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March 27, 2024

**Toronto Planning & Protection Review**

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**Re: 40 Rossmore Road – William Bolton Arena (Ward 11)**

## Arborist Report

Central Tree Care Ltd. has been retained by the City of Toronto. to provide a professional arborist report for the proposed work at 40 Rossmore Road at the William Bolton Arena.

The nature of the work includes coating the metal cladding on the upper wall of the higher roof of the arena along with repairing the roof of the arena.

It is not anticipated that there will need to be any TPPR permits required in order to facilitate the proposed work.

If there are any questions, please contact me at [ryan@centraltreecare.com](mailto:ryan@centraltreecare.com)

Thank you,

Ryan Kroon ON-2962A  
Central Tree Care Ltd.

## Limitations

Inspection of the trees on site was limited to a visual assessment from the ground only, unless stated otherwise. No inspection via climbing, exploration below grade, probing, or coring were conducted. Any observations and data collected from site are based on conditions at the time of inspection. Diameters of trees located on neighboring properties were estimated to avoid trespassing.

## Tree Inventory

**Table 1.** The visual inspection from the ground only was completed on March 25, 2024. The location of trees marked with asterisk was approximated on the TPP; if there are any disputes regarding the location of the tree then an official survey should be conducted.

#	Species	Latin Name	DBH (cm)	TPZ (m)	Health	Structure	Assessment	Comment	Category
*1	Norway maple	<i>Acer platanoides</i>	37.5	2.4	Fair poor	Poor	Large deadwood, no reaction wood around deadwood. Epicormic growth. Central leader is dead.	Requires pruning	5
*2	Norway maple	<i>Acer platanoides</i>	43	3	Good fair	Good	Seam on a limb, forming into a crack, decay is present, possible woodpecker holes from decay. Small deadwood in canopy.	Requires pruning	5
*3	Norway maple	<i>Acer platanoides</i>	40	2.4	Good	Fair	Included bark for union, suspect soil cavity forming. Co-dominant stem. Small deadwood.	Requires pruning	5
*4	Norway maple	<i>Acer platanoides</i>	38	2.4	Fair	Fair	Lateral branch almost dead. Broken branch in canopy of tree. Small deadwood in canopy.	No pruning required	5
*5	Norway maple	<i>Acer platanoides</i>	36	2.4	Poor	Poor	Co-dominant stem, included bark in main union. Suspected insect holes on stem. Decay on one branch attachment point. A lot of deadwood throughout the tree.	Requires pruning	5
*6	Littleleaf linden	<i>Tilia cordata</i>	11	1.8	Good	Good	Epicormic growth. Was cutback from sidewalk. Torn branch in canopy.	Requires pruning	5

*7	Sugar maple	<i>Acer saccharum</i>	51.5	3.6	Good fair	Fair	Co-dominant stem, included bark in main union. Good reaction wood growing around wounds on stem of tree. 2 decay shadows on one of the stems. Small deadwood in canopy of tree.	Requires pruning	5
*8	Sugar maple	<i>Acer saccharum</i>	34	2.4	Poor	Poor	Flat root flare. Bassal decay. Canopy is 50% deadwood. Central leader is dead. Fruiting bodies on a dead lateral limb. Small 5cm diameter on main stem of tree.	Requires pruning	5
*9	Red oak	<i>Quercus rubra</i>	16.5	1.8	Good	Good	Small deadwood in canopy of tree.	No pruning required	5
*10	Red oak	<i>Quercus rubra</i>	16	1.8	Good	Good	Small deadwood in canopy of tree.	No pruning required	3
*11	Norway maple	<i>Acer platanoides</i>	49.5	3	Fair	Fair	Girdling roots at base of tree. Mechanical damage on surface roots. Large internal deadwood. Torsion growth on the main stem. Canopy is growing onto building; branches appear to be chaffing on roof edge.	Requires pruning	3
*12	Norway maple	<i>Acer platanoides</i>	59.5	3.6	Fair	Fair	Co-dominant stem. Wooden elevated deck built around the tree. Epicormic growth. Stem and limb reduction cuts on the tree.	Requires pruning	3
*13	English oak	<i>Quercus robur</i>	23	1.8	Good	Good fair	Small deadwood in canopy of tree.	Requires pruning	3
*14	Norway maple	<i>Acer platanoides</i>	50	3	Fair	Fair	Girdling roots around the base of the tree. Large deadwood. Deadwood in upper canopy of the tree. Co-dominant stem at ~3m. Epicormic growth. Decay shadow on one of the stems. Machine damage on surface roots.	Requires pruning	3
*15	Norway maple	<i>Acer platanoides</i>	42	3	Good fair	Fair	Flat root flare. Co-dominant stem at ~4m. Tree has been lifted ~4-5m. Large deadwood in canopy of tree.	Requires pruning	3

*16	Norway maple	<i>Acer platanoides</i>	34.5	2.4	Fair poor	Fair	Co-dominant stem. Decay shadow on both stems. Epicormic growth. Deadwood in canopy of tree. Flat root flare. Tree appears to be suppressed on its east and west side.	Requires pruning	3
*17	Norway maple	<i>Acer platanoides</i>	35	2.4	Fair	Good fair	Deadwood, some lateral branches are dead. Flat root flare. Epicormic growth.	Requires pruning	3
*18	Norway maple	<i>Acer platanoides</i>	46	3	Good fair	Fair	Co-dominant stem on ~3m. Suspected soil cavity in main union. Frost crack on main stem, running vertically up the stem to the main union, crack has reaction wood on it. Epicormic growth. Small deadwood in canopy of tree.	No pruning required	3

- Category #:
1. Trees with diameters of 30cm or more, situated on private property on the subject site.
  2. Trees with diameters of 30cm or more, situated on private property, within 6m of subject site.
  3. Trees of all diameters situated on City owned parkland within 6m of subject site.
  4. Trees of all diameters situated within lands designated under City of Toronto Municipal Code, Chapter 658, Ravine Protection.
  5. Trees of all diameters situated within the City road allowance adjacent to the subject site.

## Discussion

Please refer to “Recommendations” section for details on tree preservation and tree protection zone (TPZ) hoarding.

### Proposed Roof Replacement Work

The existing roof on the arena is proposed to be repaired in the spring of 2024. Currently there are several trees which have their canopy growing over the roof. There is also one tree which has its branches resting on the edge of the arena. The image gallery will show which trees have canopies growing over the roof of the arena and resting on the edge of the arena’s roof. The image gallery will also show which branches are proposed to be pruned off. The proposed cutbacks from the trees should be within a maximum of 20% canopy reduction for the affected trees and should not require a permit to injure from urban forestry. Please see the recommendations section on the following details on canopy pruning.

### Fully protected trees

The proposed work will not encroach into the TPZ of the remaining trees on or within 6.0m of the subject property, which will be fully protected. Hoarding shall be installed as per the provided TPP prior



to the commencement of permit issuance and construction and shall remain standing during the construction process. After construction is complete, written permission from Urban Forestry must be granted before tree protection hoarding can be modified or removed.

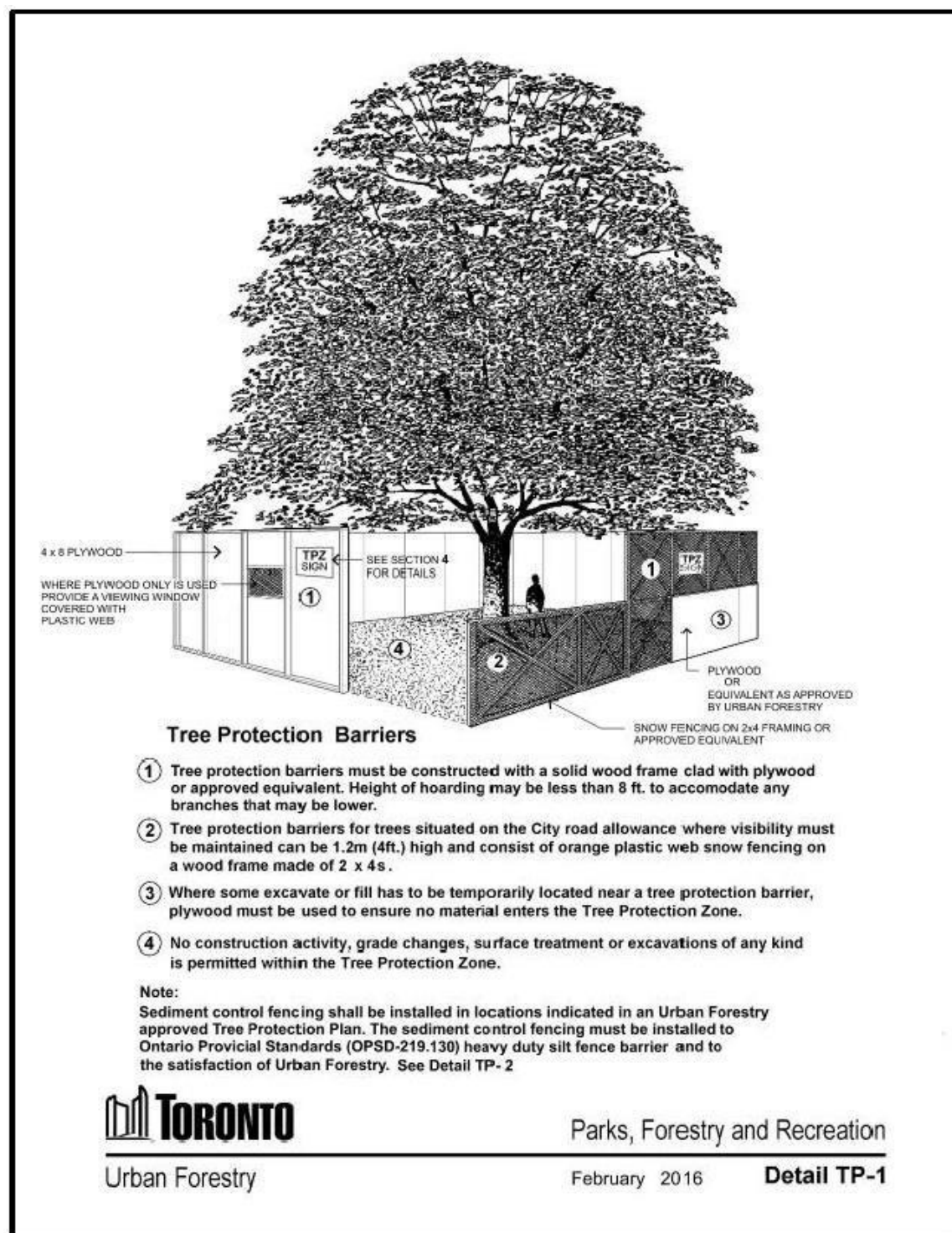
## Recommendations

### Recommendations for canopy pruning:

- All pruning is to be completed by a qualified arborist:
- All pruning is to be conducted to proper arboriculture standards as a part of ISA Best Management Practices ANSI A300
- Climbing spurs shall not be used when climbing trees, except to climb a tree to be removed or to perform an aerial rescue of an injured worker
- Equipment and work practices that damage bark or cambium should be avoided
- Rope injury from loading heavy limbs should be avoided

### Recommendations for tree protection installation:

Tree protection hoarding installation specifications are outlined by the City of Toronto within the “*Tree Protection Policy and Specifications for Construction Near Trees*” document which can be accessed at <https://www.lbna.ca/wp-content/uploads/Toronto-Tree-Protection-Policy.pdf>



The TPZ is established on construction sites to help protect the trees from

- Alteration of existing grades
- Changes in grade by excavating and scraping
- Movement of construction vehicles and people
- Disposal of foreign materials

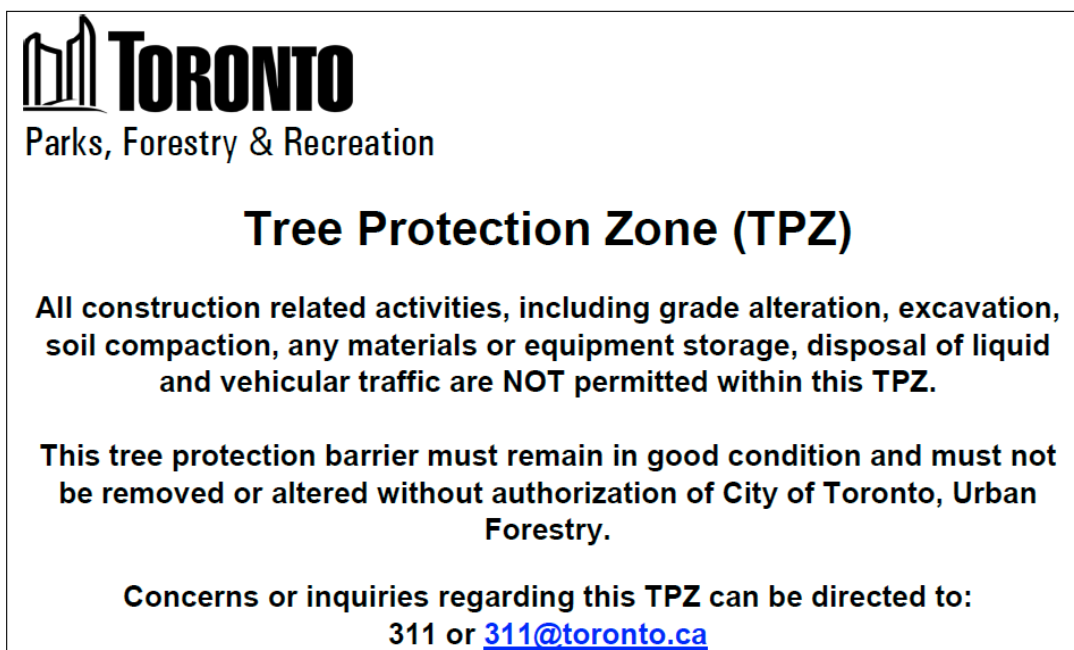
- Storage of waste of construction materials

The tree protection barriers can be constructed from:

- 4ft. high plywood hoarding that can be lowered around limbs, with the supports on the outside
- 4ft. high orange plastic snow fence on a 2"X 4" frame work, this is recommended where visibility is an issue This is recommended for city trees
- If fill or excavates are going to be placed near the plastic fence a plywood barrier must be used to stop these materials from entering the TPZ.

Tree protection signage:

- This sign will be mounted on each TPZ and should be a minimum of 40cm x 60cm and made on white gator board.
- The sign must say in bold letters as a heading: Tree Protection Zone (TPZ) the rest of the text is as follows: No grade changes, storage of materials or equipment is permitted within this TPZ. Tree protection barriers must not be removed without written authorization of the City of Toronto, Urban Forestry Services. For info call Urban Forestry Services at (416) 338-5566, or the project consultant.



Implementation of protection:

- All TPZ must be erected before any type of construction commences on the subject site.
- Before construction begins the TPZ must be inspected by city forestry staff and the consulting arborist.

- Before any digging commences around a tree subject to injury by permit, the consulting arborist must be informed.
- To dig near a tree subject to injury by permit the consulting arborist must be on site to supervise the excavation.
- Hoarding cannot be removed until all construction is finished
- For more information on the construction of a tree protection zone please see the City of Toronto's forestry's web site and go to By-laws and Policies.

## Photographic Documentation (March 25, 2024):



**Figure 1.** Tree 1 (facing west).





**Figure 2.** Red lines indicate which branches should be pruned back from the building (facing north).





**Figure 3.** Tree 2 (facing west).





**Figure 4.** Red lines indicate which branches should be pruned back from the building (facing north).





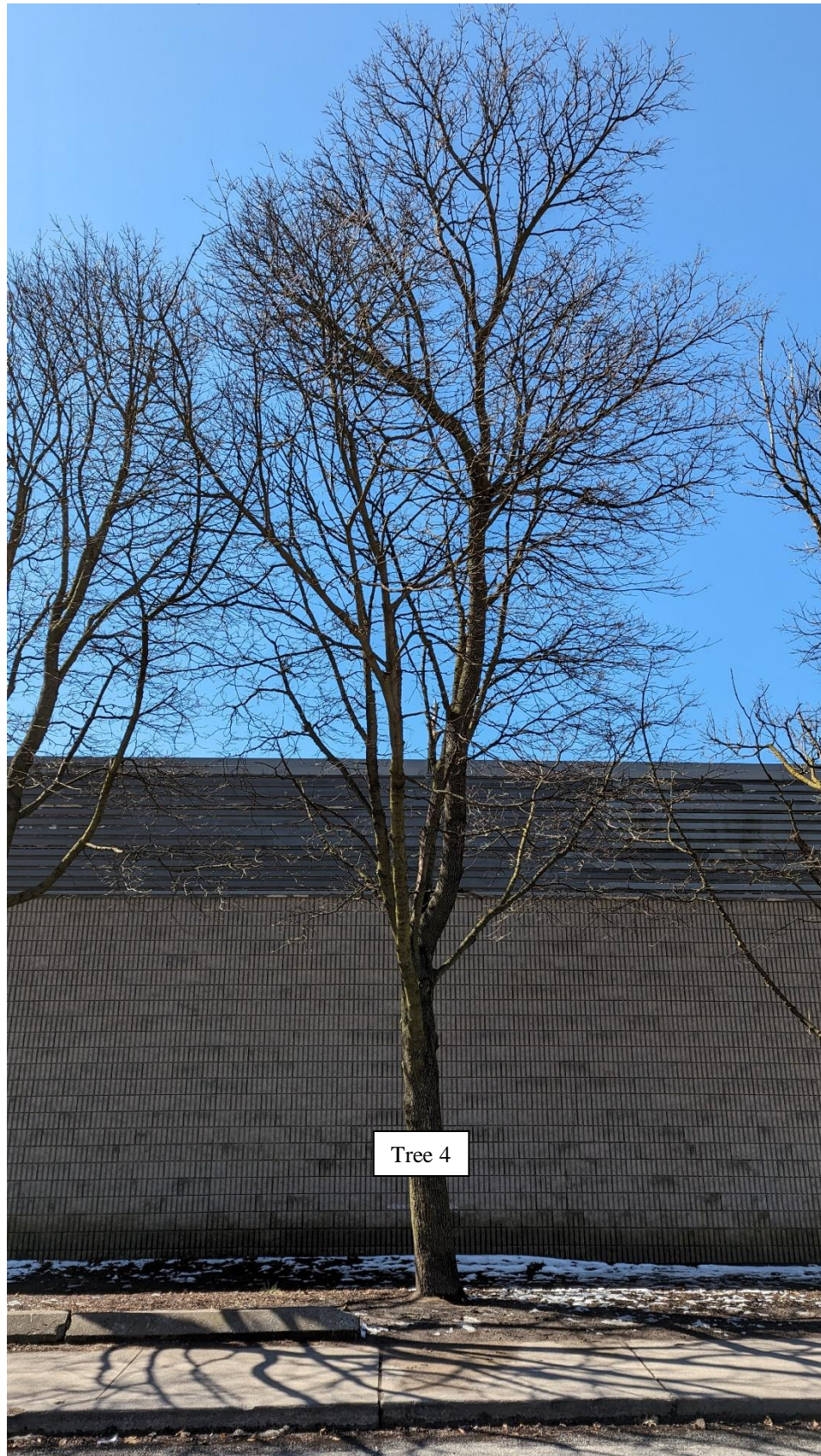
**Figure 5.** Tree 3 (facing west).





**Figure 6.** Red lines indicate which branches should be pruned back from the building (facing north).





**Figure 7.** Tree 4 (facing west).





**Figure 8.** Tree 5 (facing west).





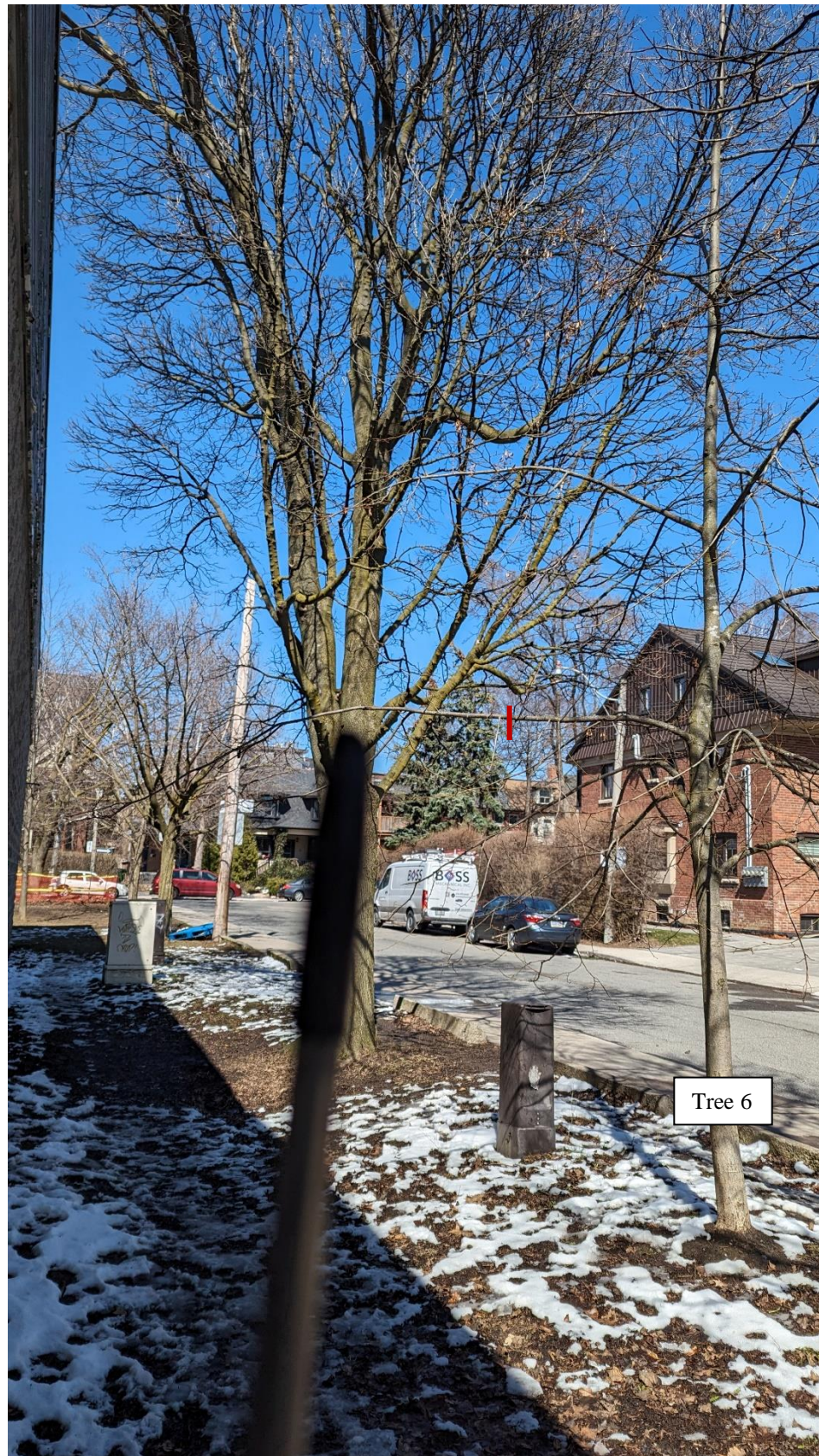
**Figure 9.** Red lines indicate which branches should be pruned back from the building (facing north).





**Figure 10.** Tree 6 (facing west).





**Figure 11.** Red lines indicate which branches should be pruned back from the building (facing north).





**Figure 12.** Tree 7 (facing west).





**Figure 13.** Red lines indicate which branches should be pruned back from the building (facing northwest).





**Figure 14.** Red lines indicate which branches should be pruned back from the building (facing north).





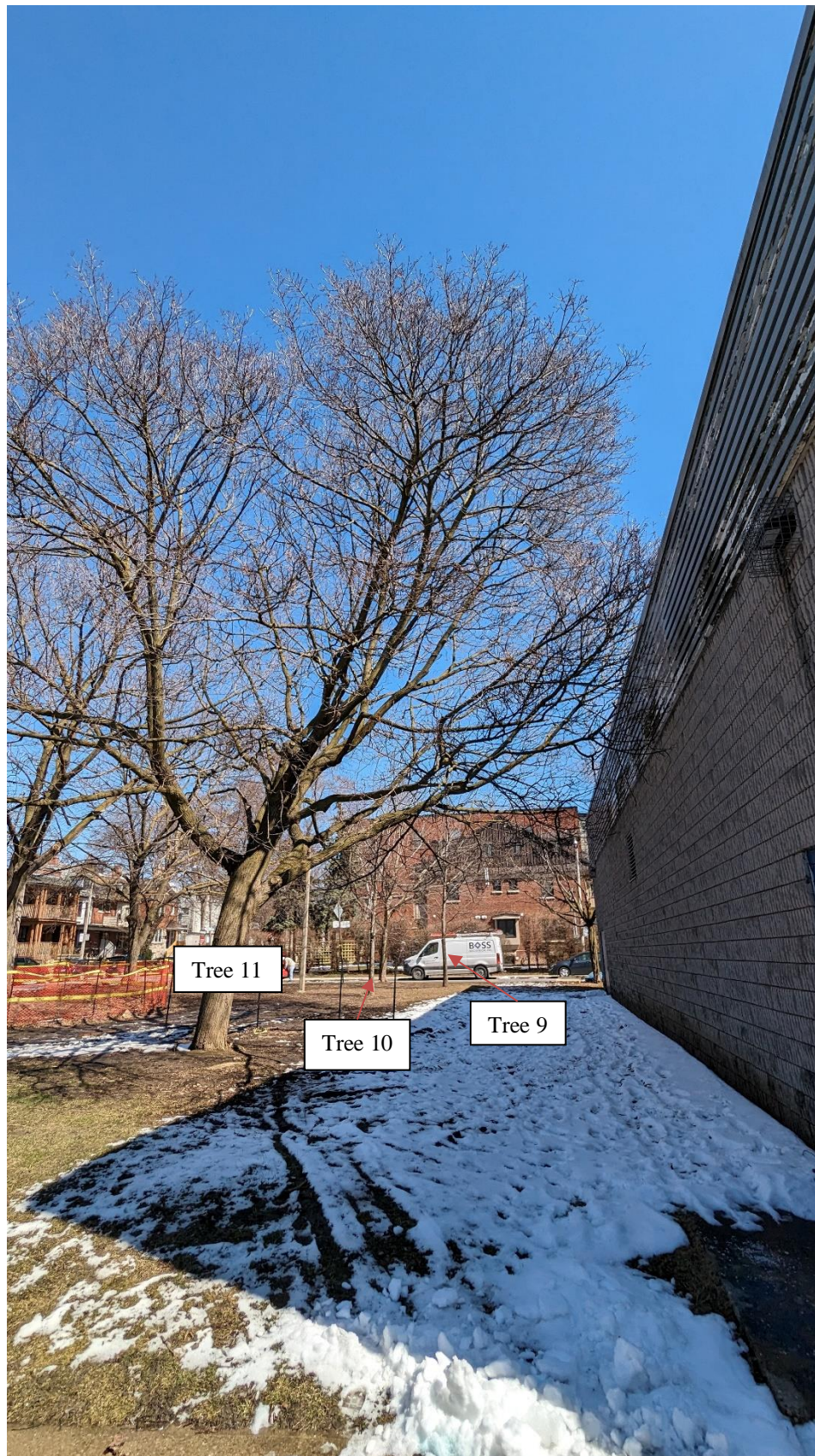
**Figure 15.** Tree 8 (facing west).





**Figure 16.** Red lines indicate which branches should be pruned back from the building (facing north).





**Figure 17.** Northside of the building with Tree 11's canopy touching the building (facing east).





**Figure 18.** Red lines indicate which branches should be pruned back from the building (facing west).



**Figure 19.** Red lines indicate which branches should be pruned back from the building (facing east).





**Figure 20.** Tree 12 (facing east).





**Figure 21.** Red lines indicate which branches should be pruned back from the building (facing north).





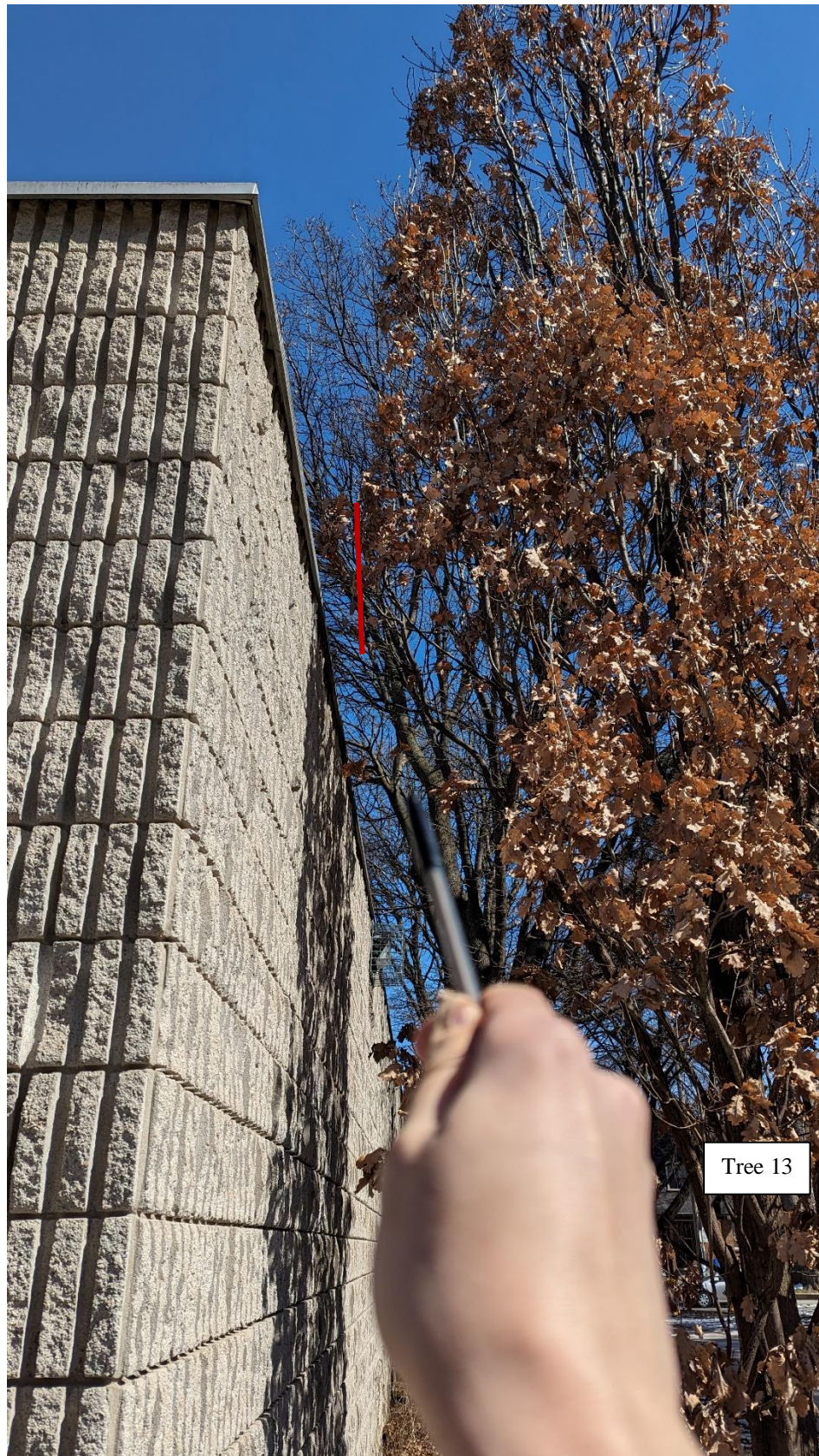
**Figure 22.** Red lines indicate which branches should be pruned back from the building (facing southeast).





**Figure 23.** South side of the building (facing east).





Tree 13

**Figure 24.** Red lines indicate which branches should be pruned back from the building (facing east).





**Figure 25.** Trees 14 & 15 (facing northeast).





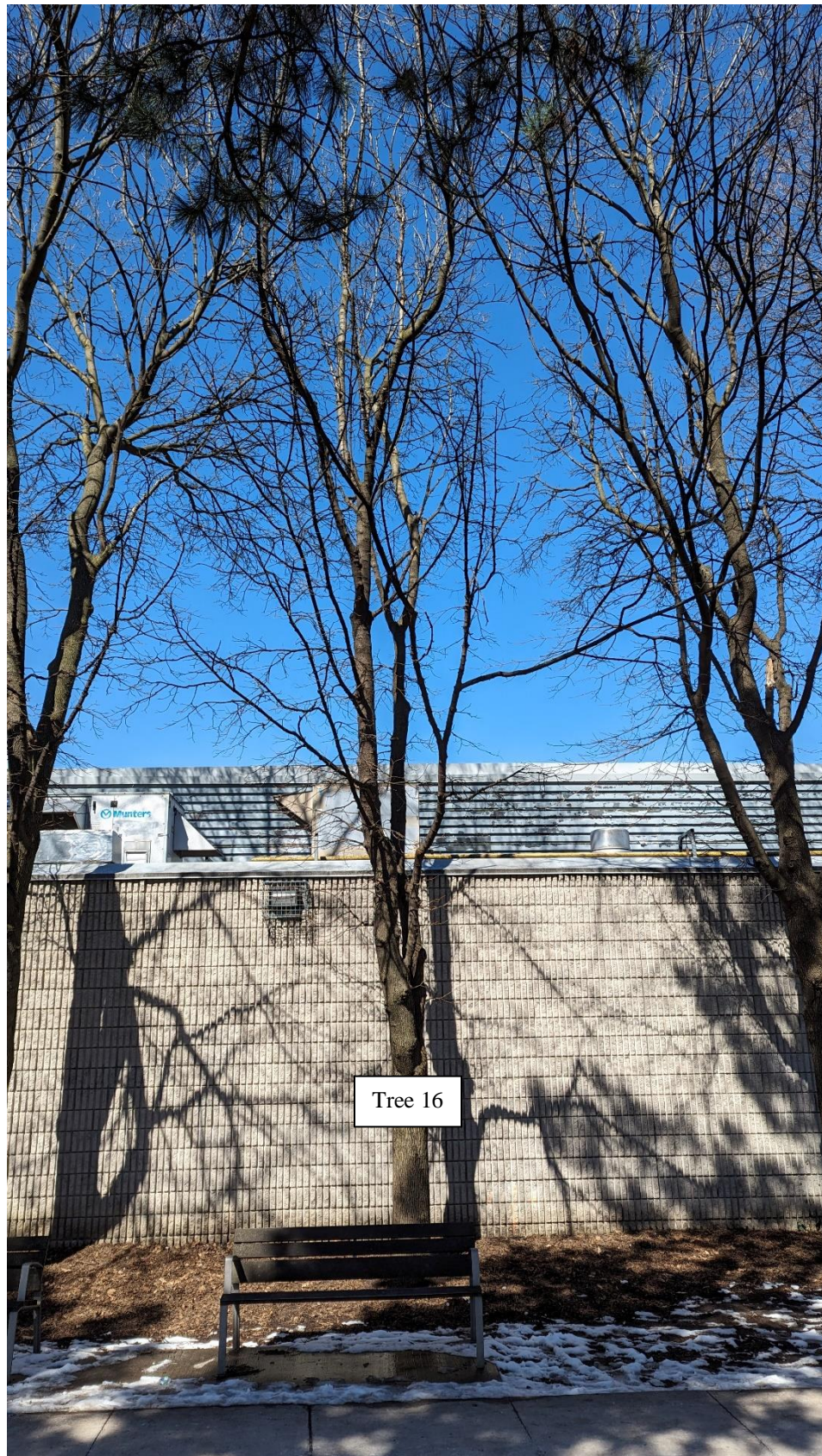
**Figure 26.** Red lines indicate which branches should be pruned back from the building (facing east).





**Figure 27.** Red lines indicate which branches should be pruned back from the building (facing northeast).





**Figure 28.** Tree 16 (facing north).





**Figure 29.** Red lines indicate which branches should be pruned back from the building (facing east).





**Figure 30.** Trees 16 and 17 (facing northwest).





**Figure 31.** Red lines indicate which branches should be pruned back from the building (facing east).





**Figure 32.** Tree 18 (facing north).