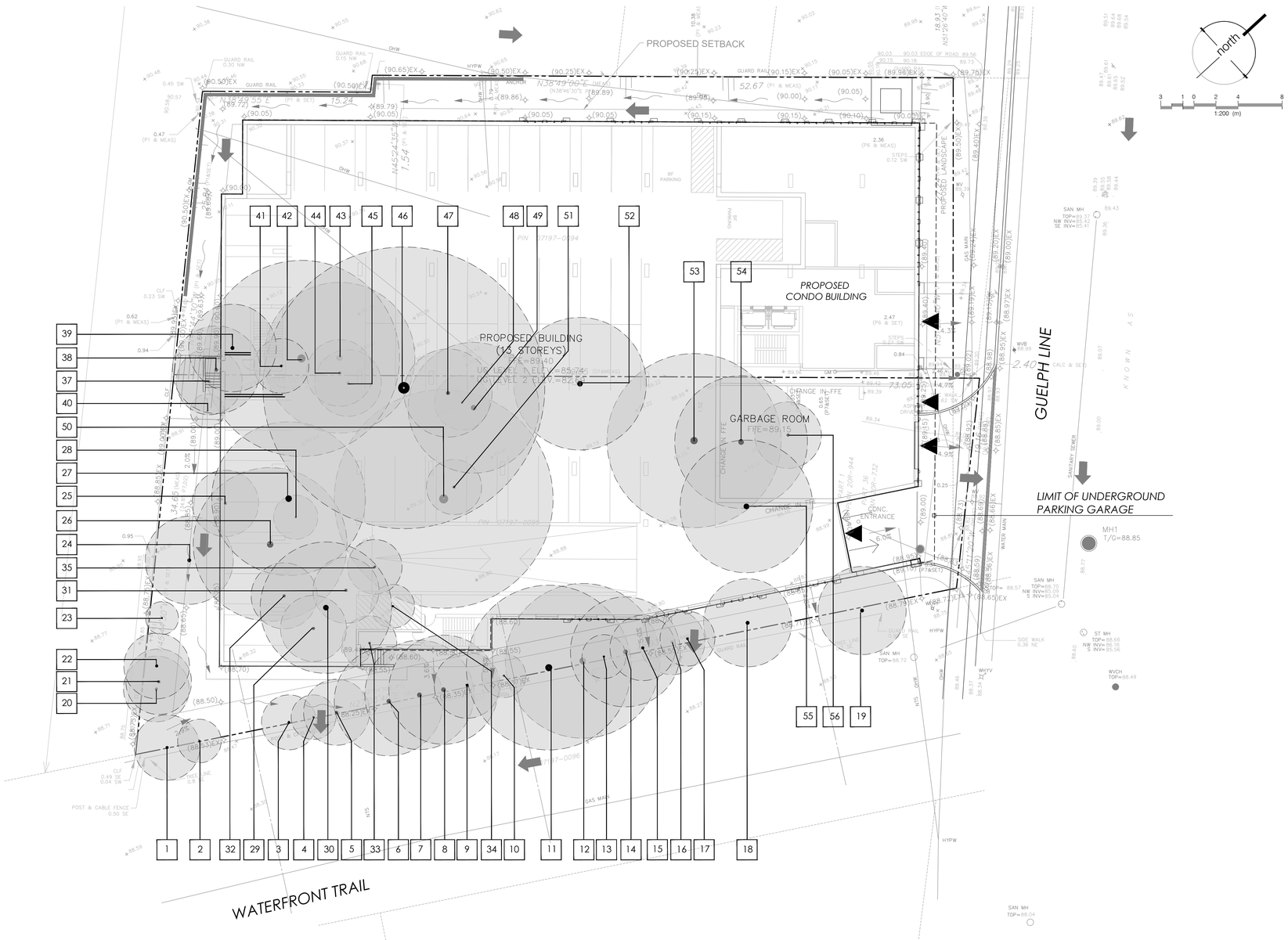
project #: 18-228



Trees #1 - 5

Trees #12 - 19

Trees #25 - 28 & 36

Trees #46 - 49

Trees #53 - 56

KEY MAP - N.T.S.



property line

2 existing tree number (refer to chart)

existing vegetation to remain

existing vegetation to be removed

existing elevations

NOT FOR CONSTRUCTION
ISSUED FOR REVIEW & COMMENTS ONLY

NOTE:
Vegetation inventory undertaken by Nate Torenvliet, ISA Certified Arborist (ON-1782A) on February 19, 2019

REVISIONS/ SUBMISSIONS

#	DATE	DESCRIPTION
1	2019-10-04	Issued for submission
2	2019-10-30	Re-Issued for Re-zoning Submission

STAMP

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
MARIO PATRIZIO
OALA
MEMBER

CLIENT
Valour Capital Management Inc.

MUNICIPALITY
City of Burlington

PROJECT
418 Guelph Line

MUNICIPAL FILE NUMBER

SHEET
Vegetation Management Plan
L-1

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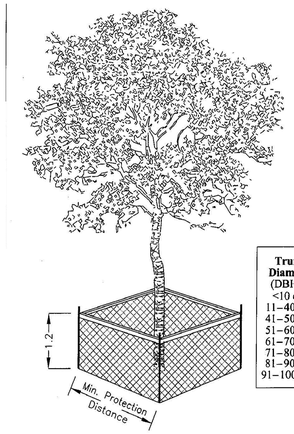


Table 1– Tree Protection Zones

Trunk Diameter (DBH)[2]	Tree Protection Zone (TPZ) Minimum Protection 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

TREE PROTECTION BARRIER

1. Tree protection barriers for trees situated on the City road allowance where visibility must be maintained can be 1.2m high and consist of orange plastic web snow fencing on a wood frame of 2" x 4" s, supported on metal " T " bars, 2.0m c/c max. Where orange plastic web snow fencing creates a restriction to sightlines, page wire fencing shall be used.

2. Where some excavate or fill has to be temporarily located near a tree protection barrier plywood must be used to ensure no material enters the Tree Protection Zone.

3. All supports and bracing should be outside the Tree Protection Zone. All such supports should minimize damaging roots outside the Tree Protection Barrier.

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

Tree Protection Fencing (City of Burlington Details) | D / 1

SCALE: NTS

TREE/UNIT NO.	SPECIES (COMMON NAME)	SPECIES (BOTANICAL NAME)	DBH (cm)	CROWN CLASS*	CONDITION	VEGETATION VALUE & PHYSICAL CONSTRAINTS	POTENTIAL IMPACTS FROM CONSTRUCTION	OWNERSHIP	RECOMMENDATION
1	Siberian Elm	Ulmus pumila	20	C	Fair	-	Removed due to poor condition	Boundary	REMOVE
2	White Ash	Fraxinus americana	18	C	Poor	EAB	Removed due to poor condition	Boundary	REMOVE
3	Manitoba Maple	Acer negundo	23	C	Fair	-	Removed due to poor condition	Boundary	REMOVE
4	Manitoba Maple	Acer negundo	18	C	Poor	-	Removed due to poor condition	Boundary	REMOVE
5	Manitoba Maple	Acer negundo	30	C	Fair	-	Removed due to poor condition	Boundary	REMOVE
6	Siberian Elm	Ulmus pumila	35	C	Poor	Dead in canopy	Grading within root zone due to proposed underground parking	Boundary	REMOVE
7	Siberian Elm	Ulmus pumila	30/20	C	Fair	-	Grading within root zone due to proposed underground parking	Boundary	REMOVE
8	Manitoba Maple	Acer negundo	25	C	Poor	Poor form	Grading within root zone due to proposed underground parking	Boundary	REMOVE
9	Siberian Elm	Ulmus pumila	27/18	C	Poor	Dead in canopy	Grading within root zone due to proposed underground parking	Boundary	REMOVE
10	Manitoba Maple	Acer negundo	14	5	Poor	-	Removed due to poor condition	Boundary	REMOVE
11	Manitoba Maple	Acer negundo	35/35	C	Poor	Dead in canopy, included chain and post at base	Grading within root zone due to proposed underground parking	Boundary	REMOVE
12	Siberian Elm	Ulmus pumila	45	C	Poor	Dead in canopy	Grading within root zone due to proposed underground parking	Boundary	REMOVE
13	Norway Maple	Acer platanoides	12	5	Poor	Poor form	Removed due to poor condition	Boundary	REMOVE
14	Manitoba Maple	Acer negundo	multi	C	Fair	Poor form	Grading within root zone due to proposed underground parking	Boundary	REMOVE
15	Siberian Elm	Ulmus pumila	25	C	Fair	-	Grading within root zone due to proposed underground parking	Boundary	REMOVE
16	Manitoba Maple	Acer negundo	22	C	Poor	Dead in canopy	Grading within root zone due to proposed underground parking	Boundary	REMOVE
17	Siberian Elm	Ulmus pumila	25	C	Fair	-	Grading within root zone due to proposed underground parking	Boundary	REMOVE
18	Manitoba Maple	Acer negundo	15/18	C	Poor	Dead in canopy	Grading within root zone due to proposed underground parking	Boundary	REMOVE
19	Manitoba Maple	Acer negundo	multi	C	Poor	Dead in canopy, included steel/fence at base	Removed due to poor condition	Public - municipal	REMOVE
20	White Ash	Fraxinus americana	35	C	Poor	EAB	Removed due to poor condition	Private - on property	REMOVE
21	White Ash	Fraxinus americana	30	C	Poor	EAB	Removed due to poor condition	Private - on property	REMOVE
22	White Ash	Fraxinus americana	30	C	Poor	EAB	Removed due to poor condition	Private - on property	REMOVE
23	White Mulberry	Morus alba	13	C	Poor	-	Removed due to poor condition	Private - on property	REMOVE
24	Siberian Elm	Ulmus pumila	30	C	Poor	Dead in canopy	Removed due to poor condition	Private - on property	REMOVE
25	Manitoba Maple	Acer negundo	30	C	Poor	Significant lean to west	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
26	Siberian Elm	Ulmus pumila	55	C	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
27	Manitoba Maple	Acer negundo	multi	C	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
28	White Ash	Fraxinus americana	19	C	Poor	EAB	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
29	Siberian Elm	Ulmus pumila	36	C	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
30	Siberian Elm	Ulmus pumila	30/30	C	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
31	Siberian Elm	Ulmus pumila	15/17	C	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
32	Manitoba Maple	Acer negundo	multi	5	Poor	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
33	Siberian Elm	Ulmus pumila	27	C	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
34	Manitoba Maple	Acer negundo	11	C	Poor	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
35	Manitoba Maple	Acer negundo	13	C	Poor	Poor form	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
36	White Mulberry	Morus alba	10	5	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
37	Manitoba Maple	Acer negundo	33	C	Poor	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
38	White Ash	Fraxinus americana	34	C	Poor	EAB	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
39	Siberian Elm	Ulmus pumila	40	C	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
40	Norway Maple	Acer platanoides	11	5	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
41	White Mulberry	Morus alba	12/13	5	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
42	Siberian Elm	Ulmus pumila	60	C	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
43	Siberian Elm	Ulmus pumila	50	C	Poor	Large scar/decay at base	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
44	Manitoba Maple	Acer negundo	36	5	Poor	Dead in canopy, significant lean to south	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
45	Manitoba Maple	Acer negundo	34	5	Poor	Dead in canopy, significant lean to south	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
46	Silver Maple	Acer saccharinum	65	C	Good	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
47	White Ash	Fraxinus americana	40	C	Poor	EAB	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
48	White Ash	Fraxinus americana	27	C	Poor	EAB	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
49	Siberian Elm	Ulmus pumila	55	C	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
50	White Ash	Fraxinus americana	multi	C	Poor	EAB, possibly dead	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
51	Siberian Elm	Ulmus pumila	17	C	Fair	-	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
52	White Mulberry	Morus alba	multi	C	Poor	Dead in canopy	Grading within root zone due to proposed underground parking	Private - on property	REMOVE
53	Manitoba Maple	Acer negundo	multi	C	Poor	Spreading lean, poor form	Grading within root zone due to proposed building	Private - on property	REMOVE
54	Siberian Elm	Ulmus pumila	multi	C	Poor	Poor form	Grading within root zone due to proposed building	Private - on property	REMOVE
55	Siberian Elm	Ulmus pumila	35	C	Poor	Dead in canopy	Grading within root zone due to proposed building	Private - on property	REMOVE
56	Manitoba Maple	Acer negundo	33	C	Poor	Growing out of building	Grading within root zone due to proposed building	Private - on property	REMOVE

* CROWN CLASS
Dominant- (D) Emergent canopy (receives full sunlight)
Co-dominant - (C) Not fully emergent (top of canopy receives sunlight)
Sub - (S) Sub-canopy tree (receives partial sunlight)

MIGRATORY BIRDS AND NESTS:

1. The Owner and Contractor must be aware of the Migratory Birds Convention Act, 1994 - specifically;
   - No tree removal or construction activity shall contravene the Act.
   - Construction activities with the potential to harm migratory birds or their nest should be restricted from March 15 to August 31.
   - If work must occur during the migratory bird breeding season, a nest survey should be taken by a qualified avian biologist.
   - A mitigation plan (showing active nests and appropriate buffers) may be required for review and approval by the Canadian Wildlife Services.

TREE REMOVAL:

1. No trees shall be removed prior to municipal approvals of the Tree Management/Tree Preservation Plan.

BOUNDARY TREES:

2. Note that boundary trees are protected under the Ontario Forestry Act. Boundary trees are defined in the Forestry Act (Section 10.2) and are considered shared or co-owned property. The Forestry Act indicates that it is a prosecutable offense for one co-owner to injure or cut down a boundary tree without the other co-owner's permission.
3. Written permission from the neighbouring property owner is required prior to removal or injury of any boundary tree(shared ownership) or any tree that is not fully on the subject property.
4. An ISA certified Arborist should be on site prior to any work being performed within the rootzone of a boundary or neighbouring tree to perform root pruning as required.

* CONDITION OF TREES
The decision to remove or retain a tree is subject to the forecasted development impacts, the structural condition of the tree (e.g. cracks, cavities, decay, weak branching, leaning, hazard potential), the biological condition of the tree (e.g. pest or disease concerns, overall health) and the suitability of the tree in its location (e.g. hardiness, soil conditions, salt tolerance, visual obstruction, available soil volume)

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NOTE:
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