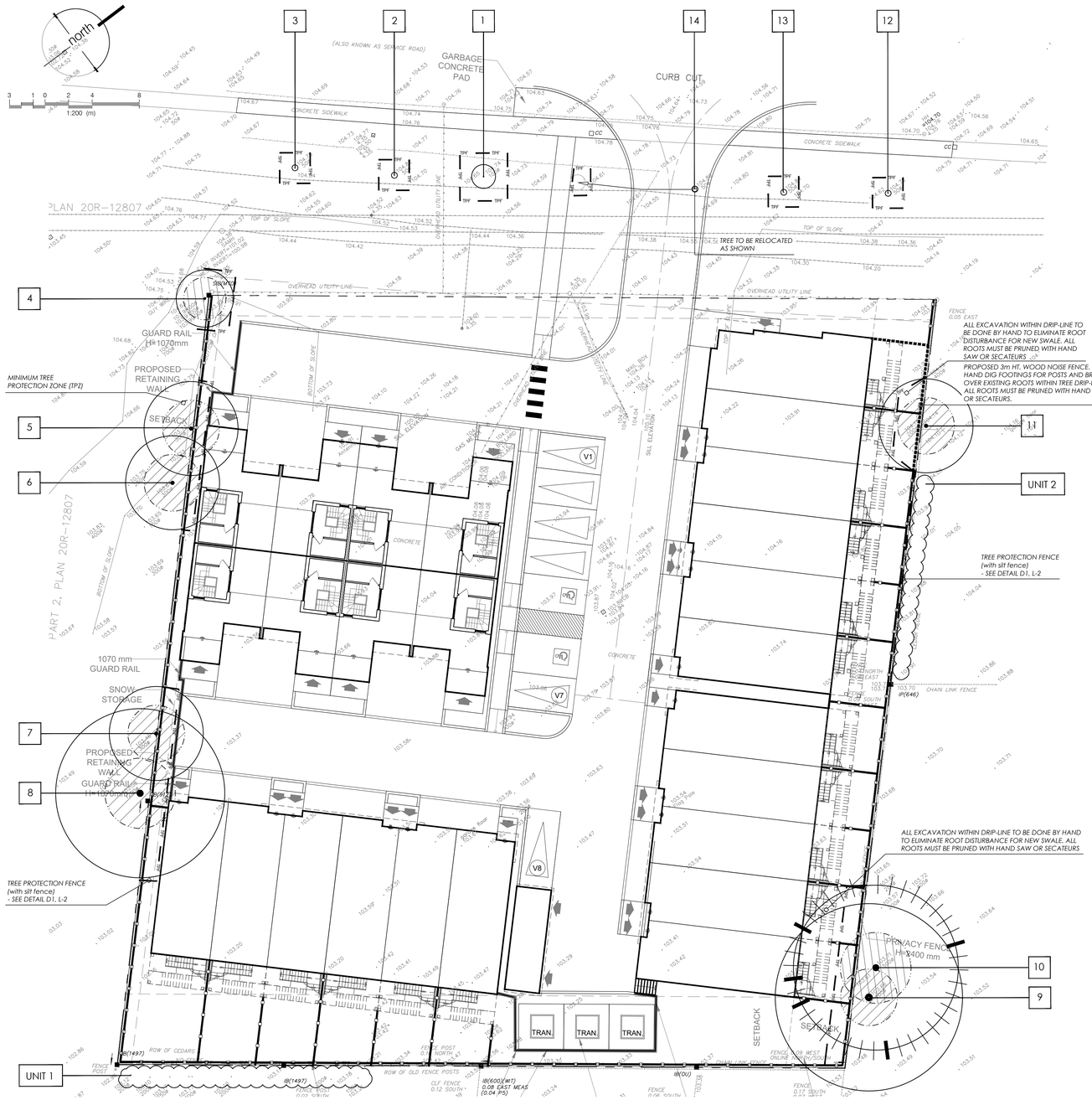
project #: 19-065





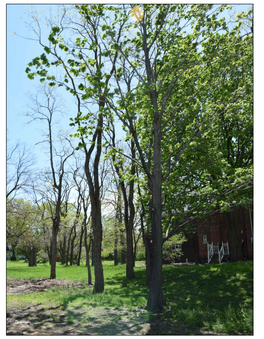

Tree #1



Tree #2



Tree #3



Tree #5 and #6



Tree #9 and #10



Tree #11



Tree #4



Tree #11 - #14



Unit #1



Unit #2

KEY MAP - N.T.S.




LEGEND

- property line
- UNIT 2 — vegetation unit (refer to chart)
- 2 — existing tree number (refer to chart)
- existing vegetation to remain
- minimum tree protection zone (TPZ)
- 104.21 — existing elevations
- TPF — tree protection fence (with silt fence) - see detail D1, L-2
- proposed 3m ht. wood noise fence
- proposed 2.4m ht wood fence

NOT FOR CONSTRUCTION
ISSUED FOR REVIEW & COMMENTS ONLY

NOTE:
Vegetation inventory undertaken by Nate Torenvliet, ISA Certified Arborist (ON-1782A) on May 29, 2019.

REVISIONS/ SUBMISSIONS

| # | DATE | DESCRIPTION |
|---|---|---|
| 1 | 2019-08-09 | Issued for Rezoning Submission |
| 2 | 2019-08-16 | Issued for Rezoning Submission |
| 3 | 2019-09-19 | Issued for Rezoning Submission |
| 4 | 2019-11-19 | Issued for Rezoning Submission |

STAMP

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
MARIO PATINUCCI
MEMBER

CLIENT
Goldcourt Developments Inc.

MUNICIPALITY
City of Burlington

PROJECT
Residential Development
2294-2300 Queensway Drive
Burlington, ON

MUNICIPAL FILE NUMBER

SHEET
Vegetation Management Plan
L-1

adesso design inc.
landscape architecture

218 Locke Street South, 2nd Floor
Hamilton, ON L8P 4B4
t. 905.526.8876
www.adessodesigninc.ca

FILE:\Project_files\Projects_2019\19-065_Queensway Dr, Burlington\01\Current Drawings\19-065.dwg, LAYOUT1, Virginnon
LAST SAVED BY:Stefanie03, November 19, 2019 8:03:54 PM PLOTTED BY:Stefanie03, November 19, 2019 9:40:14 AM

project #: 19-065

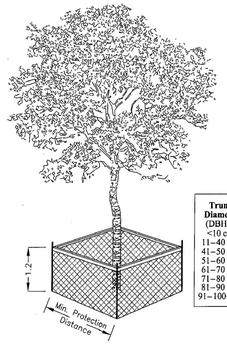



Table 1– Tree Protection Zones

| 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 |

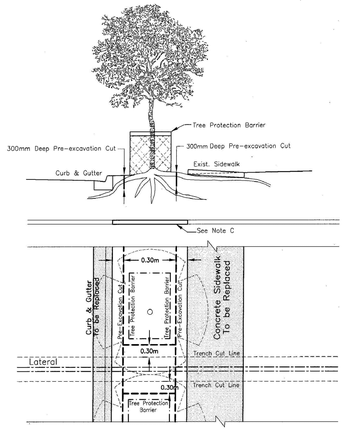
## TREE PROTECTION BARRIER

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.




NOTE:
For excavations perpendicular to the curbing ( ie. curbing, sidewalk,water or sewer laterals renewal)

a) when the open cut is within the Critical Root Zone of a tree, the contractor is to pre-cut the earth 300mm wider than the specified trench width to a depth of 300mm.

b) the contractor is to use a trench box to minimize the width of the open cut.

c) when the lateral replacement is within the Tree Protection Zone of a tree, the contractor is to complete the works using trenchless technologies.

Tree Protection (City of Burlington Std. Dwgs.) — D/1

SCALE: NTS

## *EXISTING VEGETATION IDENTIFICATION TABLE*

| *TREE/UNIT NO.* | *SPECIES (COMMON NAME)* | *SPECIES (BOTANICAL NAME)* | *DBH (cm)* | *CROWN CLASS** | *CONDITION* | *VEGETATION VALUE & PHYSICAL CONSTRAINTS* | *POTENTIAL IMPACTS FROM CONSTRUCTION* | *OWNERSHIP* | *RECOMMENDATION* |
|---|---|---|---|---|---|---|---|---|---|
| *UNIT 1* | *White Cedar* | *Thuja occidentalis* | *5 - 15* | *C* | *Fair* | *6 individuals* | *.* | *Private-Neighbouring* | *SAVE* |
| *UNIT 2* | *White Cedar* | *Thuja occidentalis* | *multi.* | *C* | *Poor* | *14 individuals. Off property* | *.* | *Private-Neighbouring* | *SAVE* |
| *1* | *Littleleaf Linden* | *Tilia cordata* | *13* | *D* | *Poor* | *Scars on trunk* | *.* | *City* | *SAVE* |
| *2* | *Kentucky Coffee Tree* | *Gymnocladus dioicus* | *3* | *D* | *Fair* | *.* | *.* | *City* | *SAVE* |
| *3* | *Ginkgo* | *Ginkgo biloba* | *3* | *D* | *Fair* | *.* | *.* | *City* | *SAVE* |
| *4* | *Chinese Lilac* | *Syringa x* | *multi.* | *D* | *Fair* | *Significant lean. Off property.* | *.* | *Private-Neighbouring* | *SAVE* |
| *5* | *Sugar Maple* | *Acer saccharum* | *36* | *C* | *Poor* | *Dead in canopy* | *Grading within root zone due to proposed building* | *Shared* | *SAVE - 30.5% of root zone affected* |
| *6* | *Black Locust* | *Robinia pseudoacacia* | *40* | *C* | *Good* | *Off property* | *Grading within root zone due to proposed building* | *Private-Neighbouring* | *SAVE - 16.7% of root zone affected* |
| *7* | *Black Locust* | *Robinia pseudoacacia* | *36* | *C* | *Good* | *Off property* | *Grading within root zone due to proposed driveway* | *Private-Neighbouring* | *SAVE - 27% of root zone affected* |
| *8* | *White Mulberry* | *Morus alba* | *50/40/45* | *C* | *Fair* | *Off property* | *Grading within root zone due to proposed building* | *Private-Neighbouring* | *SAVE - 30.2% of root zone affected* |
| *9* | *Black Walnut* | *Juglans nigra* | *40* | *C* | *Good* | *Off property* | *Grading within root zone due to proposed driveway* | *Private-Neighbouring* | *SAVE - 21.6% of root zone affected* |
| *10* | *White Pine* | *Pinus strobus* | *50* | *C* | *Fair* | *In decline. Off property.* | *Grading within root zone due to proposed building* | *Private-Neighbouring* | *SAVE - 16.3% of root zone affected* |
| *11* | *Colorado Spruce* | *Picea pungens* | *40* | *D* | *Good* | *Off property* | *Grading within root zone due to proposed building* | *Private-Neighbouring* | *SAVE - 4.1% of root zone affected* |
| *12* | *Kentucky Coffee Tree* | *Gymnocladus dioicus* | *3* | *D* | *Fair* | *.* | *.* | *City* | *SAVE* |
| *13* | *European Hornbeam* | *Carpinus betulus* | *3* | *D* | *Good* | *.* | *.* | *City* | *SAVE* |
| *14* | *London Plane* | *Platanus x acerifolia* | *3* | *D* | *Fair* | *.* | *Conflicts with proposed driveway* | *City* | *SAVE - RELOCATE (refer to plan for location)* |

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

*** CONDITION - consideration of trunk integrity, crown structure and crown vigor*
*Good - few or no issues related to trunk integrity, crown structure or crown vigor*
*Fair - minor issues related to trunk integrity, crown structure (form, some dead or damaged branches) or crown vigor (20-80% healthy foliage)*
*Poor - issues with trunk integrity such as cavities or exposed dead wood, poor crown structure (poor form, no clear leader, significant dead or damaged branches) or poor crown vigor (<20% healthy foliage)*

### *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.*

NOTE:
Vegetation inventory undertaken by Nate Torenvliet, ISA Certified Arborist (ON-1782A) on May 29, 2019.

REVISIONS/ SUBMISSIONS

| # | DATE | DESCRIPTION |
|---|---|---|
| 1 | 2019-08-09 | Issued for Rezoning Submission |
| 2 | 2019-08-16 | Issued for Rezoning Submission |
| 3 | 2019-09-19 | Issued for Rezoning Submission |
| 4 | 2019-11-19 | Issued for Rezoning Submission |

STAMP

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — MARIO PATRIZIO — OALA — MEMBER

CLIENT
Goldcourt Developments Inc.

MUNICIPALITY
City of Burlington

PROJECT
Residential Development
2294-2300 Queensway Drive
Burlington, ON

MUNICIPAL FILE NUMBER

SHEET
Vegetation Management Plan — L-2

NOT FOR CONSTRUCTION
ISSUED FOR REVIEW & COMMENTS ONLY

adesso design inc.
landscape architecture
218 Locke Street South, 2nd Floor
Hamilton, ON L8P 4B4
t. 905.526.8876
www.adessodesigninc.ca

R:\Z1-Project Files\Projects_2019\19-065_Queensway Dr, Burlington\01-Current_Drawings\19-065.dwg LAYOUT2, Veg Man chart
LAST SAVED BY:Stefanos, November 18, 2019 6:05:54 PM PLOTTED BY:Stefanos, November 19, 2019 9:46:42 AM