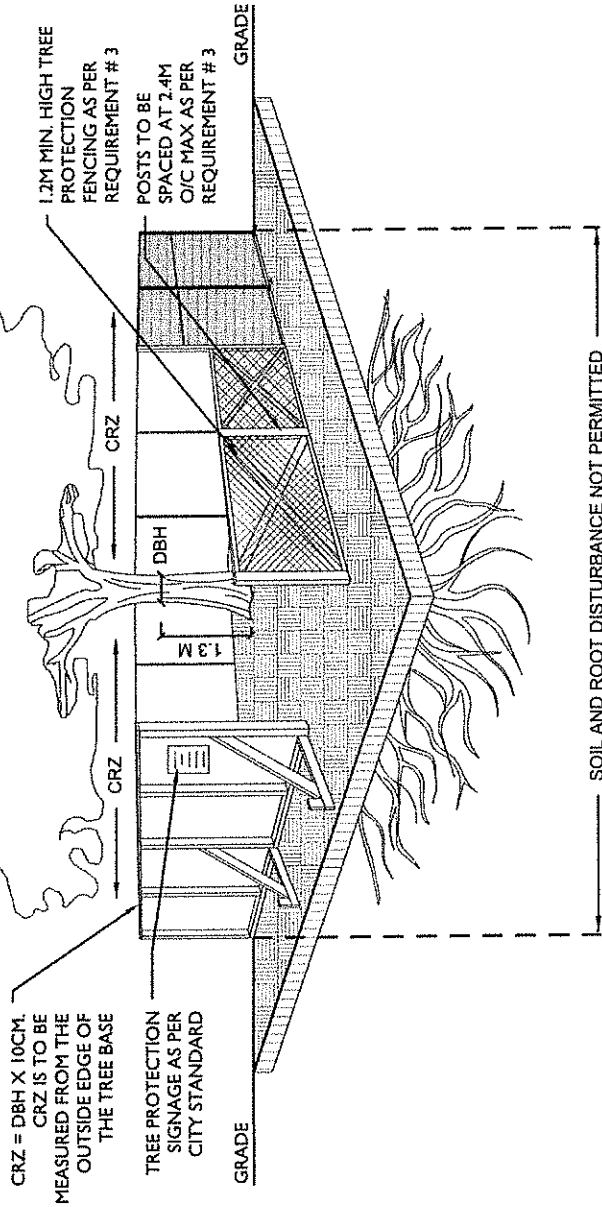
Yours,



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



PLAN VIEW



**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 FLUES 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 INFORMATION 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.

THE CITY'S TREE PROTECTION BY-LAW, 2020-340 PROTECTS BOTH CITY-OWNED TREES, CITY-WIDE, AND PRIVATELY-OWNED TREES WITHIN THE URBAN AREA. PLEASE REFER TO WWW.OTTAWA.CA/TREEBYLAW FOR MORE INFORMATION ON HOW THE TREE BY-LAW APPLIES.

ACCESSIBLE FORMATS AND COMMUNICATION SUPPORTS ARE AVAILABLE. UPON REQUEST



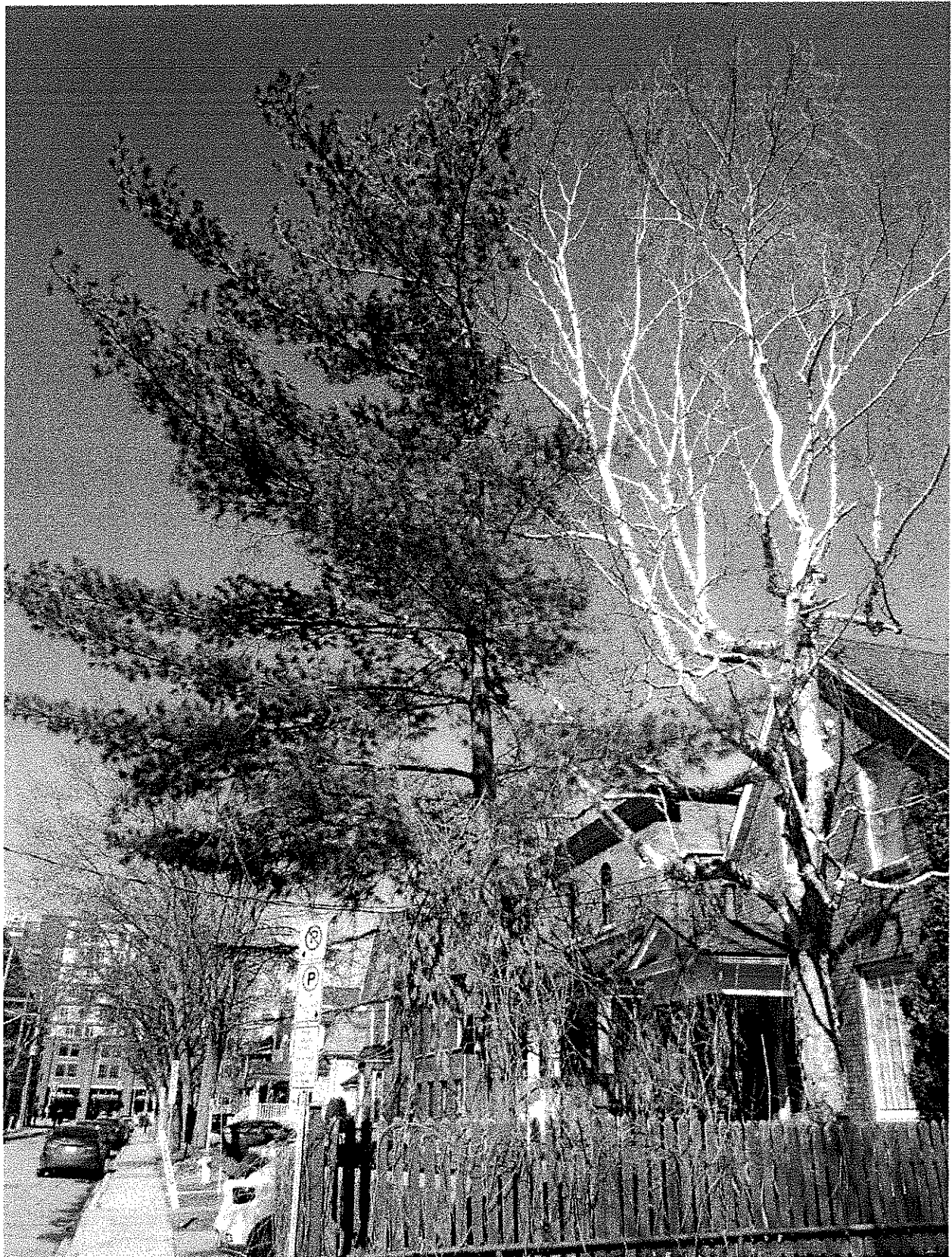
**TREE PROTECTION SPECIFICATION**

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.

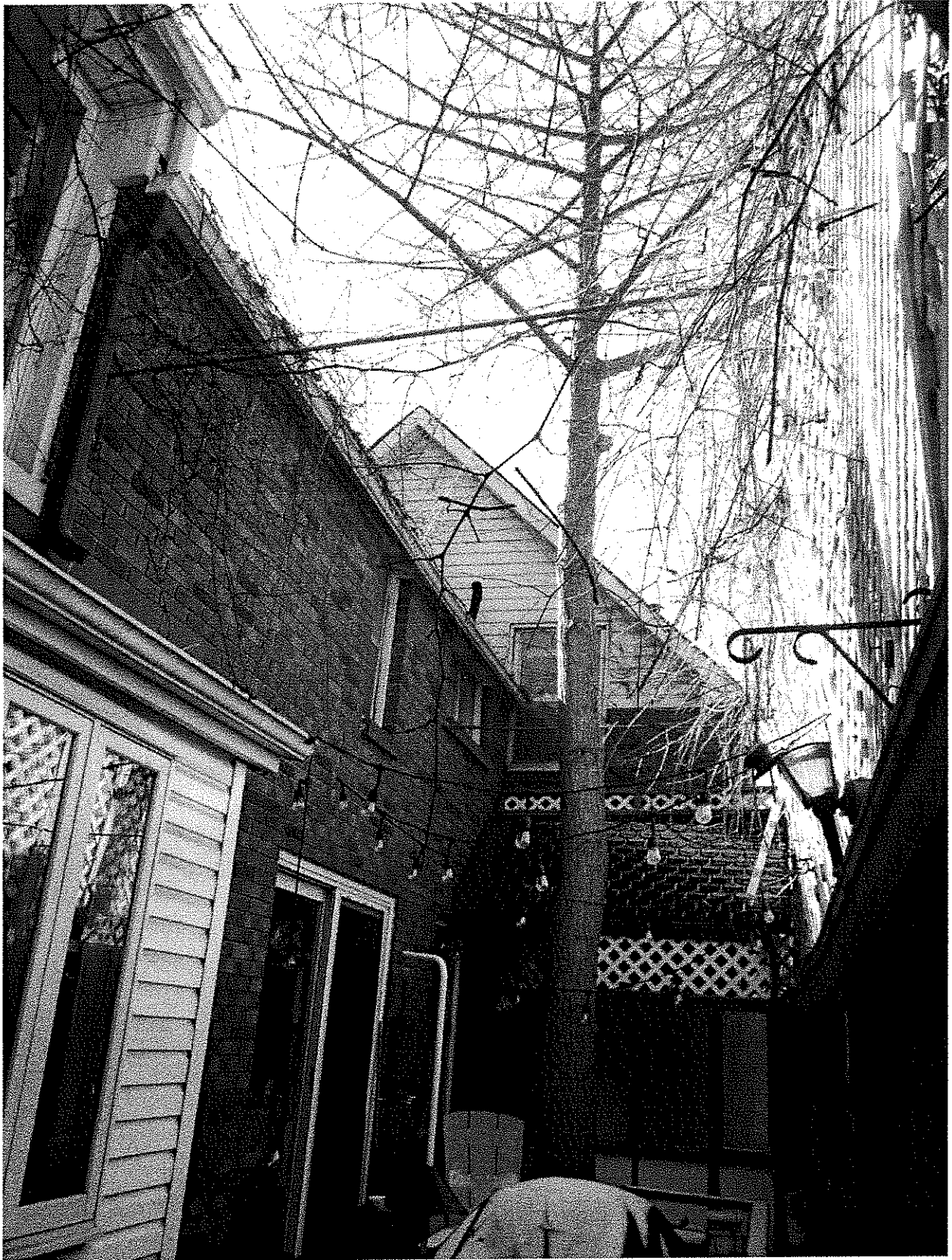
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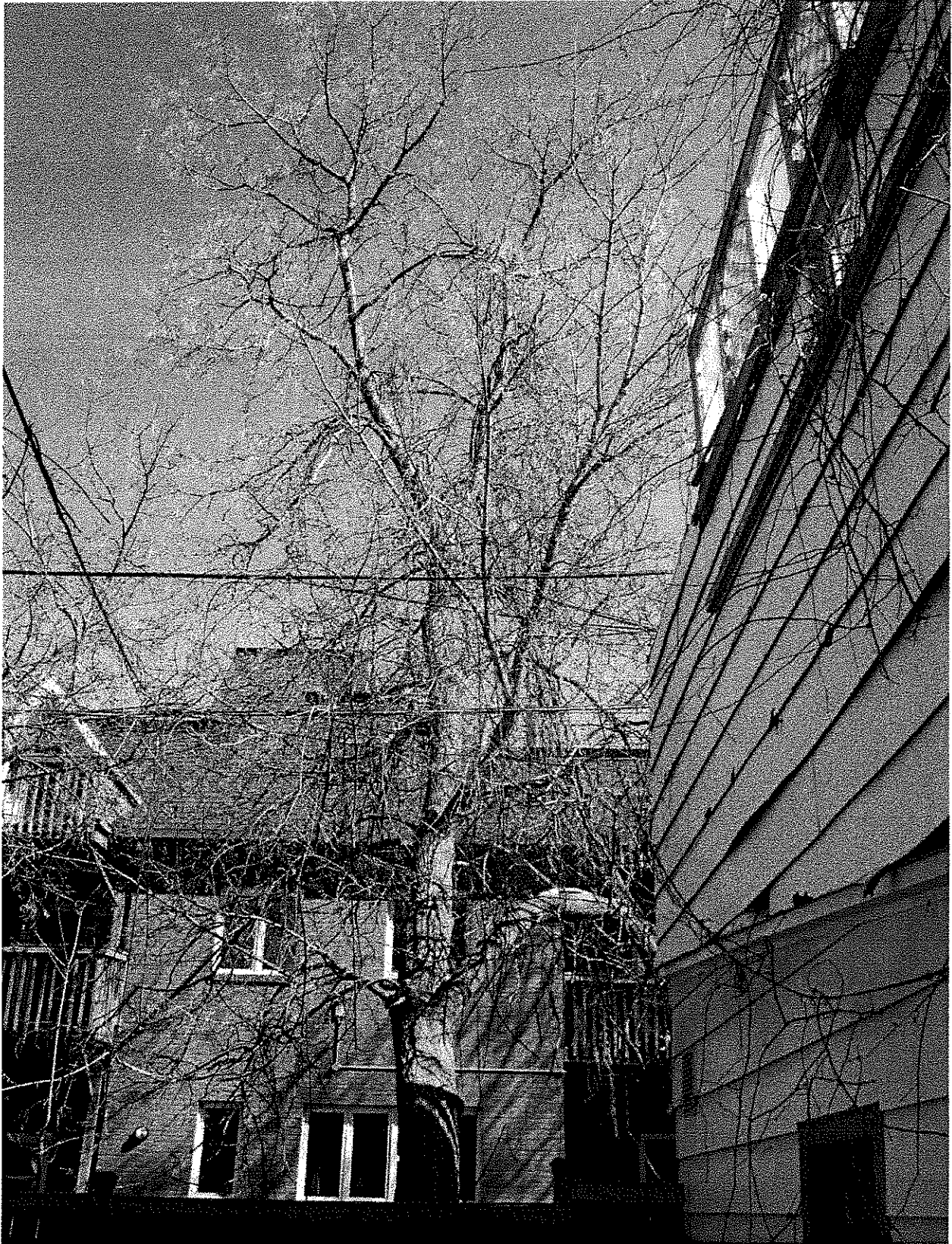
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Picture 1. Tree #1 and 2 at 53 Sweetland Avenue – city white pine and private white birch to be retained.



Picture 2. Tree #3 at 53 Sweetland Avenue –private ginkgo to be retained.



Picture 3. Tree #4 at 53 Sweetland Avenue – neighbouring Manitoba maple to be retained.