

1 Tree Inventory, Preservation, and Removals Plan
 T1-1 Scale 1:300

General Note:
 Prior to the commencement of any site activity the tree protection barriers specified on this plan must be installed and written notice provided to Urban Forestry. The tree protection barriers must remain in effective condition until all site activities including landscaping are complete. Where required, signs as specified in the Arborist Report Tree Protection Zone must be attached to all sides of the barrier. Written notice must be provided to Urban Forestry prior to the removal of the tree protection barriers.

ARBORETOLOGICAL WORK:
 Any roots or branches which extend beyond TPZ indicated on this plan which require pruning, must be pruned by a qualified arborist or other tree professional as approved by Urban Forestry. All pruning of trees shall be done in accordance with the ANSI A300 standard. Pruning shall be done using proper techniques including digging or by using a low pressure hydro vac method. This will allow a proper pruning cut and minimize tearing of the roots. The Arborist/Tree professional retained to carry out crown or root pruning must contact Urban Forestry no less than 48 hours prior to conducting any specified work.

THE TREE PROTECTION ZONE:
 The following chart is showing minimum required distances for determining a Tree Protection Zone (TPZ) for City-owned trees located on a City Street, in parks and trees on private property subject to either the Routine and Natural Feature Protection By-law or the Private Tree By-law. Some trees and some site conditions may require a larger TPZ.

Table 1 - Tree Protection Zones

Trunk Diameter DBH*	Minimum Protection Distances Required**	Minimum Protection Distances Required in Areas Protected by the Routine or Natural Feature Protection By-law or the Private Tree By-law. Whichever of the two is greater.
<10cm	1.8m	The drip line***or 1.2m
10-30cm	2.4m	The drip line or 3.0m
31-50cm	3.0m	The drip line or 4.5m
51-60cm	3.5m	The drip line or 6.0m
61-70cm	4.2m	The drip line or 8.4m
71-80cm	4.9m	The drip line or 9.8m
81-90cm	5.6m	The drip line or 10.8m
91-100cm	6.3m	The drip line or 12.0m

- For trees over 100 cm DBH, add 10cm to the TPZ for every one centimeter of DBH.
 - Roots can extend from the trunk to 2-3 times the distance of the drip line (See Detail 3, TP-2)
 - Diameter at breast height (DBH) measurement of tree trunk taken at 1.37 metres above ground.
 - Tree Protection Zone distances are to be measured from the outside edge of the tree base towards the drip line and may be limited by an existing paved surface, provided the existing paved surface remains intact throughout the construction work.
- *Diameter at breast height (DBH) measurement of tree trunk taken at 1.4 metres above the ground.
 **Tree Protection Zone distances are to be measured from the outside edge of the tree base.
 ***Diameter (DBH) at which the trees qualify for protection under the private tree by-law.
 ****Converted from ISA Arborist Certification Study Guide, general guideline for tree protection barriers of 1 foot of diameter from the stem for each inch of stem diameter.
- When a TPZ there must be:
 - no stirring of grade by grading, fill, excavating, trenching, scraping, dumping or disturbance of any kind.
 - no storage of construction materials, equipment, soil, construction waste or debris.
 - no disposal of any liquids e.g. concrete, sealant, gas, oil, paint.
 - no movement of vehicles, equipment, or pedestrians.
 - no parking of vehicles or machinery.
 - no trenching or shoring and shoring may be permitted with the limits of a TPZ subject to approval by Urban Forestry.
 - open face cuts outside a TPZ that are consistent with an approved plan and that require root pruning, require the services of a qualified arborist or approved tree professional. An exploratory dig, either by hand or using low water pressure hydro vac method, must be completed prior to commencing any open face cuts outside the TPZ.
 - The above mentioned requirements are for trees designated as a TPZ. These requirements should also be implemented outside the TPZ in areas where tree roots are located. The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.

2 Tree Protection Specifications

- Do not scale the drawings. All dimensions are in millimetres unless noted otherwise.
- This drawing is to be read in conjunction with the site plan and architectural drawings prepared by the Architect, and engineering drawings prepared by the Civil, Mechanical and Electrical Engineers.
- The tree inventory includes assessment of all on site trees. The trees have been assessed based on species, size and condition.
- The contractor is to have required Municipality Tree Removal Permits in hand prior to the removal of any trees.
- The contractor shall check and verify all existing and proposed grading and conditions on the project and immediately report any discrepancies to the consultant before proceeding with any removals.
- The contractor is to be aware of all existing and proposed services and utilities. The contractor is responsible for locating all underground services and utility lines staked by each agency (testing jurisdiction prior to commencing work).
- This drawing is to be used for development approval only.
- Do not leave any holes open overnight.
- Keep area outside construction zone clean and useable by others at all times. Contractor shall thoroughly clean areas surrounding the construction zone at the end of each work day.
- Contractor to make good any and all damages outside of the development area that may occur as a result of tree removals at no extra cost.
- This drawing is Copyright MHBC 2019.

LEGEND

- DECIDUOUS TREE - TO BE RETAINED
- CONIFEROUS TREE - TO BE RETAINED
- DECIDUOUS TREE - TO BE REMOVED
- CONIFEROUS TREE - TO BE REMOVED
- TREE IDENTIFICATION KEY
TREE TO BE RETAINED
- TREE IDENTIFICATION KEY
TREE TO BE REMOVED

General Notes

- Do not scale the drawings. All dimensions are in millimetres unless noted otherwise.
- This drawing is to be read in conjunction with the site plan and architectural drawings prepared by the Architect, and engineering drawings prepared by the Civil, Mechanical and Electrical Engineers.
- The tree inventory includes assessment of all on site trees. The trees have been assessed based on species, size and condition.
- The contractor is to have required Municipality Tree Removal Permits in hand prior to the removal of any trees.
- The contractor shall check and verify all existing and proposed grading and conditions on the project and immediately report any discrepancies to the consultant before proceeding with any removals.
- The contractor is to be aware of all existing and proposed services and utilities. The contractor is responsible for locating all underground services and utility lines staked by each agency (testing jurisdiction prior to commencing work).
- This drawing is to be used for development approval only.
- Do not leave any holes open overnight.
- Keep area outside construction zone clean and useable by others at all times. Contractor shall thoroughly clean areas surrounding the construction zone at the end of each work day.
- Contractor to make good any and all damages outside of the development area that may occur as a result of tree removals at no extra cost.
- This drawing is Copyright MHBC 2019.

2207050 WESTON ROAD WOODBINE ONT L4L 6C7 | P: 905.761.5388 F: 905.761.5399 | WWW.MHBCON.COM

Stamp: May 2017

Drawn By: DC
 Plan Scale: 1:300
 File No.: 11161E
 Checked By: MM/JD
 Other:

ISSUED FOR SPA ONLY NOT FOR CONSTRUCTION

All drawings and specifications are instruments of service and all remain the property of MHBC Planning and must be returned at the completion of the drawings are amended. Signed for Contractor and the professional seal is signed and dated by the landscape architect.

3171 Lakeshore Rd W
 OAKVILLE, ONTARIO

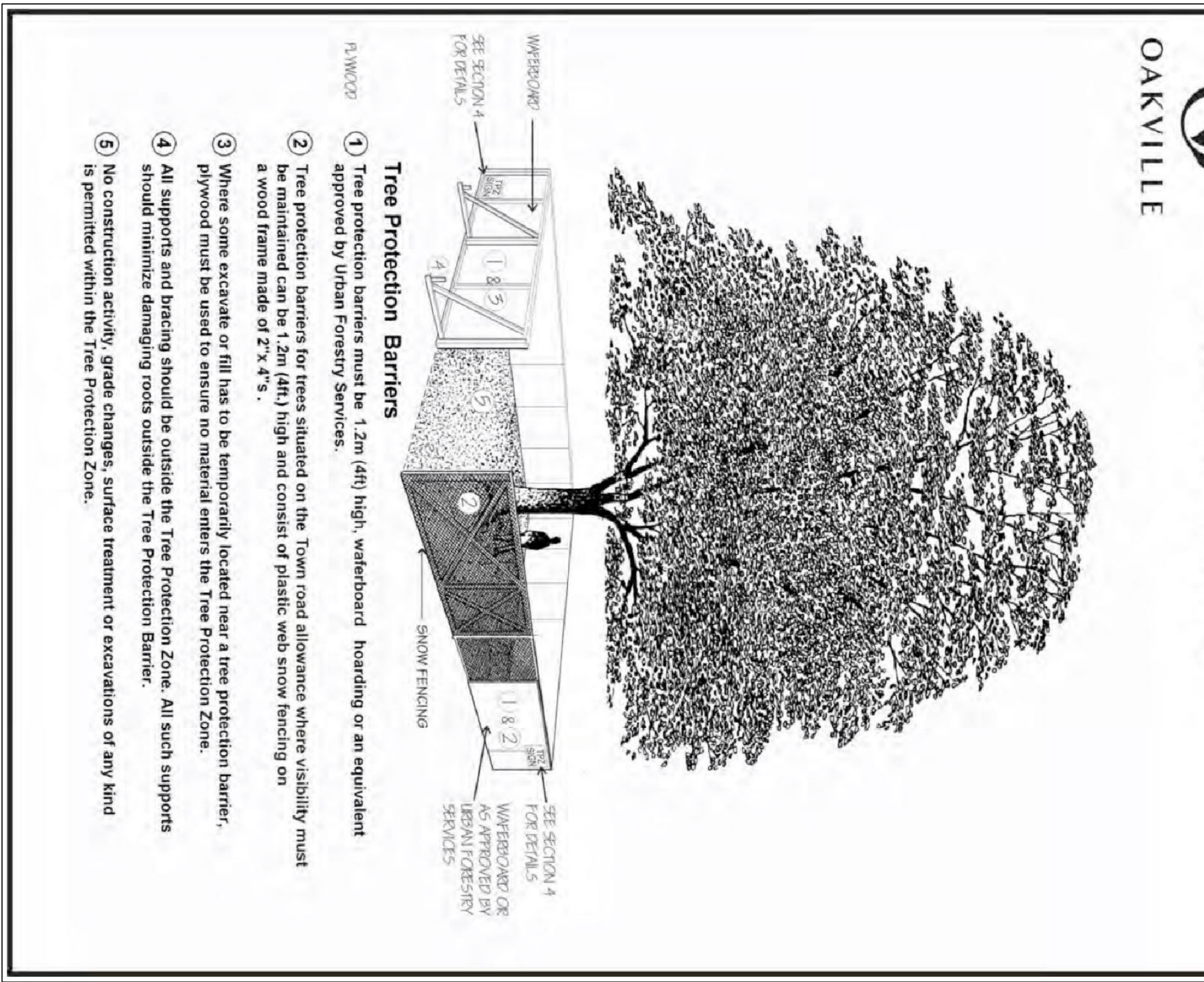
PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE
 MHBC

FILE NAME: TREE INVENTORY, PRESERVATION AND REMOVALS PLAN
 DWG NO.: T1-1

TREE INVENTORY NOTES

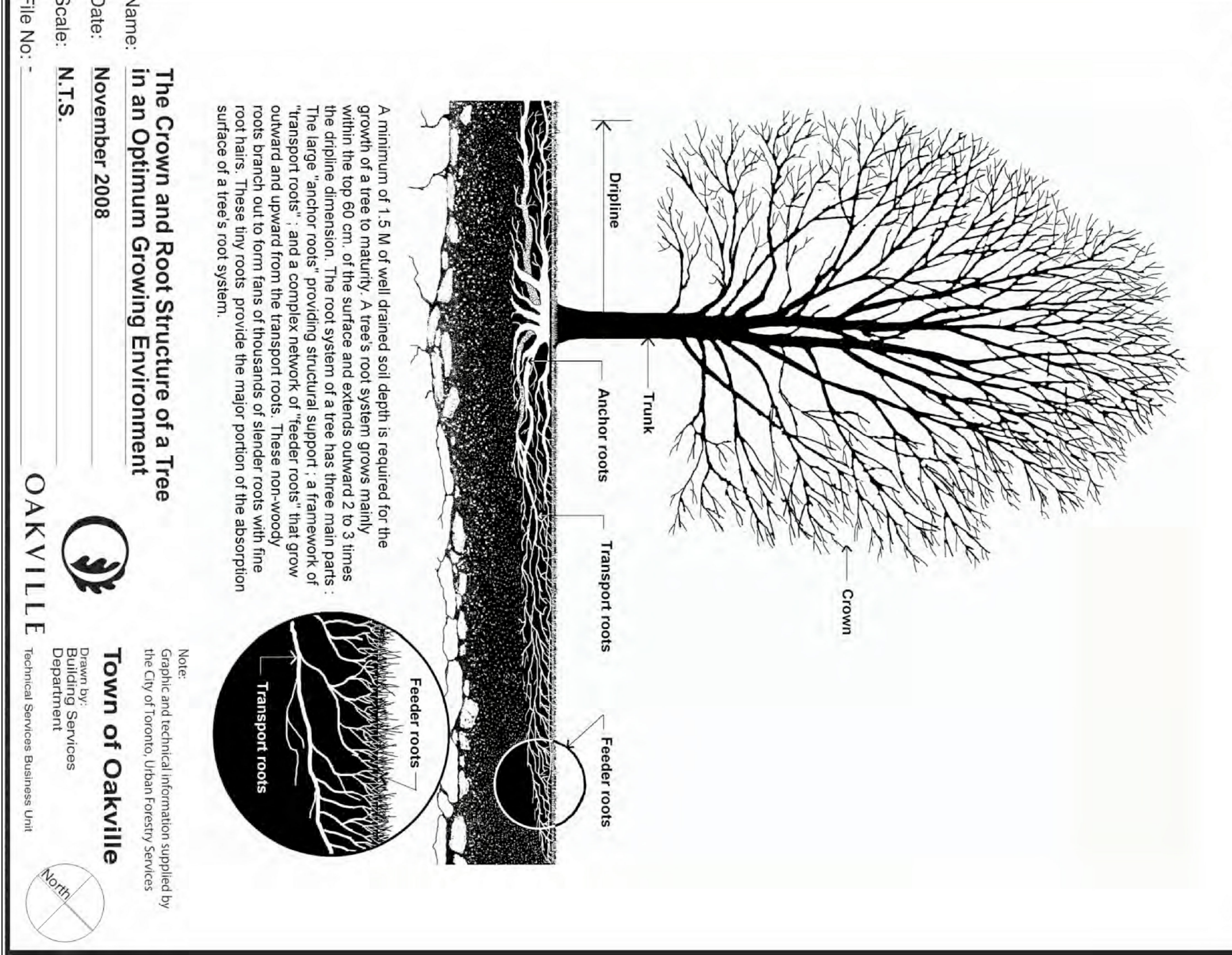
Tree Owner No.	Common Name	Species Name	DBH (cm)	TPZ (m)	Code	Condition	Comments	Recommendation
658	P	Austrian Pine	30	3	F/G	F	10	Remove
659	P	Coil Blue Spruce	17	2.4	F/G	F/G	4	Remove
660	P	Austrian Pine	38	3	F	F/G	7	Remove
661	P	Paper Birch	49	3	F	F	14	Remove
662	P	Black Walnut	53	3.6	F	F/G	14	Remove
663	P	Black Walnut	68	4.2	F	F/G	15	Remove
664	P	Red oak	45	3	P	P	12	Retain
665	P	White Ash	31	3	F/P	F/G	10	Remove
666	P	White Ash	26	2.4	F/G	F/G	7	Remove
667	P	White Ash	22	2.4	F/G	F/G	7	Remove
668	P	White Ash	22	2.4	F/G	F/G	7	Remove
669	P	Norway Spruce	57	3.6	F/P	F	15	Remove
670	P	Norway Spruce	21	2.4	F/G	F/G	7	Remove
671	P	Blue Ash	42	3	F	F	14	Remove
672	P	Austrian Pine	42	3	F/G	F	11	Remove
673	P	Black Walnut	30	3	F	F	12	Remove
674	P	Red Oak	28	2.4	F/G	F/G	11	Remove
675	N	Norway Spruce	41	3	F	F	14	Remove
676	P	Norway Spruce	44	3	F	F	15	Remove
677	M	Norway Spruce	75	4.8	F	F/P	18	Retain
678	M	Norway Spruce	68	4.2	F	F/P	18	Retain
679	M	White Spruce	22	2.4	F	F/P	6	Retain
680	M	White Spruce	19	2.4	F	F	4	Retain
681	M	White Spruce	26	2.4	F	F	5	Retain
682	M	White Spruce	18	2.4	F	F	4	Retain
683	M	White Cedar	20	2.4	F	F	3	Retain
684	M	White Cedar	16	2.4	F	F	3	Retain
685	M	White Cedar	17	2.4	F	F/P	2	Retain
686	M	Scott Pine	28	2.4	F	F	6	Retain
687	M	Scott Pine	29	2.4	F	F	6	Retain
688	M	Silver Maple	117	7.2	F	F/P	24	Retain
689	M	Super Maple	78	4.8	F	F	19	Retain
690	M	Norway Spruce	32	3	F	F	14	Retain
691	M	Norway Spruce	63	4.2	F	F	18	Retain
692	M	Norway Spruce	42	3	F	F	12	Retain
693	M	Norway Spruce	52	3.6	F	F	18	Retain
694	M	White Oak	16	2.4	F/G	F/G	8	Retain
695	M	Norway Spruce	75	4.8	F	F	20	Retain
696	M	Black Walnut	71	4.8	F	F/G	24	Retain
697	M	Black Walnut	71	4.8	F	F/G	24	Retain
698	M	Black Walnut	30	2.4	F	F/G	7	Retain
699	M	Black Walnut	67	4.2	F	F	20	Retain
699	M	Silver Maple	47	3	F/P	F/P	11	Retain
700	M	Black Walnut	32	3	F/P	P	6	Retain
906	P	Black Walnut	23.27/23	4.2	F/P	P	22	Remove
907	P	Black Walnut	37	3	F	P	14	Retain
908	P	Black Walnut	29	2.4	F	P	14	Retain
909	P	Grey Birch	38	3	F/P	P	12	Remove
910	SM	Black Walnut	30	2.4	F/P	P	12	Retain
911	P	Black Walnut	36	3	F	P	10	Retain
912	P	Black Walnut	25	2.4	F	F/P	8	Retain
913	P	Black Walnut	20	2.4	F	P	8	Retain
914	P	Black Walnut	15	2.4	F/P	P	5	Retain
915	P	Black Walnut	16	2.4	F/P	P	4	Retain

SCHEDULE 1 TREE PROTECTION BARRIER



TOWN OF OAKVILLE TREE PROTECTION DURING CONSTRUCTION

DETAIL TP-1



TOWN OF OAKVILLE TPZ DETAIL

DBH (cm)	TPZ (m)	Code	Condition	Comments	Recommendation
<10	1.8	F	F	Minor tree, Moderate canopy, slight decline	Remove
10-30	2.4	F	F	Minor tree, Moderate canopy, slight decline	Remove
31-50	3	F	F	Minor tree, Moderate canopy, slight decline	Remove
51-60	3.6	F	F	Minor tree, Moderate canopy, slight decline	Remove
61-70	4.2	F	F	Minor tree, Moderate canopy, slight decline	Remove
71-80	4.8	F	F	Minor tree, Moderate canopy, slight decline	Remove
81-90	5.4	F	F	Minor tree, Moderate canopy, slight decline	Remove
91-100	6	F	F	Minor tree, Moderate canopy, slight decline	Remove

ISSUED FOR DRAFT REVIEW ONLY

NOT FOR CONSTRUCTION

3171 Lakeshore Rd W
OAKVILLE, ONTARIO

TREE INVENTORY PRESERVATION AND REMOVALS PLAN

File No. **TI-2**

Drawn By: DC
Plan Scale: as noted
Checked By: NM

Date: May 2017

Revision No. 1 Date: JULY 29, 2019 Issued / Revision: CC

Revision No. 2 Date: AUGUST 19, 2019 Issued FOR SPA: CC

Revision No. 1 Date: JULY 29, 2019 Issued FOR SPA: CC

PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE
MHBC

230-7630 VERNON ROAD WOODBRIDGE, ON L4L 6P7 | P: 905 761 5599 F: 905 761 5597 | WWW.MHBCPLAN.COM