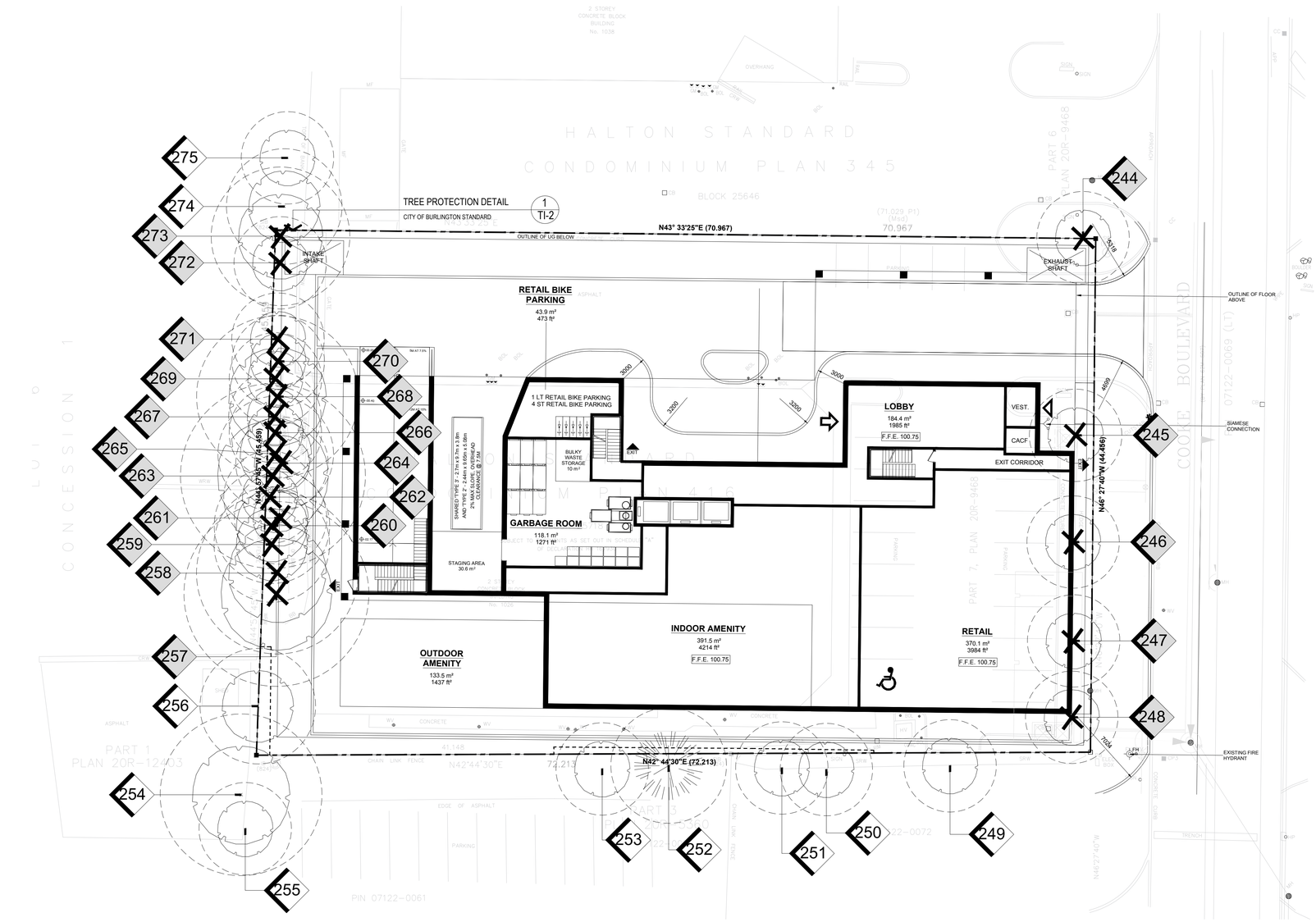


1 TI-1 TREE INVENTORY, REMOVALS, AND PROTECTION PLAN

SCALE: 1:200

LEGEND

- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING DECIDUOUS TREE TO BE REMOVED (REFER TO ARBORIST REPORT)
- EXISTING CONIFEROUS TREE TO REMAIN
- TREE IDENTIFICATION KEY (TREES TO BE RETAINED)
- TREE IDENTIFICATION KEY (TREES TO BE REMOVED)
- TREE PROTECTION FENCING PER CITY OF BURLNGTON STANDARDS
- CRITICAL ROOT ZONE

GENERAL NOTES

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1.	NOVEMBER 13, 2023	ISSUED FOR OPA/ZBA	NV

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FILE NO.	22173A
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PROJECT

1026 COOKE BOULEVARD
BURLINGTON, ONTARIO

NORTH

FILE NAME

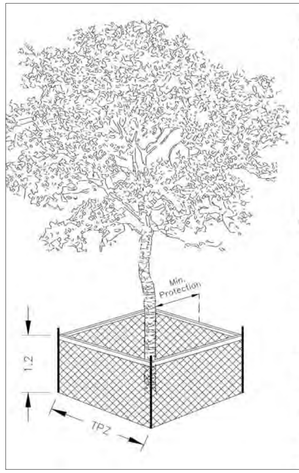
TREE INVENTORY, PROTECTION, AND REMOVALS

DWG NO.

TI-1

TREE INVENTORY NOTES

Tree #	Owner	Common Name	Botanical Name	DBH (CM)	Canopy (M)	Critical Root Zone (M)	Condition	Structure	Conditon %	Structure %	Min. TPZ Affected	Critical Root Zone Affected	Comments	Recommendation
244	1038 Cooke Boulevard	Crimson King Maple	Acer platanoides	27	7	4	F	F	75	75	100%	100%	Boundary tree	Remove due to construction (requires neighbours permission)
245	Private	Crimson King Maple	Acer platanoides	35	8	4	F	F	75	75	100%	100%		Remove due to construction
246	Private	Crimson King Maple	Acer platanoides	28	8	4	F	F	75	75	100%	100%		Remove due to construction
247	Private	Crimson King Maple	Acer platanoides	26	6	4	F	F	75	75	100%	100%		Remove due to construction
248	Private	Crimson King Maple	Acer platanoides	28	7	4	F	F	75	75	100%	100%		Remove due to construction
249	35 Plains Road East	Siberian Elm	Ulmus pumila	20	6	4	F	F	75	75	18%	30%		Retain (injure)
250	35 Plains Road East	Siberian Elm	Ulmus pumila	24	7	4	F	F	75	75	10%	22%	Co-dominant at 0.7 metres, vines growing at base	Retain (injure)
251	35 Plains Road East	Siberian Elm	Ulmus pumila	20	5.5	4	F	F	75	75	9%	24%		Retain (injure)
252	15 Plains Road East	Scots Pine	Pinus sylvestris	41	8	5	F	F	75	70	19%	31%	Mild lean, minor to moderate deadwood in canopy	Retain (injure)
253	15 Plains Road East	Manitoba Maple	Acer negundo	38	12	4	F	F/P	70	63	6%	21%	Co-dominant at 0.7 and 1.1 metres, bows in multiple limbs, one limb with significant lean	Retain (injure)
254	1021 Waterdown Road	Siberian Elm	Ulmus pumila	63	15	7	F	F	75	75	0%	2%	Co-dominant at 1.6 metres, minor deadwood in canopy	Retain (injure)
255	1021 Waterdown Road	Red Mulberry	Morus rubra	28	7	4	F	F	75	75	0%	0%	Mild lean	Retain
256	1021 Waterdown Road	Manitoba Maple	Acer negundo	43	13	5	F	F	75	75	26%	36%	Co-dominant at 0.6 metres, minor deadwood in canopy, mild lean	Retain (injure)
257	Private	Siberian Elm	Ulmus pumila	78	12	8	F	F	75	75	100%	100%		Remove due to construction
258	Private	Siberian Elm	Ulmus pumila	69	11	7	F	F	75	75	100%	100%		Remove due to construction
259	Private	Siberian Elm	Ulmus pumila	45	10	5	F	F/P	75	64	100%	100%	Moderate lean, minor deadwood in canopy	Remove due to construction
260	Private	Siberian Elm	Ulmus pumila	44	13	5	F	F	75	75	100%	100%		Remove due to construction
261	Private	Siberian Elm	Ulmus pumila	28	6	4	F	F	75	5	100%	100%		Remove due to construction
262	Private	Siberian Elm	Ulmus pumila	21	6	4	D	P	0	0	100%	100%	Tree is 100% dead	Remove due to condition
263	Private	Siberian Elm	Ulmus pumila	78	19	8	F	F	75	75	100%	100%	Co-dominant at 2.1 metres	Remove due to construction
264	Private	Siberian Elm	Ulmus pumila	32	8	4	F	F	75	74	100%	100%	Co-dominant at 1.2 metres, mild lean	Remove due to construction
265	Private	Siberian Elm	Ulmus pumila	45	8	5	F	F	75	75	100%	100%		Remove due to construction
266	Private	Siberian Elm	Ulmus pumila	24	7	4	F	F	75	72	100%	100%	Mild lean	Remove due to construction
267	Private	Siberian Elm	Ulmus pumila	21	10	4	F	F/P	75	70	100%	100%	Moderate lean, bow in trunk	Remove due to construction
268	Private	Siberian Elm	Ulmus pumila	63	16	7	F	F	73	70	100%	100%	Minor deadwood in canopy, mild lean	Remove due to construction
269	Private	Siberian Elm	Ulmus pumila	24	7	4	F	F	75	75	100%	100%		Remove due to construction
270	Private	Siberian Elm	Ulmus pumila	35	14	4	F	F	75	65	100%	100%	90 degree bow in upper trunk	Remove due to construction
271	Private	Siberian Elm	Ulmus pumila	33	9	4	F	F/P	70	68	100%	100%	Main limb previously failed at top, mild lean	Remove due to construction
272	Private	Siberian Elm	Ulmus pumila	21	3	4	P	P	45	30	100%	100%	Co-dominant at 0.6 metres, both limbs previously cut at 2.2	Remove due to construction
273	Private	Siberian Elm	Ulmus pumila	55	19	6	F/P	F	65	70	100%	100%	Minor deadwood in canopy, cavity at base	Remove due to construction
274	1038 Cooke Boulevard	Siberian Elm	Ulmus pumila	41	13	5	F	F	73	70	7%	15%	Mild lean, minor deadwood in canopy	Retain (injure)
275	1038 Cooke Boulevard	Siberian Elm	Ulmus pumila	23	4	4	P/D	F/P	30	50	0%	0%	Tree is 75% dead, new growth at base	Retain



Detail TP-1 – Tree Protection Detail.

Trunk Diameter (DBH) [2]	Minimum Tree Protection Zone (MTPZ) Distances Required [3]	Critical Root Zone (CRZ) Distances Required [3&4]
< 10 cm	1.8 m	1.8 m
11 - 40 cm	2.4 m	4.0 m
41 - 50 cm	3.0 m	5.0 m
51 - 60 cm	3.6 m	6.0 m
61 - 70 cm	4.2 m	7.0 m
71 - 80 cm	4.8 m	8.0 m
81 - 90 cm	5.4 m	9.0 m
91 - 100+ cm	6.0 m	10.0 m

NOTES:

[1] The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.
[2] Diameter at breast height (DBH) is the measurement of tree trunk taken at 1.4 metres above ground.
[3] Minimum Tree Protection Zone and Critical Root 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 and is subject to Section 6 of this specification.
[4] Where work is being performed beyond the Minimum Tree Protection Zone but within the Critical Root Zone the works are subject to Section 8 of this specification.

1 TI-2 TREE PROTECTION DETAIL
CITY OF BURLINGTON STANDARD

City of Burlington

TREE PROTECTION ZONE (TPZ)

No equipment or vehicles shall be operated, parked, repaired or refueled within the Tree Protection Zone.

No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the Tree Protection Zone.

No materials or fill may be stored within the Tree Protection Zone.

This tree protection barrier must not be removed prior to the completion of construction without written authorization from the City of Burlington, Urban Forestry Department.

For information, contact:
City of Burlington, Development and Infrastructure Division.
905-335-7642.

2 TI-2 TREE PROTECTION SIGNAGE
CITY OF BURLINGTON STANDARD

LEGEND

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PROJECT

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BURLINGTON, ONTARIO

FILE NAME

TREE INVENTORY, PROTECTION, AND REMOVALS

DWG NO.

TI-2