Tree Inventory and Arborist Report

Subject Site:

1060 Sandalwood Pkwy W., Brampton ON, L7A 2Z

CASSIE CAMPBELL COMMUNITY CENTRE FIELD HOCKEY DOME

City File Number: PRE-2023-0128

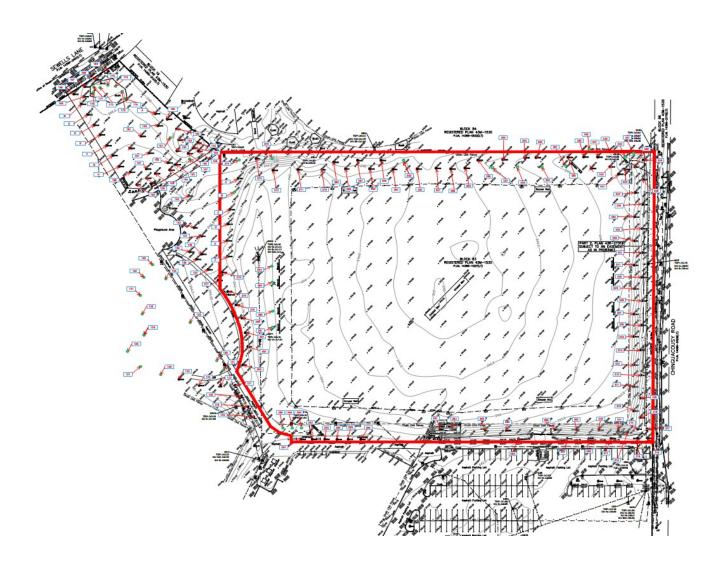
Prepared By:
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INTRODUCTION:

The following Tree Inventory and Arborist Report has been prepared for Landscape Planning Limited. Site location is 1060 Sandalwood Pkwy W., Brampton ON, L7A 2Z.



All trees on the property as outlined were tagged and inventoried and were measured at breast height (1.37m) within the property and beyond 6m. Information gathered was as follows:

- 1. Tag number
- 2. Species
- 3. Diameter at Breast Height (DBH)
- 4. Crown Radius
- 5. Health and structural condition rating
- 6. Reason for poor rating

Health Rating Table

Very Poor < 20%	Tree displays severe dieback of branches, canopy is extremely sparse. May exhibit extreme pathogen infestation or infection. Or tree is dead.
Poor >20% - <40%	Tree displays some dieback. Branches or canopy is sparse with little or no signs of new growth or vigor. Possible pathogen infestation or infection. Foliar canopy is sparse.
Average >40% - <60%	Tree is developing in a manner typical to others in the area. Canopy is full.
Good >60% - <80%	New growth is vigorous as evidenced by stem elongation and color. Canopy is dense.
Very Good >80% - 100%	In addition to the attributes of a good rating, tree is displaying extremely vigorous growth and trunk displays a pattern of vigor cracks or lines.

Structural Rating Table

Very Poor < 20%	Trunk has large pockets of decay, is bifurcated or has a severe lean. Limbs or branches are poorly attached or dead. Possible hazard.						
Poor >20% - <40%	nbs or branches are poorly attached or developed. Canopy is not symmetrical. nk has a lean.						
Average >40% - <60%	Trunk, limb, and branch development though flawed is typical of this species.						
Good >60% - <80%	Trunk is well developed with well attached limbs and branches; some flaws but are hardly visible.						
Very Good >80% - 100%	In addition to attributes of a good rating, the tree exhibits a well developed root flare and a balanced canopy.						

Factors assessed are as follows:

Trunk

- Cavities
- Mechanical Injury
- Cracks
- Swollen / Sunken Areas
- Insects / Diseases
- Fungi

Foliage / Buds

- Size of Foliage / Buds
- Foliage Colour
- Foliage Injury
- Dieback

Small Branches / Twigs

- Vigour / Growth Rates
- Distribution
- Appearance
- Insects / Disease
- Dieback

Scaffold Branches

Attachments / Included

Buds / Foliage

• Insects / Disease

Bark

- Taper
- Distribution
- Decay / Cavities
- Deadwood
- Insects / Disease

Roots

- Collar / Flare
- Mechanical Injury
- Girlding Roots
- Insects / Disease
- Decay / Fungi

Guidelines for Preservation:

1. Preserve, Protect & Maintain

Includes protection with tree preservation hoarding, as well as pre- and post-construction arboricultural works.

2. Preserve & Protect

Includes the installation of tree protection hoarding; no maintenance will be required unless stated otherwise.

3. Retain

No protection or maintenance measures are required. Installation of tree protection barriers is optional.

A total of 169 trees have been tagged and inventoried.



THE URBAN ARBORIST INC.

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July 22, 2024

Landscape Planning Limited 95 Mural St #207 Richmond Hill, ON. L4B 3G2

Re: 1060 Sandalwood Pkwy W., Brampton ON, L7A 2Z

City File Number: PRE-2023-0128

The Urban Arborist Inc attended the subject site on November 21, 2023 and May 3, 2024 to conduct a tree inventory and arborist report of all trees on the subject lot as outlined.

A total of 169 trees were tagged and inventoried. There are 60 trees to be removed and 109 trees to be preserved. See TREE INVENTORY, PRESERVATION & REMOVALS PLAN Drawing TP-1 by Landscape Planning Limited dated April 2024.

Using the City of Brampton Tableland Tree Assessment Guideline, a total of 23 replacement trees will be required to be planted on the site. Compensation for replacement trees with cash-in-lieu of planting will be under the discretion of the City of Brampton.

Attached is the referenced TREE INVENTORY, PRESERVATION & REMOVALS PLAN Drawing TP-1 by Landscape Planning Limited dated April 2024.

Prepared By:

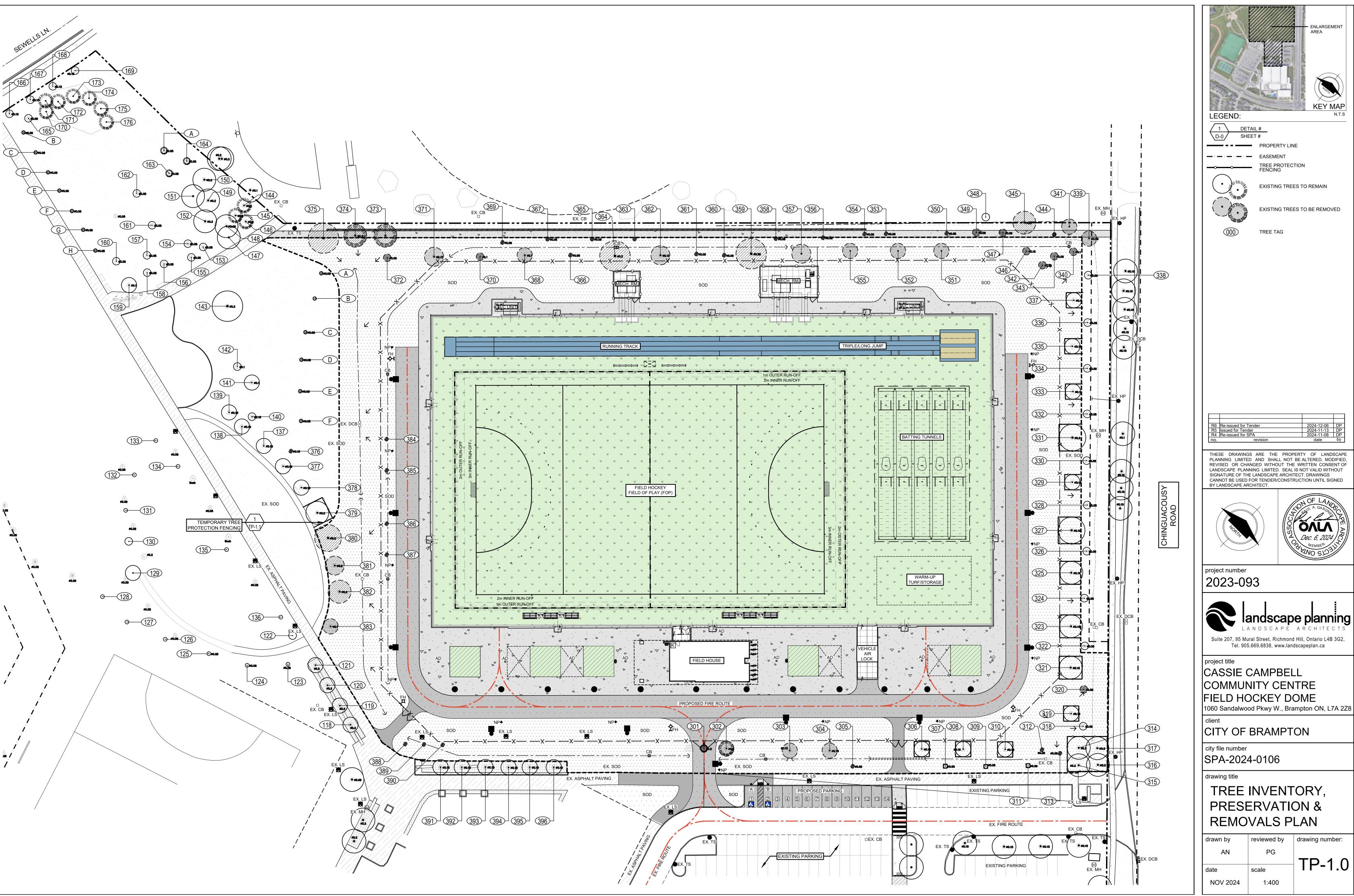
Robert Rafal Lis The Urban Arborist Inc. ISA Certified Arborist

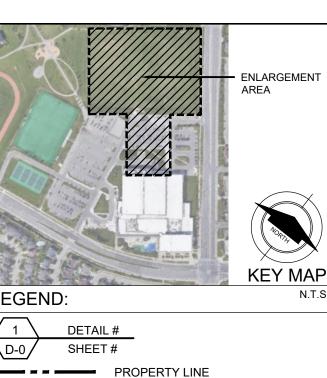
MTCU Qualified Arborist

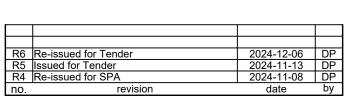
	Tree Inventory – 1050 Sandalwood Pkwy W, Brampton. ON L7A 0K9 - May 3 2024											
<u>Tag #</u>	Common Name	Botanical Name	Diameter at	Breast H :m)	eight	Health Condition	Structural Condition	Crown Radius (m)	<u>Notes</u>	Recommendations Based on Site Plan	Minimum TPZ (m)	Replacement Ratio
	Ornamental Pear	Pyrus calleryana	12			Fair	Fair	1	Suckers at base	Remove	dripline	1
	Ornamental Pear Red Maple	Pyrus calleryana Acer rubrum	15 12	\perp		Good Poor	Good Poor	2	Decay along trunk and severe die back in the crown.	Remove Remove	dripline dripline	1
		Acer rubrum	11		1	Good	Good	2	Decay along trunk and severe die back in the crown.	Remove	dripline	1
305	Northern Catalpa	Catalpa speciosa	5	\top		Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	-
306	Red Maple	Acer rubrum	11			Fair/Poor	Fair/Poor	2	Decay along trunk, some die back in crown.	Preserve & Protect	dripline	-
		Catalpa speciosa	5	\perp		Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	-
308	Red Maple Northern Catalpa	Acer rubrum Catalpa speciosa	11 5	+	-	Good Good	Good Good	2 0.5	Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	- :
		Acer rubrum	11	+		Fair	Fair	2	Trunk damage at main union, some deadwood throughout.	Preserve & Protect	dripline	-
311	Northern Catalpa	Catalpa speciosa	5			Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	-
		Acer rubrum	4	\perp	_	Dead Dead	Dead	0.5	Newly planted.	Remove		-
	Red Maple Red Maple	Acer rubrum Acer rubrum	16	+	-	Good	Dead Fair/Poor	0.5 3	Newly planted. Trunk damage on south side	Remove Preserve & Protect	dripline	-
		Acer rubrum	15	+		Fair	Fair	3	Train damage on countries	Preserve & Protect	dripline	-
		Acer rubrum	14			Fair	Fair	3		Preserve & Protect	dripline	-
		Acer rubrum	13			Fair	Fair	3		Preserve & Protect	dripline	-
	Horse Chestnut Hackberry	Aesculus hippocastanum Celtis occidentalis	5 15	++	-	Good Good	Good Good	2		Preserve & Protect Preserve & Protect	dripline dripline	-
		Aesculus hippocastanum	5		1	Good	Good	1	Newly planted.	Remove	dripline	-
		Quercus rubra	13		L	Good	Good	3	• •	Preserve & Protect	dripline	-
322	Horse Chestnut	Aesculus hippocastanum	5			Good	Good	1	Newly planted.	Preserve & Protect	dripline	-
		Celtis occidentalis	13 5	+	-	Good Good	Good Good	3	Newly planted	Preserve & Protect Preserve & Protect	dripline dripline	- :
	Horse Chestnut Hackberry	Aesculus hippocastanum Celtis occidentalis	14	+	\vdash	Good	Good	3	Minor deadwood at bottom.	Preserve & Protect Preserve & Protect	dripline	-
326	Horse Chestnut	Aesculus hippocastanum	5	+	t	Good	Good	1	Newly planted.	Preserve & Protect	dripline	-
327		Acer saccharinum	18			Good	Good	3.5	• •	Preserve & Protect	dripline	-
	Horse Chestnut	Aesculus hippocastanum	5 9			Good	Good	1 2	Newly planted.	Preserve & Protect	dripline	-
		Acer rubrum Aesculus hippocastanum	5	+		Good Good	Good Good	1	Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
	Red Oak	Quercus rubra	15	+		Good	Good	3.5	ivewly planted.	Preserve & Protect	dripline	-
	Horse Chestnut	Aesculus hippocastanum	5			Good	Good	1	Newly planted.	Preserve & Protect	dripline	-
		Acer rubrum	8			Fair	Fair/Poor	2	Some deadwood throughout, trunk decay at base.	Preserve & Protect	dripline	-
	Horse Chestnut	Aesculus hippocastanum Celtis occidentalis	5 12		_	Good Good	Good Good	2	Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
		Aesculus hippocastanum	5	+	-	Good	Good	1	Newly planted.	Preserve & Protect	dripline	
337	Red Maple	Acer rubrum	9			Good	Good	2	Minor deadwood.	Preserve & Protect	dripline	-
	Horse Chestnut	Aesculus hippocastanum	5			Good	Good	1	Newly planted.	Preserve & Protect	dripline	-
000		Acer rubrum	8	\bot	_	Fair	Fair	2	Moderate deadwood throughout. Some decay at base. Newly planted.	Remove	dripline dripline	-
340 341	Horse Chestnut Red Oak	Aesculus hippocastanum Quercus rubra	10	+	_	Good Good	Good Good	2	Newly planted.	Remove Remove	dripline	1
		Aesculus hippocastanum	5	+	1	Good	Good	1	Newly planted.	Remove	dripline	-
343	Eastern Redbud	Cercis canadensis	4			Dead	Dead	1	Newly planted.	Remove	-	-
		Larix laricina	3			Dead	Dead	0.5		Remove	-	-
345 346	Norway Maple Eastern Redbud	Acer platanoides Cercis canadensis	11 10	+		Good Dead	Good Dead	3	Along fence Newly planted.	Remove Remove	dripline	1
		Aesculus hippocastanum	5	+	1	Good	Good	1	Newly planted.	Remove	dripline	-
		Acer platanoides	5			Fair	Fair	1	On neighbour's lot.	Remove	dripline	-
		Aesculus hippocastanum	5			Good	Good	1	Newly planted.	Remove	dripline	-
350	Northern Catalpa	Catalpa speciosa	4	+	_	Good	Good	0.5		Remove	dripline	- 1
351	Hackberry Red Oak	Celtis occidentalis Quercus rubra	10 9	+	-	Good Fair	Good Fair/Poor	2	Canker on trunk, leaning slightly East.	Remove Remove	dripline dripline	1
	Northern Catalpa	Catalpa speciosa	5	+		Good	Good	0.5	Canker on bunk, realing signly Last.	Remove	dripline	-
354	Northern Catalpa	Catalpa speciosa	5			Good	Good	0.5		Remove	dripline	-
	Hackberry	Celtis occidentalis	10			Good	Good	2		Remove	dripline	1
	Northern Catalpa Hackberry	Catalpa speciosa Celtis occidentalis	5 10	++	-	Good Good	Good Good	0.5 2.5		Remove Remove	dripline dripline	- 1
	Northern Catalpa	Catalpa speciosa	5	+	\vdash	Good	Good	0.5		Remove	dripline	-
359	Silver Maple	Acer saccharinum	25	1	L	Good	Good	4		Remove	dripline	2
	Northern Catalpa	Catalpa speciosa	5			Good	Good	0.5		Remove	dripline	-
	Northern Catalpa Silver Maple	Catalpa speciosa Acer saccharinum	5 14	++	1	Good Fair	Good Poor	0.5 2.5	Decay on trunk from previous wound and contor	Remove Remove	dripline dripline	- 1
	Northern Catalpa	Catalpa speciosa	5	+	\vdash	Good	Good	0.5	Decay on trunk from previous wound and canker.	Remove Remove	dripline	-
	Silver Maple	Acer saccharinum	17	+	H	Good	Good	4		Remove	dripline	1
	Northern Catalpa	Catalpa speciosa	5		L	Good	Good	0.5		Remove	dripline	-
366	Hackberry	Celtis occidentalis	5	$+$ \Box	F	Good	Good	0.5		Remove	dripline	-
		Catalpa speciosa Acer rubrum	5 10	++	\vdash	Good Very Poor	Good Very Poor	0.5	Decay along trunk, significant deadwood.	Remove Remove	dripline -	1
	Northern Catalpa	Catalpa speciosa	5	+	\vdash	Good	Good	0.5	Decay along trunk, significant deadwood.	Remove	dripline	-
370	Hackberry	Celtis occidentalis	7		L	Good	Good	1		Remove	dripline	-
371		Quercus macrocarpa	13			Good	Good	2.5	Debris of neighbouring in tree in crown.	Remove	dripline	1
	Hackberry Silver Maple	Celtis occidentalis Acer saccharinum	5 15	+	\vdash	Fair Good	Fair Good	1 3		Remove Remove	dripline dripline	- 1
373 374	Silver Maple	Acer saccharinum Acer saccharinum	15	+	\vdash	Good	Good	3		Remove	dripline	1
375	Silver Maple	Acer saccharinum	24			Fair	Fair/Poor	4	Co-dominant unions, large trunk wound on west side and significant size surface roots visible.	Remove	dripline	2
	White Spruce	Picea Abies	H: 200cm			Fair	Fair	0.5	Newly planted. Minor deadwood.	Preserve & Protect	dripline	-
	White Spruce	Picea Abies	H: 200cm	\Box		Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	-
	White Spruce White Spruce	Picea Abies Picea Abies	H: 200cm H: 200cm	++	-	Poor Good	Fair Good	0.5 0.5	Newly planted. Chlorotic, tip die back. Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
	White Spruce	Picea Abies	H: 200cm	+	\vdash	Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	-
		Picea Abies	H: 200cm			Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	-
F	White Spruce European Beech	Fagus sylvatica	6			Very Poor	Very Poor	0.5	Major die back and deadwood.	Preserve & Protect	dripline	

378	D 111 1		100	_								
378	Red Maple	Acer rubrum	12			Fair	Fair	2	Some crown die back.	Preserve & Protect	dripline	-
370	Red Maple	Acer rubrum	10			Good	Good	2		Preserve & Protect	dripline	-
010	Red Maple	Acer rubrum	17			Good	Good	3		Preserve & Protect	dripline	-
380	Red Maple	Acer rubrum	19			Good	Good	3.5		Remove	dripline	1
381	Red Maple	Acer rubrum	13	1	П	Good	Good	2.5		Remove	dripline	1
382	Red Maple	Acer rubrum	15			Good	Good	3		Remove	dripline	1
383	Red Maple	Acer rubrum	7	-		Dead/Dying	Dead/Dying	2		Remove		-
	Triumph Elm	Ulmus 'Morton glossy'	5	_	\vdash	Good	Good	0.5		Remove	dripline	
205	Triumph Elm	Ulmus 'Morton glossy'	5	+	\vdash	Good	Good	0.5		Remove	dripline	
			5	-	Н-			0.5				
	Triumph Elm	Ulmus 'Morton glossy'			ш_	Good	Good			Remove	dripline	-
387	Triumph Elm	Ulmus 'Morton glossy'	5			Good	Good	0.5		Remove	dripline	
388	Eastern Redbud	Cercis canadensis	4			Dead	Dead	0.5		Remove	dripline	
389	Eastern Redbud	Cercis canadensis	4			Dead	Dead	0.5		Remove	dripline	-
390	Eastern Redbud	Cercis canadensis	4			Poor	Poor	0.5	Significant deadwood.	Remove	dripline	
391	Red Maple	Acer rubrum	11	_		Good	Good	2	v .	Preserve & Protect	dripline	
	Red Maple	Acer rubrum	12	_	\vdash	Fair	Poor	2	Canker and decay on trunk.	Preserve & Protect	dripline	
393		Acer rubrum	9	_	-	Fair	Fair	2	Caritor and accay on tarin.	Preserve & Protect	dripline	
393	Red Maple	Acer rubrum	11	_	-	Fair	Poor	2	Canker and decay on trunk.	Preserve & Protect	dripline	
394	Red Maple	Acer rubrum	15	_	-	Fair	Fair	2	Caliker and decay on tidik.	Preserve & Protect	dripline	
395	Red Maple			_	Н.							-
396	Red Maple	Acer rubrum	12		ш_	Fair	Fair	2		Preserve & Protect	dripline	-
	Additional Inventor	y - May 6, 2024										
118	Red Maple	Acer rubrum	12			Fair	Fair	2		Preserve & Protect	dripline	
119	Red Maple	Acer rubrum	12	_		Fair	Fair	2		Preserve & Protect	dripline	
	Red Maple	Acer rubrum	12	_	\vdash	Fair	Fair	2		Preserve & Protect	dripline	
120	Red Maple	Acer rubrum	12	_	+	Fair	Fair	2		Preserve & Protect	dripline	-
				_	\vdash			_				-
122	Red Maple	Acer rubrum	8	_	\vdash	Dead	Dead	1		Preserve & Protect	dripline	-
123	Red Maple	Acer rubrum	5			Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	-
	Red Maple	Acer rubrum	5		Щ	Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	-
125	Red Maple	Acer rubrum	5	T	П	Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	
126	Red Maple	Acer rubrum	5	1	П	Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	
127	Red Maple	Acer rubrum	5	_	_	Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	-
120	Red Maple	Acer rubrum	5	_	+	Good	Good	0.5	Newly planted.	Preserve & Protect	dripline	
120	Red Maple	Acer rubrum	13	_	н-	Good	Good	2	nomy plantou.	Preserve & Protect	dripline	
129	Red Maple	Acer rubrum	5	+	+	Fair	Poor	1	Bent over	Preserve & Protect	dripline	
130	Red Maple		5		Н.	Poor	Fair			Preserve & Protect		•
	Red Maple	Acer rubrum						0.5	Crown die back.		dripline	-
132	Red Maple	Acer rubrum	5			Good	Good	0.5		Preserve & Protect	dripline	-
	Red Maple	Acer rubrum	5			Good	Good	0.5		Preserve & Protect	dripline	-
134	Northern Catalpa	Catalpa speciosa	6			Good	Good	0.5		Preserve & Protect	dripline	-
135	Northern Catalpa	Catalpa speciosa	6	1	H	Good	Good	0.5		Preserve & Protect	dripline	
	Northern Catalpa	Catalpa speciosa	6	+-	\vdash	Good	Good	0.5		Preserve & Protect	dripline	
100	Red Maple	Acer rubrum	12	_	-	Poor	Poor	2	Crown die back	Preserve & Protect	dripline	
				_	-							
	Red Maple	Acer rubrum	10			Poor	Poor	2	Crown die back.	Preserve & Protect	dripline	•
	Red Oak	Quercus rubra	10			Fair	Fair	2	Crown die back.	Preserve & Protect	dripline	-
	European Hornbeam	Carpinus betulus	10			Good	Good	1		Preserve & Protect	dripline	-
141	Red Oak	Quercus rubra	10			Fair/Poor	Fair/Poor	2	Significant deadwood and broken branches.	Preserve & Protect	dripline	
142	Red Maple	Acer rubrum	10		П	Dead/Dying	Dead/Dying	1		Preserve & Protect	dripline	
1/13	Red Maple	Acer rubrum	16	_	\vdash	Good	Good	4		Preserve & Protect	dripline	
144	Colorado Spruce	Picea pungens	14	_	-	Fair	Fair	2		Preserve & Protect	dripline	
144	Colorado Spruce	Picea pungens	16	_	н-	Fair	Fair	2		Preserve & Protect	dripline	
145	Colorado Spruce			_	Н-	Fair	Fair	2		Preserve & Protect		
146	Colorado Spruce	Diego numana			ш_		raii	3			deinline	
		Picea pungens	15	_							dripline	-
147	Hackberry	Celtis occidentalis	15 11			Good	Good			Preserve & Protect	dripline	
148	Hackberry	Celtis occidentalis Celtis occidentalis	15 11 15			Good	Good	3		Preserve & Protect Preserve & Protect		
148	Hackberry Hackberry Hackberry	Celtis occidentalis	15 11							Preserve & Protect	dripline	-
148 149	Hackberry Hackberry	Celtis occidentalis Celtis occidentalis Celtis occidentalis	15 11 15			Good	Good	3		Preserve & Protect Preserve & Protect	dripline dripline dripline	-
148 149 150	Hackberry Hackberry Hackberry	Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis	15 11 15 13 13			Good Good Good	Good Good Good	3		Preserve & Protect	dripline dripline dripline dripline	-
148 149 150 151	Hackberry Hackberry Hackberry Hackberry	Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis	15 11 15 13 13			Good Good Good Good	Good Good Good Good	3 3 3 3		Preserve & Protect	dripline dripline dripline dripline dripline	-
148 149 150 151 152	Hackberry Hackberry Hackberry Hackberry Austrian Pine	Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Pinus nigra	15 11 15 13 13 12 11			Good Good Good Good Good	Good Good Good Good Good	3 3 3 3 3	Recently planted	Preserve & Protect	dripline dripline dripline dripline dripline dripline dripline dripline	
148 149 150 151 152 153	Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud	Celtis occidentalis	15 11 15 13 13 12 11 4			Good Good Good Good Good Good	Good Good Good Good Good Good	3 3 3 3 3	Recently planted	Preserve & Protect	dripline dripline dripline dripline dripline dripline dripline dripline dripline	-
148 149 150 151 152 153 154	Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Redbud	Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Pinus nigra Cercis canadensis Cercis canadensis	15 11 15 13 13 12 11 4			Good Good Good Good Good Good Good	Good Good Good Good Good Good Good	3 3 3 3 3 1	Recently planted	Preserve & Protect	dripline	-
148 149 150 151 152 153 154 155	Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Redbud Redbud	Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Celtis occidentalis Pinus nigra Cercis canadensis Cercis canadensis Cercis canadensis	15 11 15 13 13 12 11 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1	Recently planted Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156	Hackberry Hackberry Hackberry Hackberry Hackberry Redbud Redbud Redbud Redbud Redbud	Celtis occidentalis Pinus nigra Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis	15 11 15 13 13 12 11 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1	Recently planted Recently planted Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud Redbud Redbud Redbud Redbud Redbud	Celtis occidentalis Pirus nigra Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis	15 11 15 13 13 12 11 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1	Recently planted Recently planted Recently planted Recently planted	Preserve & Protect	dripline	-
148 149 150 151 152 153 154 155 156 157	Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Redbud Redbud Redbud Redbud Redbud Redbud Redbud	Cetis occidentalis Pinus nigra Cercis canadensis	15 11 15 13 13 12 11 4 4 4 4 4 4 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1 1 1	Recently planted Recently planted Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud	Celtis occidentalis Certis canadentalis Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis	15 11 15 13 13 12 11 4 4 4 4 4 4 9			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1	Recently planted Recently planted Recently planted Recently planted Recently planted Recently planted	Preserve & Protect	dripline	-
148 149 150 151 152 153 154 155 156 157 158	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud	Cetis occidentalis Pinus nigra Cercis canadensis	15 11 15 13 13 12 11 4 4 4 4 4 4 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1 1 1	Recently planted Recently planted Recently planted Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 159	Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud	Cetis occidentalis Pinus nigra Cercis canadensis	15 11 15 13 13 12 11 4 4 4 4 4 4 9			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 159 160	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud	Celtis occidentalis Cercis canadensis	15 11 15 13 13 12 11 14 4 4 4 4 4 4 4 9 5			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 160 161 162	Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud	Cettis occidentalis Pinus nigra Cercis canadensis Sercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis Selection della control	15 11 15 13 13 12 11 4 4 4 4 4 4 4 9 5 3 3			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1 1 1 1 1 1 2	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud White Willow White Willow White Willow	Celtis occidentalis Cercis canadensis Selva iba Salix alba Finus strobus	15 11 15 13 13 12 11 4 4 4 4 4 4 9 5 3 3 3			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud Redbud Redbud Redbud Redbud Redbud Redbud Redbud Redbud White Willow White Willow White Pine	Celtis occidentalis Certis canadensis Cercis canaden	15 11 15 13 13 13 12 11 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 2 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165	Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Redbud Redbud Redbud Redbud Redbud Redbud Redbud Redbud White Willow White Willow White Pine White Pine Redbud	Celtis occidentalis Pinus nigra Cercis canadensis Percis canadensis Augustus rubra Salix alba Salix alba Pinus strobus Pinus strobus Pinus strobus Cercis canadensis	15 11 11 15 13 13 12 11 14 4 4 4 4 4 4 4 9 5 5 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 165	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud White Willow White Willow White Pine White Pine Redbud Ornamental Pear	Celtis occidentalis Certis canadensis Cercis canadensis Paris Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis Diercus rubra Salix alba Salix alba Salix alba Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis Cercis canadensis	15 11 15 13 13 12 11 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 2 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Redbud Redbud Redbud Redbud Redbud Redbud Redbud Redbud White Willow White Pine White Pine White Pine Comamental Pear	Cetis occidentalis Pinus nigra Cercis canadensis Percis canadensis Cercis canadensis Cercis canadensis Pinus strobus Pinus strobus Cercis canadensis Cercis canadensis Pinus strobus Pinus strobus Cercis canadensis Pyrus calleryana	15 115 115 113 113 113 112 111 14 4 4 4 4 4 4 4 4 4 5 3 3 3 3 3 4 4 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud Red Oak White Willow White Pine White Pine Ornamental Pear Ornamental Pear	Cetis occidentalis Pinus nigra Cercis canadensis Percis canadensis Cercis canadensis Cercis canadensis Pinus strobus Pinus strobus Cercis canadensis Cercis canadensis Pinus strobus Pinus strobus Cercis canadensis Pyrus calleryana	15 11 15 13 13 12 11 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud Red Oak White Willow White Pine White Pine Ornamental Pear Ornamental Pear	Celtis occidentalis Pinus nigra Cercis canadensis Percis canadensis Cercis canadensis Pinus strobus Cercis canadensis Pyrus calleryana Pyrus calleryana Pyrus calleryana	15 115 115 113 113 113 112 111 14 4 4 4 4 4 4 4 4 4 5 3 3 3 3 3 4 4 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167	Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Red Oak Red Oak White Willow White Pine White Pine Redbud Ornamental Pear Ornamental Pear	Cetis occidentalis Pinus nigra Cercis canadensis Cuercus rubra Salix alba Salix alba Pinus strobus Pinus strobus Cercis canadensis Pyrus calleryana Pyrus calleryana Pyrus calleryana	15 11 11 15 13 13 12 11 4 4 4 4 4 4 4 4 4 4 4 4 4 4 7 5 5 10 10 10 10 10 10 10 10 10 10 10 10 10			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	- - - - - - - - - - - - - - - - - - -
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud Remout Redbud Red Oak Red Oak Red Oak Red Oak Red Oak	Celtis occidentalis Pinus nigra Cercis canadensis Pinus atrobus Pinus strobus Pinus strobus Pinus strobus Pinus strobus Pinus atrobus Pinus canadensis Pyrus calleryana Pyrus calleryana Pyrus calleryana Pyrus calleryana Pyrus calleryana Pyrus calleryana	15 11 11 15 13 12 11 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Red Oak Red Oak Red Oak White Willow White Pine White Pine Redbud Ornamental Pear Ornamental Pear Ornamental Pear Ornamental Pear Ornamental Pear Ornamental Pear Colorado Spruce Norway Spruce	Celtis occidentalis Pinus nigra Cercis canadensis Cuercus rubra Salix alba Salix alba Salix alba Pinus strobus Pinus strobus Cercis canadensis Pyrus calleryana Pyrus calleryana Pyrus calleryana Pica pungens Picca apines	15 11 15 13 13 12 11 4 4 4 4 4 4 4 4 4 5 5 3 3 3 3 3 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	- - - - - - - - - - - - - - - - - - -
148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 169 170	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud Onamental Pear Ornamental Pear	Celtis occidentalis Pinus nigra Cercis canadensis Pinus atrobus Pinus strobus Pinus strobus Pinus strobus Pinus strobus Pinus atrobus Pinus atleryana Pyrus calleryana Pyrus calleryana Pyrus calleryana Pica pungens Pica ables Picoa ables	15 11 15 13 12 11 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	- - - - - - - - - - - - - - - - - - -
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173	Hackberry Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Onamental Pear Ornamental Pear	Celtis occidentalis Celtis occidentalis Celtis cocidentalis Celtis cocidentalis Celtis cocidentalis Celtis cocidentalis Celtis cocidentalis Celtis cocidentalis Pirus riigra Cercis canadensis Cuercis rubra Salix alba Salix alba Salix alba Pirus strobus Pirus schoba Pirus strobus Cercis canadensis Pirus calleryana Pyrus calleryana Pyrus calleryana Pyrus calleryana Pirus calleryana Pirus calleryana Pirus calleryana Pirus calleryana Pirus calleryana Piros pungens Picos abies Picos pungens	15 11 11 15 13 12 11 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5 5 10 10 10 10 10 10 10 10 10 10 10 10 10			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 169 170 171 171 172	Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Red Oak Red Oak White Willow White Pine Redbud Ornamental Pear Ornamental Pear Ornamental Pear Colorado Spruce Norway Spruce Norway Spruce Colorado Spruce Norway Spruce Colorado Spruce Norway Spruce Norway Spruce Norway Spruce Norway Spruce Norway Spruce Colorado Spruce Norway Spruce	Celtis occidentalis Pinus nigra Cercis canadensis Percis canadensis Cercis canadensis Cercis canadensis Pinus strobus Cercis canadensis Pinus strobus Pinus strobus Pinus strobus Cercis canadensis Pyrus calleryana Pyrus calleryana Pyrus calleryana Picas abies Picea pungens	15 11 15 13 12 11 4 4 4 4 4 4 4 4 5 5 3 3 3 3 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted Thinning, recently planted. Thinning, recently planted.	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Hackberry Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Red Oak Red Oak Red Oak Red Oak Red Oak Oak Red Oak Oak Red Oak Oak Red Oak Oak Oak Oak Colad Oak	Celtis occidentalis Certis canadensis Cercis canadensis Cuercis rubra Calicia Cercis canadensis Pirus scalienyana Pirus calicia Pirus calici	15 11 11 15 13 12 11 4 4 4 4 4 4 4 4 4 4 5 5 3 3 3 3 4 4 5 10 10 10 10 10 10 10 10 10 10 10 10 10			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Hackberry Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Red Oak Red Oak Red Oak Red Oak Red Oak Oak Red Oak Oak Red Oak Oak Red Oak Oak Oak Oak Colad Oak	Celtis occidentalis Pinus nigra Cercis canadensis Percis canadensis Cercis canadensis Cercis canadensis Pinus strobus Cercis canadensis Pinus strobus Pinus strobus Pinus strobus Cercis canadensis Pyrus calleryana Pyrus calleryana Pyrus calleryana Picas abies Picea pungens	15 11 15 13 12 11 4 4 4 4 4 4 4 4 5 5 3 3 3 3 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted Thinning, recently planted. Thinning, recently planted.	Preserve & Protect	dripline	- - - - - - - - - - - - - - - - - - -
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 166 167 168 169 170 171 172 173 174 175	Hackberry Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Onamental Pear Ornamental Pear Ornamental Pear Ornamental Pear Colorado Spruce Norway Spruce White Spruce	Celtis occidentalis Pinus nigra Cercis canadensis Cuercus rubra Salix alba Salix alba Pinus strobus Pinus strobus Cercis canadensis Pinus acrobus Pinus aleroyana Pyrus calleryana Pyrus calleryana Pica pungens Picea abies Picea abies Picea abies Picea plauca Picea plauca Picea plauca	15 11 11 15 13 12 11 4 4 4 4 4 4 4 4 4 4 5 5 3 3 3 3 4 4 5 10 10 10 10 10 10 10 10 10 10 10 10 10			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted Thinning, recently planted. Thinning, recently planted.	Preserve & Protect	dripline	- - - - - - - - - - - - - - - - - - -
148 149 150 151 152 153 154 155 156 157 158 160 161 161 162 163 164 167 171 172 173 174 175 176 A	Hackberry Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Onamental Pear Omamental Pear	Celtis occidentalis Pinus nigra Cercis canadensis Pinus strobus Pinus alleryana Pyrus calleryana Pyrus calleryana Pirus calleryana Pirus calleryana Pirus calleryana Pica pungens Pica pu	15 11 15 13 12 11 4 4 4 4 4 4 4 4 4 4 4 5 5 3 3 3 4 4 5 10 11 12 11 11 4 4 4 4 4 4 1 1 1 1 1 1 1 1			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted Thinning, recently planted. Thinning, recently planted.	Preserve & Protect	dripline	- - - - - - - - - - - - - - - - - - -
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 170 171 172 173 174 A B	Hackberry Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Onamental Pear Ornamental Pear Ornamental Pear Ornamental Pear Ornamental Pear Ornamental Pear Colorado Spruce Norway Spruce Norway Spruce Norway Spruce White Spruce White Spruce White Spruce Morway Spruce	Celtis occidentalis Pinus nigra Cercis canadensis Cuercus rubra Salix alba Salix alba Salix alba Pinus strobus Pinus atrobus Cercis canadensis Pyrus calleryana Pyrus calleryana Pyrus calleryana Picas pungens Picas ables Picas ables Picas plauca Picas piauca Pinus nigra Picas plauca Pinus nigra Picos ables Picas plauca Pinus nigra Picos ables	15 11 11 15 13 12 11 4 4 4 4 4 4 4 4 4 4 5 5 10 10 11 11 11 4 4 4 4 4 4 4 4 1 1 1 1			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted Thinning, recently planted. Thinning, recently planted.	Preserve & Protect	dripline	- - - - - - - - - - - - - - - - - - -
148 149 150 151 151 152 153 154 155 156 157 158 159 161 162 163 164 165 167 171 172 173 174 175 176 A B	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud Redow Redbud Red Oak White Willow White Pine Redbud Ornamental Pear	Celtis occidentalis Pinus nigra Cercis canadensis Pinus strobus Pinus strobus Pinus strobus Cercis canadensis Pyrus calleryana Pyrus calleryana Pyrus calleryana Pyrus calleryana Pyrus calleryana Pirus ables Picea pungens Picea pungens Picea paluca Picea piauca Pinus nigra Picea ables	15 15 11 15 11 15 12 11 14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted Thinning, recently planted. Thinning, recently planted.	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 167 168 169 170 171 172 173 174 174 175 176 A B C D	Hackberry Hackberry Hackberry Hackberry Hackberry Austrian Pine Redbud Onamental Pear Ornamental Pear Ornamental Pear Ornamental Pear Colorado Spruce Norway Spruce Norway Spruce Norway Spruce Norway Spruce White Spruce White Spruce White Spruce Austrian Pine Norway Spruce	Celtis occidentalis Pinus nigra Cercis canadensis Cuercus rubra Salix alba Salix alba Salix alba Salix alba Pinus strobus Cercis canadensis Pinus arbobus Cercis canadensis Pinus alleryana Pyrus calleryana Pyrus calleryana Pyrus calleryana Pica pungens Pica ables Pica ables Pica palguca Pica glauca Pica ables	15 15 11 15 13 12 15 14 4 4 4 4 4 4 4 4 4 4 4 4 4 5 5 3 3 3 4 4 4 5 5 10 12 14 14 15 15 14 14 17 17 15 14 14 17 17 15 14 14 17 17 15 14 11 11 11 11 11 11 11 11 11 11 11 11			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted Thinning, recently planted. Thinning, recently planted.	Preserve & Protect	dripline	
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 167 171 172 173 174 175 A B B C D E	Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Hackberry Redbud Redow Redbud Red Oak White Willow White Pine Redbud Ornamental Pear	Celtis occidentalis Pinus nigra Cercis canadensis Pinus strobus Pinus strobus Pinus strobus Cercis canadensis Pyrus calleryana Pyrus calleryana Pyrus calleryana Pyrus calleryana Pyrus calleryana Pirus ables Picea pungens Picea pungens Picea paluca Picea piauca Pinus nigra Picea ables	15 15 11 15 11 15 12 11 14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Good Good Good Good Good Good Good Good	Good Good Good Good Good Good Good Good	3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recently planted Thinning, recently planted. Thinning, recently planted.	Preserve & Protect	dripline	

								Total Replacement Trees Req	uired =	23
Н	Norway Spruce	Picea abies	H: 200cm		Fair	Fair	0.5	Preserve & Protect	dripline	-
G	Norway Spruce	Picea abies	H: 200cm		Fair	Fair	0.5	Preserve & Protect	dripline	-







THESE DRAWINGS ARE THE PROPERTY OF LANDSCAPE PLANNING LIMITED AND SHALL NOT BE ALTERED, MODIFIED, REVISED OR CHANGED WITHOUT THE WRITTEN CONSENT OF LANDSCAPE PLANNING LIMITED. SEAL IS NOT VALID WITHOUT SIGNATURE OF THE LANDSCAPE ARCHITECT. DRAWINGS CANNOT BE USED FOR TENDER/CONSTRUCTION UNTIL SIGNED BY LANDSCAPE ARCHITECT.





Tel. 905.669.6838, www.landscapeplan.ca

COMMUNITY CENTRE

TREE INVENTORY, PRESERVATION &

drawn by	reviewed by	drawing number:
AN	PG	
		TD 1 0
date	scale	17-1.0
NOV 2024	1:400	

TOTAL # OF TREES INVENTORIED = 169

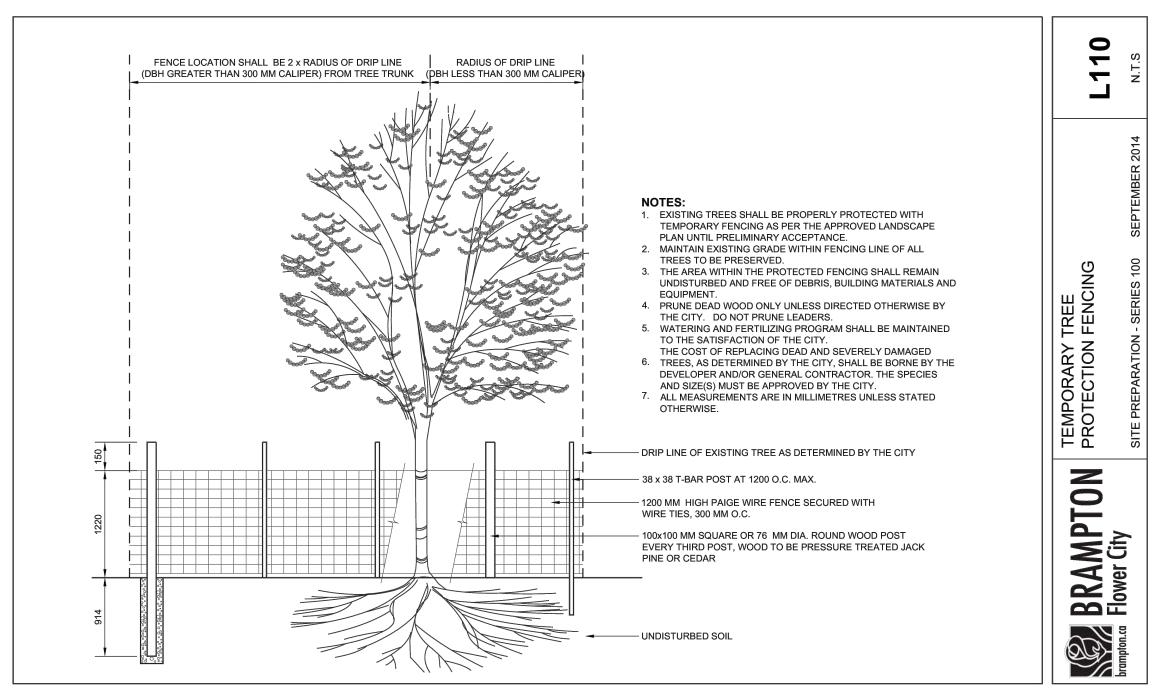
TOTAL # OF TREES TO BE REMOVED = 60

TOTAL # OF TREES TO BE INJURED = 0

TOTAL # OF TREES REQUIRED FOR COMPENSATION = 23

TOTAL # OF PROPOSED TREES = 65 (0 R.O.W. TREES, 65 PRIVATE TREES)

ALL PRUNING OF ROOTS AND BRANCHES SHALL BE CONDUCTED BY AN ISA CERTIFIED ARBORIST OR EQUIVALENT, OR UNDER SUPERVISION OF AN ISA CERTIFIED ARBORIST AND SHALL BE IN ACCORDANCE WITH GOOD ARBORICULTURAL STANDARDS AND PRACTICES. REFER TO ARBORIST REPORT PREPARED BY THE URBAN ARBORIST INC. DATED JULY 22, 2024.



TEMPORARY TREE PROTECTION FENCING

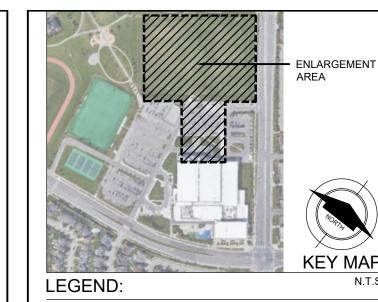
N.T.S.

GENERAL NOTES:

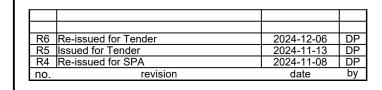
1. CONTRACTOR SHALL BE REQUIRED TO HAVE A FLAGMAN DIRECTING ALL DELIVERIES OF MACHINERY OR MATERIALS TO THE SITE.

- 2. CONTRACTOR SHALL PROTECT ALL IRON BARS. ANY DISTURBED BARS SHALL BE REPLACED BY OWNER AT CONTRACTOR'S EXPENSE.
- 3. CONTRACTOR SHALL REVIEW AND VERIFY SITE GRADES AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT. COMMENCEMENT OF GRADING SHALL CONSTITUTE ACCEPTANCE OF SITE CONDITIONS; NO CLAIMS FOR EXTRAS WILL BE ENTERTAINED THEREAFTER.
- 4. STORAGE OF MATERIALS, VEHICLES AND EQUIPMENT SHALL NOT BE PERMITTED WITHIN THE MUNICIPAL ROAD ALLOWANCE.
- 5. CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN ROADS DAILY TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.
- 6. SITE SHALL BE MAINTAINED IN A CLEAN AND ORDERLY STATE FOR THE DURATION OF CONSTRUCTION; ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT.
- 7. ALL TEMPORARY PROTECTIVE & SEDIMENT CONTROL FENCING SHALL BE MAINTAINED BY THE CONTRACTOR TO THE SATISFACTION OF THE L.A. FOR THE DURATION OF CONSTRUCTION.
- 8. CONTRACTOR SHALL SUPPLY & INSTALL FILTER FABRIC PROTECTION ON ALL EXISTING CATCH BASINS, WATER METER CHAMBERS, AND UTILITIES.
- 9. CONTRACTOR SHALL REPAIR AT HIS COST ANY DAMAGE ARISING DURING CONSTRUCTION.
- 10. ALL EXISTING VEGETATION TO BE RETAINED SHALL BE PROTECTED BY THE GENERAL CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- 11. ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE FOR REFERENCE PURPOSES ONLY. THE GENERAL CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES FOR UTILITY STAKEOUT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED TO EXISTING UTILITIES DURING CONSTRUCTION.
- 12. ALL CONSTRUCTION TO BE CARRIED OUT IN ACCORDANCE WITH THE MOST CURRENT PROVINCIAL AND MUNICIPAL STANDARDS AND SPECIFICATIONS.
- 13. THE CONDITION OF CURBS, SIDEWALKS, STREET TREES AND UTILITIES LOCATED WITHIN THE R.O.W. SHALL BE REVIEWED AND DOCUMENTED BETWEEN ALL PARTIES PRIOR TO THE START OF CONSTRUCTION.
- 14. DUST CONTROL: CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO CONTROL DUST ON THIS PROJECT SITE ON A DAILY BASIS AND TO THE SATISFACTION OF THE CONSULTANT.

#	Common Name	Botanical Name		Breast Height cm)	Health Condition	Structural Condition	n Crown Radius (m)	<u>Notes</u>	Recommendations Based on Site Plan	Minimum TPZ (m)	Replace Ratio
	Ornamental Pear Ornamental Pear	Pyrus calleryana Pyrus calleryana	12 15		Fair Good	Fair Good	1 2	Suckers at base	Remove Remove	dripline dripline	1
.	Red Maple Red Maple	Acer rubrum Acer rubrum	12 11		Poor Good	Poor Good	2 2	Decay along trunk and severe die back in the crown.	Remove Remove	dripline dripline	1
i I	Northern Catalpa Red Maple Northern Catalpa	Catalpa speciosa Acer rubrum Catalpa speciosa	5 11 5		Good Fair/Poor Good	Good Fair/Poor Good	0.5 2 0.5	Newly planted. Decay along trunk, some die back in crown. Newly planted.	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
F	Red Maple Northern Catalpa	Acer rubrum Catalpa speciosa Catalpa speciosa	11 5		Good Good	Good Good	2 0.5	Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
ı	Red Maple Northern Catalpa	Acer rubrum Catalpa speciosa	11 5		Fair Good	Fair Good	2 0.5	Trunk damage at main union, some deadwood throughout. Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
F	Red Maple Red Maple	Acer rubrum Acer rubrum	4		Dead Dead	Dead Dead	0.5 0.5	Newly planted. Newly planted.	Remove Remove	- -	-
i I	Red Maple Red Maple Red Maple	Acer rubrum Acer rubrum Acer rubrum	16 15 14		Good Fair Fair	Fair/Poor Fair Fair	3 3	Trunk damage on south side	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
·	Red Maple Horse Chestnut	Acer rubrum Aesculus hippocastanum	13		Fair Good	Fair	3		Preserve & Protect Preserve & Protect	dripline dripline	-
ı	Hackberry Horse Chestnut	Celtis occidentalis Aesculus hippocastanum	15 5		Good Good	Good Good	2	Newly planted.	Preserve & Protect Remove	dripline dripline	-
1	Red Oak Horse Chestnut	Quercus rubra Aesculus hippocastanum	13 5		Good Good	Good Good	3	Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
.	Hackberry Horse Chestnut Hackberry	Celtis occidentalis Aesculus hippocastanum Celtis occidentalis	13 5 14		Good Good Good	Good Good Good	3 1 3	Newly planted. Minor deadwood at bottom.	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
1	Horse Chestnut Silver Maple	Aesculus hippocastanum Acer saccharinum	5		Good Good	Good Good	1 3.5	Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
ı	Horse Chestnut Red Maple	Aesculus hippocastanum Acer rubrum	5 9		Good Good	Good Good	1 2	Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
F	Horse Chestnut Red Oak	Aesculus hippocastanum Quercus rubra	5 15		Good Good	Good Good	1 3.5	Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
	Horse Chestnut Red Maple Horse Chestnut	Aesculus hippocastanum Acer rubrum Aesculus hippocastanum	8 5		Good Fair Good	Good Fair/Poor Good	1 2	Newly planted. Some deadwood throughout, trunk decay at base. Newly planted.	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
i	Hackberry Horse Chestnut	Celtis occidentalis Aesculus hippocastanum	12 5		Good Good	Good Good	2	Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
ı	Red Maple Horse Chestnut	Acer rubrum Aesculus hippocastanum	9 5		Good Good	Good Good	2 1	Minor deadwood. Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
ı	Red Maple Horse Chestnut Red Oak	Acer rubrum Aesculus hippocastanum Quercus rubra	8 5 10		Fair Good Good	Fair Good Good	1 2	Moderate deadwood throughout. Some decay at base. Newly planted.	Remove Remove Remove	dripline dripline dripline	- - 1
1	Horse Chestnut Eastern Redbud	Aesculus hippocastanum Cercis canadensis	5		Good Good Dead	Good Good Dead	1 1	Newly planted. Newly planted.	Remove Remove	dripline	-
1	Tamarack Norway Maple	Larix laricina Acer platanoides	3		Dead Good	Dead Good	0.5	Along fence	Remove Remove	- dripline	- 1
·	Eastern Redbud Horse Chestnut	Cercis canadensis Aesculus hippocastanum	10 5		Dead Good	Dead Good	1 1	Newly planted. Newly planted.	Remove Remove	dripline	1
ı	Norway Maple Horse Chestnut Northern Catalpa	Acer platanoides Aesculus hippocastanum Catalpa speciosa	5 5 4		Fair Good Good	Fair Good Good	1 1 0.5	On neighbour's lot. Newly planted.	Remove Remove Remove	dripline dripline dripline	-
I	Nortnern Catalpa Hackberry Red Oak	Cataipa speciosa Celtis occidentalis Quercus rubra	10		Good Good Fair	Good Good Fair/Poor	2 2	Canker on trunk, leaning slightly East.	Remove Remove	dripline dripline dripline	1
1 .	Northern Catalpa Northern Catalpa	Catalpa speciosa Catalpa speciosa	5 5		Good Good	Good Good	0.5 0.5	. 0 0 ,	Remove Remove	dripline dripline	-
1	Hackberry Northern Catalpa	Celtis occidentalis Catalpa speciosa Celtis occidentalis	10 5		Good Good	Good Good Good	2 0.5 2.5		Remove Remove	dripline dripline	- 1
1	Hackberry Northern Catalpa Silver Maple	Celtis occidentalis Catalpa speciosa Acer saccharinum	10 5 25		Good Good Good	Good Good Good	2.5 0.5 4		Remove Remove Remove	dripline dripline dripline	1
1	Northern Catalpa Northern Catalpa	Catalpa speciosa Catalpa speciosa	5 5		Good Good	Good Good	0.5 0.5		Remove Remove	dripline dripline	-
: :	Silver Maple Northern Catalpa	Acer saccharinum Catalpa speciosa	14		Fair Good	Poor Good	2.5 0.5	Decay on trunk from previous wound and canker.	Remove Remove	dripline dripline	1
1	Silver Maple Northern Catalpa	Acer saccharinum Catalpa speciosa Celtis occidentalis	17 5 5		Good Good Good	Good Good Good	0.5 0.5		Remove Remove	dripline dripline dripline	-
1	Hackberry Northern Catalpa Red Maple	Celtis occidentalis Catalpa speciosa Acer rubrum	5 5 10		Good Good Very Poor	Good Good Very Poor	0.5 0.5 2	Decay along trunk, significant deadwood.	Remove Remove Remove	dripline dripline -	- - 1
) [Northern Catalpa Hackberry	Catalpa speciosa Celtis occidentalis	5 7		Good Good	Good Good	0.5 1		Remove Remove	dripline dripline	-
1	Bur Oak Hackberry	Quercus macrocarpa Celtis occidentalis	13 5		Good Fair	Good Fair	2.5	Debris of neighbouring in tree in crown.	Remove Remove	dripline dripline	1
_	Silver Maple Silver Maple	Acer saccharinum Acer saccharinum	15 15		Good Good	Good Good	3	Co-dominant unions, large trunk wound on west side and significant size	Remove Remove	dripline dripline	1
	Silver Maple White Spruce	Acer saccharinum Picea Abies	24 H: 200cm		Fair Fair	Fair/Poor Fair	0.5	surface roots visible. Newly planted. Minor deadwood.	Remove Preserve & Protect	dripline dripline	2
١	White Spruce White Spruce	Picea Abies Picea Abies	H: 200cm H: 200cm		Good Poor	Good Fair	0.5 0.5	Newly planted. Newly planted. Chlorotic, tip die back.	Preserve & Protect Preserve & Protect	dripline dripline	-
١	White Spruce White Spruce White Spruce	Picea Abies Picea Abies Picea Abies	H: 200cm H: 200cm H: 200cm		Good Good Good	Good Good Good	0.5 0.5 0.5	Newly planted. Newly planted. Newly planted.	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
E	European Beech Red Maple	Fagus sylvatica Acer rubrum		x 4	Very Poor Fair	Very Poor Fair	0.5	Major die back and deadwood. Some crown die back.	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline	-
F	Red Maple Red Maple	Acer rubrum Acer rubrum	10 17		Good Good	Good Good	2 3		Preserve & Protect Preserve & Protect	dripline dripline	-
F	Red Maple Red Maple Red Maple	Acer rubrum Acer rubrum Acer rubrum	19 13 15		Good Good Good	Good Good Good	3.5 2.5 3		Remove Remove Remove	dripline dripline dripline	1 1
F	Red Maple Friumph Elm	Acer rubrum Ulmus 'Morton glossy'	7 5		Dead/Dying Good	Dead/Dying Good	2 0.5		Remove Remove	- dripline	-
1	Triumph Elm Triumph Elm	Ulmus 'Morton glossy' Ulmus 'Morton glossy'	5		Good Good	Good Good	0.5 0.5		Remove Remove	dripline dripline	-
E	Friumph Elm Eastern Redbud Eastern Redbud	Ulmus 'Morton glossy' Cercis canadensis Cercis canadensis	5 4 4		Good Dead Dead	Good Dead Dead	0.5 0.5 0.5		Remove Remove Remove	dripline dripline dripline	-
E	Eastern Redbud Red Maple	Cercis canadensis Acer rubrum	4 11		Poor Good	Poor Good	0.5	Significant deadwood.	Remove Preserve & Protect	dripline dripline	-
F	Red Maple Red Maple	Acer rubrum Acer rubrum	12 9		Fair Fair	Poor Fair	2 2	Canker and decay on trunk.	Preserve & Protect Preserve & Protect	dripline dripline	-
F	Red Maple Red Maple Red Maple	Acer rubrum Acer rubrum Acer rubrum	11 15 12		Fair Fair Fair	Poor Fair Fair	2 2 2	Canker and decay on trunk.	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
	ted Maple	/ CCI TUSTUM	12		Tan	i dii			Treserve a Frotest	чтрите	_
\rightarrow	Red Maple	ory – May 6, 2024 Acer rubrum	12		Fair	Fair	2		Preserve & Protect	dripline	-
F	Red Maple Red Maple Red Maple	Acer rubrum Acer rubrum Acer rubrum	12 12 12		Fair Fair Fair	Fair Fair Fair	2 2 2		Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
.	Red Maple Red Maple	Acer rubrum Acer rubrum	8 5		Dead Good	Dead Good	1 0.5	Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
. F	Red Maple Red Maple	Acer rubrum Acer rubrum	5		Good Good	Good Good	0.5 0.5	Newly planted. Newly planted.	Preserve & Protect Preserve & Protect	dripline dripline	-
·	Red Maple Red Maple Red Maple	Acer rubrum Acer rubrum Acer rubrum	5 5 5		Good Good Good	Good Good Good	0.5 0.5 0.5	Newly planted. Newly planted. Newly planted.	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
ı	Red Maple Red Maple Red Maple	Acer rubrum Acer rubrum Acer rubrum	13 5		Good Good Fair	Good Good Poor	0.5	Newly planted. Bent over	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
F	Red Maple Red Maple	Acer rubrum Acer rubrum	5 5		Poor Good	Fair Good	0.5 0.5	Crown die back.	Preserve & Protect Preserve & Protect	dripline dripline	-
. 1	Red Maple Northern Catalpa Northern Catalpa	Acer rubrum Catalpa speciosa Catalpa speciosa	5 6		Good Good Good	Good Good Good	0.5 0.5 0.5		Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
1	Northern Catalpa Northern Catalpa Red Maple	Catalpa speciosa Catalpa speciosa Acer rubrum	6 6 12		Good Good Poor	Good Good Poor	0.5 0.5 2	Crown die back.	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
i F	Red Maple Red Oak	Acer rubrum Quercus rubra	10 10		Poor Fair	Poor Fair	2 2	Crown die back. Crown die back. Crown die back.	Preserve & Protect Preserve & Protect	dripline dripline	-
ı E	European Hornbeam Red Oak	Carpinus betulus Quercus rubra	10 10		Good Fair/Poor	Good Fair/Poor	1 2	Significant deadwood and broken branches.	Preserve & Protect Preserve & Protect	dripline dripline	-
F	Red Maple Red Maple Colorado Spruce	Acer rubrum Acer rubrum Picea pungens	10 16 14		Dead/Dying Good Fair	Dead/Dying Good Fair	1 4 2		Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
, (Colorado Spruce Colorado Spruce Colorado Spruce	Picea pungens Picea pungens Picea pungens	14 16 15		Fair Fair Fair	Fair Fair Fair	2 2 2		Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	- -
i l	Hackberry Hackberry	Celtis occidentalis Celtis occidentalis	11 15		Good Good	Good Good	3		Preserve & Protect Preserve & Protect	dripline dripline	-
ı	Hackberry Hackberry Hackberry	Celtis occidentalis Celtis occidentalis Celtis occidentalis	13 13 12		Good Good Good	Good Good Good	3 3 3		Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
. 1	Austrian Pine Redbud	Pinus nigra Cercis canadensis	11 4		Good Good	Good Good	3 1	Recently planted	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
. F	Redbud Redbud	Cercis canadensis Cercis canadensis	4 4		Good Good	Good Good	1 1	Recently planted Recently planted	Preserve & Protect Preserve & Protect	dripline dripline	-
·	Redbud Redbud Redbud	Cercis canadensis Cercis canadensis Cercis canadensis	4 4		Good Good Good	Good Good Good	1 1	Recently planted Recently planted Recently planted	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
F	Red Oak Red Oak	Quercus rubra Quercus rubra	9 5		Dead/Dying Good	Dead/Dying Good	2	Recently planted	Preserve & Protect Preserve & Protect	dripline dripline dripline	-
١ ١	White Willow White Willow	Salix alba Salix alba	3 3		Fair Fair	Fair Fair	1	Recently planted Recently planted	Preserve & Protect Preserve & Protect	dripline dripline	-
. \	White Pine White Pine Redbud	Pinus strobus Pinus strobus Cercis canadensis	4 4 5		Fair Fair Good	Fair Fair Good	1 1	Thinning, recently planted. Thinning, recently planted.	Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
. (Redbud Ornamental Pear Ornamental Pear	Pyrus calleryana Pyrus calleryana	10 12		Good Good	Good Good Good	1 1		Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
. (Ornamental Pear Ornamental Pear	Pyrus calleryana Pyrus calleryana Pyrus calleryana	14 14		Good Good	Good Good	1 1		Preserve & Protect Preserve & Protect	dripline dripline dripline	-
1	Colorado Spruce Norway Spruce	Picea pungens Picea abies	15 14		Fair Good	Fair Good	2 2		Preserve & Protect Preserve & Protect	dripline dripline	-
. (Norway Spruce Colorado Spruce Norway Spruce	Picea abies Picea pungens Picea abies	17 15 14		Good Good Good	Good Good Good	2 2 2		Preserve & Protect Preserve & Protect Preserve & Protect	dripline dripline dripline	-
١ ١	Norway Spruce White Spruce White Spruce	Picea abies Picea glauca Picea glauca	13 14		Good Fair Good	Good Fair Good	2 2 2	Yellowing	Preserve & Protect Preserve & Protect	dripline dripline dripline	-
1	Austrian Pine Norway Spruce	Pinus nigra Picea abies	H: 175cm H: 200cm		Good Fair	Good Fair	1 0.5		Preserve & Protect Preserve & Protect	dripline dripline	-
11	Norway Spruce	Picea abies Picea abies	H: 200cm H: 200cm		Fair Fair	Fair Fair	0.5 0.5		Preserve & Protect Preserve & Protect	dripline dripline	-
ı	Norway Spruce Norway Spruce	Picea abies	H: 200cm		Fair	Fair	0.5	1	Preserve & Protect	dripline	_



D-0 SHEET #

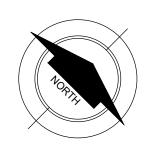


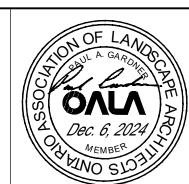
REFER TO ARBORIST REPORT &

INVENTORY PREPARED BY THE

URBAN ARBORIST INC. DATED JULY 22, 2024

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TREE INVENTORY CHART & DETAILS

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