Appendix B to RPF-24-22



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ARBORIST REPORT

PROPOSED INDUSTRIAL WAREHOUSE 4385 MAINWAY CITY OF BURLINGTON

PREPARED FOR **MENKES BARNETT BURLINGTON II INC.** 4711 YONGE STREET, SUITE 1400 **TORONTO, ONTARIO** M2N 7E4

PREPARED BY: STRYBOS BARRON KING LTD. **5770 HURONTARIO STREET SUITE 320 MISSISSAUGA, ONTARIO** L5R 3G5

ISA CERTIFIED ARBORIST MATTHEW GEHRES ON-1114A OUR PROJECT NO: 21-5649

> April 1, 2022 July 11, 2022

Revised as per City Forestry Comments – August 2, 2022

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Enclosed: full size V100 - Tree Inventory & Preservation Plan

ARBORIST REPORT 4385 Mainway, Burlington

Introduction

Strybos Barron King Ltd. was retained by Menkes Barnett Burlington II Inc. to prepare an Arborist Report for the subject property in accordance with City of Burlington guidelines.

Site Context

The subject site (4385 Mainway) is located on the northeast corner of Mainway and Corporate Drive, abutting, existing industrial properties to the north and east. An existing, engineered drainage channel occurs adjacent to the northeast and northwest property boundaries. Currently the property contains an existing agricultural field. The proposal for this property will see the construction of a new industrial warehouse including parking and loading areas. The subject property is nearly void of trees except for groupings of trees at the northeast corner. A row of existing boulevard trees flanks the Mainway right of way.

Plans Utilized

A proposed Site Plan prepared by Method Architects Inc. (formerly recognized as ACK Architects) as well as a topographic survey Prepared by Vujeva Surveys Limited were used as reference to determine the location of existing trees within and adjacent to the subject site in relation to the proposed development.

Tree Inventory (refer to tables below)

Trees were identified both within and immediately adjacent to the subject property during a site visit conducted by ISA Certified Arborist, Matthew Gehres of Strybos Barron King Ltd. (ISA #ON-1114A). The trees are described in terms of species and diameter at breast height (DBH – measured at 1.4m from grade). They have been assessed in terms of their general health from poor to good; **GOOD** – trees in good overall health and condition with desirable structure, **FAIR** – trees in moderate health and condition with less desirable structure, and **POOR** – trees displaying prominent health issues such as decay and disease and/or poor form and structure. All trees 10cm and greater have been inventoried as a part of this application (Refer to *V100* – *Tree Inventory and Preservation Plan* for locations of and information pertaining to specific trees)

| Key# | This number refers to inventory number assigned to the tree on the plan. | | | | | |
|-----------|---|-------------------------|--|--|--|--|
| Species | The common names are provi | ided for each tree. | | | | |
| Caliper | This refers to diameter (in centimetres) at breast height and is measured at 1.4m above the ground for each tree. | | | | | |
| Crown | Canopy Width An estimation of the average diameter of the tree canopy, in metres. | | | | | |
| Health | The general assessed health of the tree. | | | | | |
| Structure | This is an assessment of the trees overall form. | | | | | |
| Comments | A general description of each tree's condition and/or pertinent characteristics is provided. | | | | | |
| Direction | This indicates either preservation or removal of the tree (as noted on the plan) | | | | | |
| Min. TPZ | Recommended Tree Preserva | ation Zone (in metres). | | | | |

| Tree Inventory Table Descriptions | (See Existing Tree Inventory - Pages 1 & 2) |
|-----------------------------------|---|
|-----------------------------------|---|

ARBORIST REPORT 4385 Mainway, Burlington

Tree Inventory List

All trees greater than 10cm DBH have been inventoried

| Ref SPECIES DBH CROWN HEALTH STRUCTURE COMMENTS PRESERVATION MIN. TP. ROOT ZONE Min. PC 1 AMUR MAPLE 8.0 50.0000 MULTIPLE LEADERS ELEVATED CROWN, DEBACK ON LOWER BRANCHES PRESERVE 2.4 4.0 0.0 Phalor ROW 1 AMUR MAPLE 8.0 50.0000 MULTIPLE LEADERS ELEVATED CROWN, DEBACK ON LOWER BRANCHES PRESERVE 2.4 4.0 0.00% Phalor ROW 1 SWIGBARK 16.5 7.0 60.0000 COUBLE STEM CROWDING BY ADJACENT TREE, ONE BRED FORM REMOVE 2.4 4.0 100% Phales 3 SWIGBARK 15.5 6.0 0.000 COUBLE LEADER CROWDING BY ADJACENT TREE, ONE BRED FORM REMOVE 2.4 4.0 100% Phales 4 SWIGBARK 15.20 1.0 PAR MULTIPE LEADER CROWDING BY ADJACENT TREE, ONE BRED FORM REMOVE 2.4 4.0 100% Phales 1 SWIGBARK 1.20 1.00 FORM MULTIPE TREMER< | EX | ISTING TRE | E INVE | NTOR | Y | | | | | | | | |
|--|-----|---------------------|-----------------|----------------------|---------------|-------------------|--|--------------|----------|-----------------------|--------------------------------------|--------------|-----|
| Image: Image:< | KEY | SPECIES | DBH | CROWN | HEALTH | STRUCTURE | COMMENTS | PRESERVATION | MIN. TPZ | CRITICAL ROOT ZONE | % OF CRITICAL ROOT ZONE IMPACT | OWNER | KEY |
| Image: Second | 1 | AMUR MAPLE | 1N (cm) 28.0 | IN (m) 8.0 | G/F/P GOOD | MULTIPLE LEADERS | ELEVATED CROWN, DIEBACK ON LOWER BRANCHES | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | 1 |
| S SMGGARK 19.5 7.0 COOD DOUBLE STEM CROWINNG BY ADJACENT TREE, ONE SIDED FORM REMOVE 2.4 4.0 100% Private 3 4 SHAGBARK 19.5 6.0 OCOD DOUBLE LEADER CROWINNG BY ADJACENT TREE, ONE SIDED FORM REMOVE 2.4 4.0 100% Private 4 5 BASSWOOD 5:0 9:00 MALTISTEMMED BROAD FORM, CEAD FORM, CEAD LORD, CROWING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 5 6 MAURTISTEMMED CROWING BY ADJACENT TREE, UNE ENTANCILED REMOVE 2.4 4.0 100% Private 7 6 MAURTISTEMMED CROWING BY ADJACENT TREE, UNE ENTANCILED REMOVE 2.4 4.0 100% Private 8 9 SHAGBARK 18.0 8 GOOD NULTISTEMMED CROWING BY ADJACENT REMOVE 2.4 4.0 100% Private 10 10 ADSCON 21.5 0.6 GOOD MULTISTEMMED | 2 | SHAGBARK HICKORY | 17.0 | 6.0 | GOOD | DOUBLE STEM | CROWDING BY ADJACENT TREE, ONE SIDED FORM | REMOVE | 2.4 | 4.0 | 100% | Private | 2 |
| 4 BKAGRARK HICKOPY 15.8 6.0 COOD DOUBLE LEADER CROWING PY ADJACENT TREE, ONE SUBE FORM REMOVE 2.4 4.0 100% Pinate 4. 5 BASSWOOD 5:20 9:0 POOR MULTISTEMMED BRADA FORM, DEAD LEADERS, DECLINING REMOVE 2.4 4.0 100% Pinate 6. 6 BASSWOOD 5:20 9:00 ASYMME TRICUL FORM, MULTISTEMMED, CROWING BY ADJACENT TREE, VINE ENTANGLED REMOVE 2.4 4.0 100% Pinate 6. 14/KORW 16:24 10.0 FAIR MULTISTEMMED CROWING BY ADJACENT TREE, VINE ENTANGLED REMOVE 2.4 4.0 100% Pinate 9 14/KORW 5:10 10 0000 MULTISTEMMED ASYMMETRICUL FORM, CROWING BY ADJACENT REMOVE 2.4 4.0 100% Pinate 10 10 RASSWOOD 21:5 9:0 GOOD MULTISTEMMED CROWING BY ADJACENT REMOVE 2.4 4.0 100% Pinate 10 11 <td>3</td> <td>SHAGBARK HICKORY</td> <td>19.5</td> <td>7.0</td> <td>GOOD</td> <td>DOUBLE STEM</td> <td>CROWDING BY ADJACENT TREE, ONE SIDED FORM</td> <td>REMOVE</td> <td>2.4</td> <td>4.0</td> <td>100%</td> <td>Private</td> <td>3</td> | 3 | SHAGBARK HICKORY | 19.5 | 7.0 | GOOD | DOUBLE STEM | CROWDING BY ADJACENT TREE, ONE SIDED FORM | REMOVE | 2.4 | 4.0 | 100% | Private | 3 |
| 6 BASSWOOD 5:0 9:0 POOR MALT STEMMED BROAD FORM, DEAD LEADERS, DECLINING REMOVE 2.4 4.0 100% Private 6 6 BANGBARK 12:0 GOOD ASYMMETRICAL FORM CROWDING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 6 7 SHAGBARK 11:0 FAIR NULTI-STEMMED CROWDING BY ADJACENT REMOVE 2.4 4.0 100% Private 7 8 MATTORIN 5-19 10:0 GOOD MULTI-STEMMED ASYMETRICAL FORM, CROWDING BY ADJACENT REMOVE 2.4 4.0 100% Private 9 10 ASSWOOD 21:5 9.0 GOOD MULTI-STEMMED ASYMETRICAL FORM, CROWDING BY ADJACENT REMOVE 2.4 4.0 100% Private 9 11 ASKAGBARK 21:5 9.0 GOOD NULTI-STEMMED ASYMETRICAL FORM, CROWDING BY ADJACENT REMOVE 2.4 4.0 100% Private 10 NULTI-STEMMED | 4 | SHAGBARK HICKORY | 16.5 | 6.0 | GOOD | DOUBLE LEADER | CROWDING BY ADJACENT TREE, ONE SIDED FORM | REMOVE | 2.4 | 4.0 | 100% | Private | 4 |
| 6 Bindgark 23.6 12.0 GOOD ASYMMETRICAL FORM MULTI-STEMMED, CROWING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 6 7 Bindgark 18.24 10.0 FAR MULTI-STEMMED CROWING BY ADJACENT TREE, VIRE ENTANLED REMOVE 2.4 4.0 100% Private 7 8 HACKORY 10.0 GOOD MULTI-STEMMED ASYMMETRICAL FORM, CROWING BY ADJACENT REMOVE 2.4 4.0 100% Private 8 9 BINGGARK 21.5 8.0 GOOD MULTI-STEMMED CROWING BY ADJACENT TREE, LOWER LIMBS VINE REMOVE 2.4 4.0 100% Private 8 10 BASSWODD 21.5 9.0 GOOD MULTI-STEMMED CROWING BY ADJACENT TREE, LOWER LIMBS VINE REMOVE 2.4 4.0 100% Private 10 11 BASGARK 18.0 6.0 GOOD NE SIDED FORM CROWING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private | 5 | BASSWOOD | 5-20 | 9.0 | POOR | MULTI-STEMMED | BROAD FORM, DEAD LEADERS, DECLINING | REMOVE | 2.4 | 4.0 | 100% | Private | 5 |
| 7 FINAGRAPK 18-24 10.0 FAR MULTISTEMMED CROWDING BY ADJACENT TREE, VINE ENTANLED REMOVE 2.4 4.0 100% Private 7 8 NAVITHORN 5-19 10.0 GOOD MULTISTEMMED ASYMMETRICAL FORM, CROWING BY ADJACENT REMOVE 2.4 4.0 100% Private 8 10 ASSMODD 21.5 9.0 GOOD MULTISTEMMED ASYMMETRICAL FORM, CROWING BY ADJACENT REMOVE 2.4 4.0 100% Private 9 11 BARGARK 12.5 9.0 GOOD MULTISTEMMED ASYMMETRICAL FORM, CROWING BY ADJACENT REMOVE 2.4 4.0 100% Private 10 11 BARGARKY 18.0 6.00 OCOD ONE SIDED FORM CROWIDNG BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 12 12 BARGARKY 11.0 4.5 GOOD ONE SIDED FORM CROWIDNG BY ADJACENT TREE REMOVE 2.4 4.0 100% Private | 6 | SHAGBARK HICKORY | 23-36 | 12.0 | GOOD | ASYMMETRICAL FORM | MULTI-STEMMED, CROWDING BY ADJACENT TREE | REMOVE | 2.4 | 4.0 | 100% | Private | 6 |
| 6 NAWTHORN 5-19 10.0 GOOD MULTISTEMMED ASYMMETRICAL FORM, GROWONG BY ADJACENT REMOVE 2.4 4.0 100% Private 8 9 SHAGBARK 21.0 8.0 GOOD NARROW FORM CROWONG BY ADJACENT RELIVEL REMOVE 2.4 4.0 100% Private 9 10 BASSWOOD 21.5 9.0 GOOD MULTISTEMMED ASYMMETRICAL FORM, CROWONG BY ADJACENT REMOVE 2.4 4.0 100% Private 10 11 BASGBARK 22.5 7.0 GOOD NEEDED FORM CROWING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 11 12 SHAGBARK 13.0 6.0 GOOD MULTISTEMMED ONE SIDED FORM, CROWING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 12 13 KROBRAR 18.0 GOOD MULTISTEMMED SIGNIFICANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Private 13 <td>7</td> <td>SHAGBARK HICKORY</td> <td>18-24</td> <td>10.0</td> <td>FAIR</td> <td>MULTI-STEMMED</td> <td>CROWDING BY ADJACENT TREE, VINE ENTANGLED</td> <td>REMOVE</td> <td>2.4</td> <td>4.0</td> <td>100%</td> <td>Private</td> <td>7</td> | 7 | SHAGBARK HICKORY | 18-24 | 10.0 | FAIR | MULTI-STEMMED | CROWDING BY ADJACENT TREE, VINE ENTANGLED | REMOVE | 2.4 | 4.0 | 100% | Private | 7 |
| 9 9 MAGBARK 21.0 8.0 GOOD NARROV FORM CROWIDING BY ADJACENT TREE, LOWER LIMBS VINE REMOVE 2.4 4.0 100% Private 9 10 BASSWOOD 21.5 3.0 GOOD MULTSTEEMMED ASYMMETRICAL FORM, CROWDING BY ADJACENT REMOVE 2.4 4.0 100% Private 10 11 BASSWOOD 21.5 3.0 GOOD ONE SIDE FORM CROWDING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 11 12 SHAGBARK 18.0 6.0 GOOD ONE SIDE FORM CROWDING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 12 13 ROWYODD 11.15 8.0 GOOD MULTSTEMMED SIGNIFICANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Public - ROW 15 14 HORYLOLUST 3.7 5.0 GOOD GOOD FORM SIGNIFICANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Pub | 8 | HAWTHORN | 5-19 | 10.0 | GOOD | MULTI-STEMMED | ASYMMETRICAL FORM, CROWDING BY ADJACENT TREE | REMOVE | 2.4 | 4.0 | 100% | Private | 8 |
| 10 BASSWOOD 21.5 9.0 GOOD MULTSTEMMED ASYMMETRICAL FORM, CROWDING BY ADJACENT REMOVE 2.4 4.0 10% Private 10 11 SHAGBARK 2.2.5 7.0 GOOD ONE SIDED FORM CROWDING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 11 12 SHAGBARK 18.0 6.0 GOOD ONE SIDED FORM CROWDING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 12 13 IRONWOOD 11.1 8.0 GOOD MULTSTEMMED ONE SIDED FORM, CROWDING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 13 14 HOREVLOCUST 11.0 4.5 GOOD MULTSTEMMED SIGNIFCANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Private 70% Public - ROW 14 14 HORV SULK 19.0 5.0 GOOD GOOD FORM SIGNIFCANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 | 9 | SHAGBARK HICKORY | 21.0 | 8.0 | GOOD | NARROW FORM | CROWDING BY ADJACENT TREE, LOWER LIMBS VINE ENTANGLED | REMOVE | 2.4 | 4.0 | 100% | Private | 9 |
| 11 SHAGBARK HCKORY 22.5 7.0 GOOD ONE SIDED FORM CROWDING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 11 12 SHAGBARK HCKORY 18.0 6.0 GOOD ONE SIDED FORM CROWDING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 12 13 IRONWOOD 11-15 8.0 GOOD MULTI-STEMMED ONE SIDED FORM CROWDING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 13 14 HONEYLOCUST 11.0 4.5 GOOD MULTI-STEMMED ONE SIDED FORM SIGNFGANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Public - ROW 14 14 HORY SILK 19.0 5.0 GOOD GOOD FORM SIGNFGANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Public - ROW 16 14.AC LAC 10.4 D.0 GOOD FORM SIGNFGANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 0% Public - ROW 17 | 10 | BASSWOOD | 21.5 | 9.0 | GOOD | MULTI-STEMMED | ASYMMETRICAL FORM, CROWDING BY ADJACENT TREE, DIEBACK ON LOWER BRANCHES | REMOVE | 2.4 | 4.0 | 100% | Private | 10 |
| 12 SHAGBARK HICKORY 18.0 6.0 GOOD ONE SIDED FORM CROWDING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 12 13 IRONWOOD 11.15 8.0 GOOD MULT-STEMMED ONE SIDED FORM, CROWDING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 13 14 HONEYLOCUST 11.0 4.5 GOOD MULT-STEMMED SIGNIFICANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Public - ROW 14 15 HONEYLOCUST 3.7 5.0 GOOD MULT-STEMMED SIGNIFICANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Public - ROW 14 16 IVORY SILK 19.0 5.0 GOOD GOOD FORM SIGNIFICANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 0% Public - ROW 17 110 0.0 GOOD GOOD FORM SIGNIFICANT SUCKER GROWTH AT BASE PRESERVE 2.4 4.0 0% Public - ROW 18 <td>11</td> <td>SHAGBARK HICKORY</td> <td>22.5</td> <td>7.0</td> <td>GOOD</td> <td>ONE SIDED FORM</td> <td>CROWDING BY ADJACENT TREE</td> <td>REMOVE</td> <td>2.4</td> <td>4.0</td> <td>100%</td> <td>Private</td> <td>11</td> | 11 | SHAGBARK HICKORY | 22.5 | 7.0 | GOOD | ONE SIDED FORM | CROWDING BY ADJACENT TREE | REMOVE | 2.4 | 4.0 | 100% | Private | 11 |
| 13 IRCONVOCD 11-15 8.0 GOOD MULTI-STEMMED ONE SIDE FORM, CROWING BY ADJACENT TREE REMOVE 2.4 4.0 100% Private 13 14 HONEYLOCUST 11.0 4.5 GOOD IRREGULAR FORM SIGNIFICANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Public - ROW 14 15 HONEYLOCUST 3-7 5.0 GOOD MULTI-STEMMED SIGNIFICANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Public - ROW 15 16 IVORY SILK 18.0 5.0 GOOD FORM SIGNIFICANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Public - ROW 16 17 IVORY SILK 18.0 5.0 GOOD FORM SUCKER GROWTH AT BASE PRESERVE 2.4 4.0 0% Public - ROW 17 18 IVORY SILK 18.0 5.0 GOOD ASYMMETRICAL FORM SUCKER GROWTH AT BASE PRESERVE 2.4 4.0 0% Public - ROW 18 | 12 | SHAGBARK HICKORY | 18.0 | 6.0 | GOOD | ONE SIDED FORM | CROWDING BY ADJACENT TREE | REMOVE | 2.4 | 4.0 | 100% | Private | 12 |
| 14 HONEYLOCUST 11.0 4.5 GOOD IRREGULAR FORM SIGNIFICANT SUCKER GROWTH AT BASE REMOVE 2.4 4.0 100% Public - ROW 14 15 HONEYLOCUST 3-7 5.0 GOOD MULTI-STEMMED SIGNIFICANT SUCKER GROWTH AT BASE REMOVE 1.8 1.8 100% Public - ROW 15 16 IVARY SILK 19.0 5.0 GOOD GOOD FORM SIGNIFICANT SUCKER INFORM WOUND AND DECAY PRESERVE 2.4 4.0 100% Public - ROW 17 10 KORY SILK 818 5.0 GOOD GOOD FORM DEAD LIMB AND SIGNIFICANT WOUND AND DECAY PRESERVE 2.4 4.0 0% Public - ROW 17 10 KORY SILK 11.0 5.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 2.4 4.0 0% Public - ROW 18 10 ACK 11.0 5.0 GOOD ASYMMETRICAL FORM SIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 20 | 13 | IRONWOOD | 11-15 | 8.0 | GOOD | MULTI-STEMMED | ONE SIDED FORM, CROWDING BY ADJACENT TREE | REMOVE | 2.4 | 4.0 | 100% | Private | 13 |
| 15 HONEYLOCUST 3-7 5.0 GOOD MULTESTEMMED SKINFICANT SUCKER GROWTH AT BASE REMOVE 1.8 1.8 1.00% Public - ROW 15 16 MORY SLK 19.0 5.0 GOOD GOOD FORM SKINFICANT SUCKER ING LIMB AT BASE REMOVE 2.4 4.0 100% Public - ROW 16 17 MORY SLK 8-18 5.0 POOR-FAIR ONE SIDED FORM DEAD LIMB AND SIGNIFICANT WOUND AND DECAY PRESERVE 2.4 4.0 0% Public - ROW 17 ILAC ILAC 18.0 5.0 GOOD FORM SUCKER GROWTH AT BASE PRESERVE 2.4 4.0 0% Public - ROW 18 ILAC 1.0.4 0.0 GOOD ASYMMETRICAL FORM SLIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 20 10 VORY SILK 16.0 4.0 GOOD ASYMMETRICAL FORM SLIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 20 10 | 14 | HONEYLOCUST | 11.0 | 4.5 | GOOD | IRREGULAR FORM | SIGNIFICANT SUCKER GROWTH AT BASE | REMOVE | 2.4 | 4.0 | 100% | Public - ROW | 14 |
| 16 IVORY SILK 19.0 5.0 GOOD GOOD FORM SIGNIFICANT SUCKERING LIMB AT BASE REMOVE 2.4 4.0 100% Public - ROW 16 17 NORY SILK 8-18 5.0 POOR-FAIR ONE SIDED FORM DEAD LIMB AND SIGNIFICANT WOUND AND DECAY PRESERVE 2.4 4.0 0% Public - ROW 17 18 NORY SILK 18.0 5.0 GOOD GOOD FORM DEAD LIMB AND SIGNIFICANT WOUND AND DECAY PRESERVE 2.4 4.0 0% Public - ROW 18 19 NORY SILK 118.0 5.0 GOOD ASYMMETRICAL FORM SLIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 19 10AC 10.0 4.0 GOOD ASYMMETRICAL FORM SLIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 20 21 AMUR MAPLE 22.0 6.0 POOR-FAIR MULTI-STEMMED SUCKER GROWTH THROUGHOUT, DIEBACK IN CROWN PRESERVE 2.4 4.0 0% Public - ROW 21 22 HONEYLOCUST 11.0 6.0 GOOD MULTI-STEMMED | 15 | HONEYLOCUST | 3-7 | 5.0 | GOOD | MULTI-STEMMED | SIGNIFICANT SUCKER GROWTH AT BASE | REMOVE | 1.8 | 1.8 | 100% | Public - ROW | 15 |
| 17 IVORY SILK LLAC 8-18 5.0 POOR-FAIR ONE SIDED FORM DEAD LIMB AND SIGNIFICANT WOUND AND DECAY PRESERVE 2.4 4.0 0% Public - ROW 17 18 IVORY SILK LLAC 18.0 5.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 2.4 4.0 0% Public - ROW 18 19 NORY SILK LLAC 17.0 5.0 GOOD ASYMMETRICAL FORM SLIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 19 20 NORY SILK LLAC 16.0 4.0 GOOD ASYMMETRICAL FORM SLIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 20 21 AMUR MAPLE 22.0 6.0 POOR-FAIR MULTI-STEMMED SUCKER GROWTH THROUGHOUT, DIEBACK IN CROWN PRESERVE 2.4 4.0 0% Public - ROW 21 22 HONEYLOCUST 11.0 6.0 GOOD MULTI-STEMMED ASYMMETRICAL FORM, BRANCHING TO GRADE PRESERVE 2.4 4.0 0% Public - ROW 23 24 HONEYLOCUST 11.0 | 16 | IVORY SILK LILAC | 19.0 | 5.0 | GOOD | GOOD FORM | SIGNIFICANT SUCKERING LIMB AT BASE | REMOVE | 2.4 | 4.0 | 100% | Public - ROW | 16 |
| 18 IVORY SILK LILAC 18.0 5.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 2.4 4.0 0% Public - ROW 18 19 NORY SILK LILAC 17.0 5.0 GOOD ASYMMETRICAL FORM SLIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 19 20 NORY SILK LILAC 16.0 4.0 GOOD ASYMMETRICAL FORM SLIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 20 21 AMUR MAPLE 22.0 6.0 POOR-FAIR MULTI-STEMMED SUCKER GROWTH THROUGHOUT, DIEBACK IN CROWN PRESERVE 2.4 4.0 0% Public - ROW 21 22 HONEYLOCUST 11.0 6.0 GOOD MULTI-STEMMED ASYMMETRICAL FORM, BRANCHING TO GRADE PRESERVE 2.4 4.0 0% Public - ROW 22 23 AMUR MAPLE 37.0 10.0 FAIR IRREGULAR FORM MULTIPLE LEADERS, EPICOMIC GROWTH AND WATER PRESERVE 2.4 4.0 0% <td>17</td> <td>IVORY SILK LILAC</td> <td>8-18</td> <td>5.0</td> <td>POOR-FAIR</td> <td>ONE SIDED FORM</td> <td>DEAD LIMB AND SIGNIFICANT WOUND AND DECAY ALONG STEM</td> <td>PRESERVE</td> <td>2.4</td> <td>4.0</td> <td>0%</td> <td>Public - ROW</td> <td>17</td> | 17 | IVORY SILK LILAC | 8-18 | 5.0 | POOR-FAIR | ONE SIDED FORM | DEAD LIMB AND SIGNIFICANT WOUND AND DECAY ALONG STEM | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | 17 |
| 19 IVORY SILK 17.0 5.0 GOOD ASYMMETRICAL FORM SLIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 19 20 IVORY SILK 16.0 4.0 GOOD ASYMMETRICAL FORM SLIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 20 21 AMUR MAPLE 22.0 6.0 POOR-FAIR MULTI-STEMMED SUCKER GROWTH THROUGHOUT, DIEBACK IN CROWN PRESERVE 2.4 4.0 0% Public - ROW 21 22 HONEYLOCUST 11.0 6.0 GOOD MULTI-STEMMED ASYMMETRICAL FORM, BRANCHING TO GRADE PRESERVE 2.4 4.0 0% Public - ROW 22 23 AMUR MAPLE 37.0 10.0 FAIR IRREGULAR FORM MULTIPLE LEADERS, EPICORMIC GROWTH AND WATER PRESERVE 2.4 4.0 0% Public - ROW 23 24 IVORY SILK 3.0 2.0 GOOD GOOD FORM BASAL DECAY PRESERVE 1.8 1.8 0% Public - RO | 18 | IVORY SILK LILAC | 18.0 | 5.0 | GOOD | GOOD FORM | SUCKER GROWTH AT BASE | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | 18 |
| 20 IVORY SILK LUAC 16.0 4.0 GOOD ASYMMETRICAL FORM SLIGHT LEAN PRESERVE 2.4 4.0 0% Public - ROW 20 21 AMUR MAPLE 22.0 6.0 POOR-FAIR MULTI-STEMMED SUCKER GROWTH THROUGHOUT, DIEBACK IN CROWN PRESERVE 2.4 4.0 0% Public - ROW 21 22 HONEYLOCUST 11.0 6.0 GOOD MULTI-STEMMED ASYMMETRICAL FORM, BRANCHING TO GRADE PRESERVE 2.4 4.0 0% Public - ROW 22 23 AMUR MAPLE 37.0 10.0 FAIR IRREGULAR FORM MULTIPLE LEADERS, EPICORMIC GROWTH AND WATER PRESERVE 2.4 4.0 0% Public - ROW 23 24 IVORY SILK 3.0 2.0 GOOD GOOD FORM BASAL DECAY PRESERVE 1.8 1.8 0% Public - ROW 24 25 IVORY SILK 3.0 2.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% Publi | 19 | IVORY SILK LILAC | 17.0 | 5.0 | GOOD | ASYMMETRICAL FORM | SLIGHT LEAN | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | 19 |
| 21 AMUR MAPLE 22.0 6.0 POOR-FAIR MULTI-STEMMED SUCKER GROWTH THROUGHOUT, DIEBACK IN CROWN PRESERVE 2.4 4.0 0% Public - ROW 21 22 HONEYLOCUST 11.0 6.0 GOOD MULTI-STEMMED ASYMMETRICAL FORM, BRANCHING TO GRADE PRESERVE 2.4 4.0 0% Public - ROW 22 23 AMUR MAPLE 37.0 10.0 FAIR IRREGULAR FORM MULTIPLE LEADERS, EPICORMIC GROWTH AND WATER SPROUTS THROUGHOUT PRESERVE 2.4 4.0 0% Public - ROW 23 24 IVORY SILK 3.0 2.0 GOOD GOOD FORM BASAL DECAY PRESERVE 1.8 1.8 0% Public - ROW 24 25 IVORY SILK 7.0 2.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% Public - ROW 25 26 ORNAMENTAL PEAR 8.0 3.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% <td>20</td> <td>IVORY SILK LILAC</td> <td>16.0</td> <td>4.0</td> <td>GOOD</td> <td>ASYMMETRICAL FORM</td> <td>SLIGHT LEAN</td> <td>PRESERVE</td> <td>2.4</td> <td>4.0</td> <td>0%</td> <td>Public - ROW</td> <td>20</td> | 20 | IVORY SILK LILAC | 16.0 | 4.0 | GOOD | ASYMMETRICAL FORM | SLIGHT LEAN | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | 20 |
| 22 HONEYLOCUST 11.0 6.0 GOOD MULTI-STEMMED ASYMMETRICAL FORM, BRANCHING TO GRADE PRESERVE 2.4 4.0 0% Public - ROW 22 23 AMUR MAPLE 37.0 10.0 FAIR IRREGULAR FORM MULTIPLE LEADERS, EPICORMIC GROWTH AND WATER SPROUTS THROUGHOUT PRESERVE 2.4 4.0 0% Public - ROW 23 24 IVORY SILK LILAC 3.0 2.0 GOOD GOOD FORM BASAL DECAY PRESERVE 1.8 1.8 0% Public - ROW 24 25 IVORY SILK LILAC 7.0 2.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% Public - ROW 25 26 ORNAMENTAL PEAR 8.0 3.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% Public - ROW 26 27 ORNAMENTAL PEAR 8.0 3.0 GOOD GOOD FORM SUCKER GROWTH ON STEM PRESERVE 1.8 1.8 0% <th< td=""><td>21</td><td>AMUR MAPLE</td><td>22.0</td><td>6.0</td><td>POOR-FAIR</td><td>MULTI-STEMMED</td><td>SUCKER GROWTH THROUGHOUT, DIEBACK IN CROWN</td><td>PRESERVE</td><td>2.4</td><td>4.0</td><td>0%</td><td>Public - ROW</td><td>21</td></th<> | 21 | AMUR MAPLE | 22.0 | 6.0 | POOR-FAIR | MULTI-STEMMED | SUCKER GROWTH THROUGHOUT, DIEBACK IN CROWN | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | 21 |
| 23 AMUR MAPLE 37.0 10.0 FAIR IRREGULAR FORM MULTIPLE LEADERS, EPICORMIC GROWTH AND WATER SPROUTS THROUGHOUT PRESERVE 2.4 4.0 0% Public - ROW 23 24 IVORY SILK LIAC 3.0 2.0 GOOD GOOD FORM BASAL DECAY PRESERVE 1.8 1.8 0% Public - ROW 24 25 IVORY SILK LIAC 7.0 2.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% Public - ROW 25 26 ORNAMENTAL PEAR 8.0 3.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% Public - ROW 26 27 ORNAMENTAL PEAR 8.0 3.0 GOOD GOOD FORM SUCKER GROWTH ON STEM PRESERVE 1.8 1.8 0% Public - ROW 26 28 WHITE ASH WHIP-12 8.0 FAIR MULTI-STEMMED CROWDED BY ADJACENT VINES AND BUCKTHORN REMOVE 2.4 4.0 100% <t< td=""><td>22</td><td>HONEYLOCUST</td><td>11.0</td><td>6.0</td><td>GOOD</td><td>MULTI-STEMMED</td><td>ASYMMETRICAL FORM, BRANCHING TO GRADE</td><td>PRESERVE</td><td>2.4</td><td>4.0</td><td>0%</td><td>Public - ROW</td><td>22</td></t<> | 22 | HONEYLOCUST | 11.0 | 6.0 | GOOD | MULTI-STEMMED | ASYMMETRICAL FORM, BRANCHING TO GRADE | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | 22 |
| 24 IVORY SILK LILAC 3.0 2.0 GOOD GOOD FORM BASAL DECAY PRESERVE 1.8 1.8 0% Public - ROW 24 25 IVORY SILK LILAC 7.0 2.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% Public - ROW 25 26 ORNAMENTAL PEAR 8.0 3.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% Public - ROW 26 27 ORNAMENTAL PEAR 8.0 3.0 GOOD GOOD FORM SUCKER GROWTH ON STEM PRESERVE 1.8 1.8 0% Public - ROW 26 27 ORNAMENTAL PEAR 6.0 3.0 GOOD GOOD FORM SUCKER GROWTH ON STEM PRESERVE 1.8 1.8 0% Public - ROW 27 28 WHITE ASH WHIP-12 8.0 FAIR MULTI-STEMMED CROWDED BY ADJACENT VINES AND BUCKTHORN REMOVE 2.4 4.0 100% Private 28 <td>23</td> <td>AMUR MAPLE</td> <td>37.0</td> <td>10.0</td> <td>FAIR</td> <td>IRREGULAR FORM</td> <td>MULTIPLE LEADERS, EPICORMIC GROWTH AND WATER SPROUTS THROUGHOUT</td> <td>PRESERVE</td> <td>2.4</td> <td>4.0</td> <td>0%</td> <td>Public - ROW</td> <td>23</td> | 23 | AMUR MAPLE | 37.0 | 10.0 | FAIR | IRREGULAR FORM | MULTIPLE LEADERS, EPICORMIC GROWTH AND WATER SPROUTS THROUGHOUT | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | 23 |
| 25 IVORY SILK LILAC 7.0 2.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% Public - ROW 25 26 ORNAMENTAL PEAR 8.0 3.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% Public - ROW 26 27 ORNAMENTAL PEAR 6.0 3.0 GOOD GOOD FORM SUCKER GROWTH ON STEM PRESERVE 1.8 1.8 0% Public - ROW 27 28 WHITE ASH WHIP-12 8.0 FAIR MULTI-STEMMED CROWDED BY ADJACENT VINES AND BUCKTHORN MASSES REMOVE 2.4 4.0 100% Private 28 | 24 | IVORY SILK LILAC | 3.0 | 2.0 | GOOD | GOOD FORM | BASAL DECAY | PRESERVE | 1.8 | 1.8 | 0% | Public - ROW | 24 |
| 26 ORNAMENTAL PEAR 8.0 3.0 GOOD GOOD FORM SUCKER GROWTH AT BASE PRESERVE 1.8 1.8 0% Public - ROW 26 27 ORNAMENTAL PEAR 6.0 3.0 GOOD GOOD FORM SUCKER GROWTH ON STEM PRESERVE 1.8 1.8 0% Public - ROW 26 28 WHITE ASH WHIP-12 8.0 FAIR MULTI-STEMMED CROWDED BY ADJACENT VINES AND BUCKTHORN MASSES REMOVE 2.4 4.0 100% Private 28 | 25 | IVORY SILK LILAC | 7.0 | 2.0 | GOOD | GOOD FORM | SUCKER GROWTH AT BASE | PRESERVE | 1.8 | 1.8 | 0% | Public - ROW | 25 |
| 27 ORNAMENTAL PEAR 6.0 3.0 GOOD GOOD FORM SUCKER GROWTH ON STEM PRESERVE 1.8 1.8 0% Public - ROW 27 28 WHITE ASH WHIP-12 8.0 FAIR MULTI-STEMMED CROWDED BY ADJACENT VINES AND BUCKTHORN MASSES REMOVE 2.4 4.0 100% Private 28 | 26 | ORNAMENTAL PEAR | 8.0 | 3.0 | GOOD | GOOD FORM | SUCKER GROWTH AT BASE | PRESERVE | 1.8 | 1.8 | 0% | Public - ROW | 26 |
| 28 WHITE ASH WHIP-12 8.0 FAIR MULTI-STEMMED CROWDED BY ADJACENT VINES AND BUCKTHORN REMOVE 2.4 4.0 100% Private 28 VANDE MASSES | 27 | ORNAMENTAL PEAR | 6.0 | 3.0 | GOOD | GOOD FORM | SUCKER GROWTH ON STEM | PRESERVE | 1.8 | 1.8 | 0% | Public - ROW | 27 |
| | 28 | WHITE ASH | WHIP-12 | 8.0 | FAIR | MULTI-STEMMED | CROWDED BY ADJACENT VINES AND BUCKTHORN MASSES | REMOVE | 2.4 | 4.0 | 100% | Private | 28 |

ARBORIST REPORT 4385 Mainway, Burlington

Observations

The trees inventoried within and immediately adjacent to the site are described as primarily immature to semi-mature groupings of trees as well as planted boulevard trees. Most of the trees internal to the site occur along the northeast corner of the property. An existing row of boulevard trees occurs along the Mainway right of way.

The groupings of trees are composed mostly of immature to semi-mature Shagbark Hickory, Basswood and dead Ash trees. These groupings are crowded by dense clusters of Buckthorn and Hawthorn trees as well as Wild Grape Vines. With the exception of a few, most of these trees are in generally good health and condition. The boulevard trees are composed of Honey Locust, Ivory Silk Lilac, Amur Maple and Ornamental Pear. These trees are in generally fair to good health; however, significant suckering and basal decay have been observed on many.

Discussion

Based on the proposed construction, grading and servicing requirements, all the trees within the subject property will require removal. In addition, to facilitate a new driveway accessed off Mainway, three municipal boulevard trees, Tree #14, #15 & #16 will require removal as they are currently located within the driveway footprint. This proposed driveway is restricted to its current location due to the existing utilities including an existing FH and Hydro Pole. As such, conflicts would arise if the driveway were shifted further down not only from a utility perspective, but as well as it would require the removal of additional City trees. In addition, the access would no longer be feasible from an operation perspective should the driveway be moved further south; the Mainway access is the only entrance/exit for the trucks to access the rear loading area, and the trucks require sufficient space for turning movements in/out of the site. (*Refer to Appendix B – Mainway Entrance Detail*)

Further to the point above, there are three existing driveways adjacent to the subject property. The proposed driveway is therefore positioned in between to help better align with the existing driveway. Per the appended Mainway Entrance detail, it is also demonstrated that a 20m wide driveway is better supported versus a 15m driveway as the 15m driveway creates a dangerous ROW. Please refer to the Mainway entrance detail that was submitted as part of the site plan submission package on April 4, 2022. In addition, this report also appends the original comments matrix as prepared by Menkes and submitted to the City on April 4, 2022.

Menkes has explored alternative driveway layout and location options and has offered the City of Burlington Forestry Department this explanation for the proposed driveway location that was provided within the April 4th submission package:

"Our design team has reviewed the City's suggestion to reduce the driveway from 20m to 15m in hopes of retaining 1 City tree and potentially a private tree. From a landscape perspective, with introducing the additional 7.5 regulatory area per CH's comments, the driveway has naturally had to shift further south in order to accommodate this new setback. As such, 3 municipal trees (and various private trees) are unfortunately still required form removal. In an effort to reduce the driveway to 15m to sae the 3rd City tree (tree #16), the Arborist has reviewed this revision and tree #16 would not be able to be preserved as the tree protection zone wouldn't be able to properly shield the tree due to the future driveway/curb cut. In a addition to this, our arborist has revisited the site on March 29th and found that the City trees in questions were not mature nor where they in great condition. As such, our proposal seeks to improve and upgrade the streetscape within proximity to the site and municipal ROW".

ARBORIST REPORT 4385 Mainway, Burlington

Finally, as Menkes discussed with Forestry; City Planning, Transportation and Engineering do not have any concerns as it relates to the size and location of the proposed driveway. We trust the justification and supporting materials within this report are acceptable for the removal of City Trees 14, 15 & 16.

Separate from this, the proposal includes the planting of 68 new trees, which exceeds the compensation requirements. We trust this can sufficiently address the removal of the private trees within the site limits. Please refer to the response memo prepared by Strybos Barron King Landscape Architecture dated April 1, 2022"

Table 1 – Excerpt from Menkes' Response Matrix (April 4, 2022) RESPONSE MATRIX

RESPONSE MATRIX 4385 Mainway, Burlington File No: 535-010/21 Date: April 4, 2022

| ITEM | COMMENT | RESPONSE |
|------|--|--|
| | PLANNING BY ANDREAS HOULIOS, DATED JANUARY 14, 2022 | |
| 1 | Show/confirm how roof top mechanical is being screened. | Please refer to diagrams 3 on plan A101 which demonstrates that the roof top units are sufficiently setback from the parapet wall, and therefore show sufficient screen-level from the public view. We understand this item can be cleared. |
| 2 | Confirm the colours being used. | Please refer to A300 – BUILDING ELEVATIONS for detailed descriptions of exterior finishes and other site plan & elevation related items (overhead doors, bollards, signage, etc.) We understand this item can be cleared. |
| . 3 | Ensure that the Hydro transformer pad location complies with zoning (i.e. not in landscape buffer). | Please refer to the revised site plan drawing; the transformer is not surrounded by any landscape nor is it within the landscape buffer. We understand this item can be cleared. |
| 4 | Suggest complying with parking requirements. | Based on the revised building GFA, the required parking is 182 spaces, which has been calculated using the Warehouse (and Logistics) parking rate (1.5 spaces per 100m2 of GFA) seeing as the development is less than 4 industrial/office uses. The proposed development conforms with the parking requirement. |
| | | We understand this item can be cleared. |
| | ZONING – PLANNING DEPT BY MARK DALRYMPLE, DATED SEPT 3, 2021 | |
| 1 | Site plan to be updated to show the deemed width of Mainway and apply all applicable zoning regulations from the deemed width (excerpt from Site Engineering's comments below): | It is understood that the right-of-way width requirements for Mainway is 30m. Following various conversations with municipal staff including Andreas Houlios, Nickolas Pongetti and Mark Dalrymple, our land surveyor completed a field review of Mainway to determine the ROW requirements. Based on the updated survey, a 15m measurement has been established from the CL (Centerline) on Mainway in order to depict the possible road widening. As such, a ~1.91m widening has been identified and is shown on all revised plans. Please advise next steps to facilitate this requirement, including the r-plan requirement. |
| | | we understand this item can be cleared. |

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| ITEM | COMMENT | RESPONSE |
|------|---|---|
| 15 | The photometrics plan identified lighting. Where are the fixtures located? Provide catalogue cuts for the fixtures. | Please refer to the updated photometrics plan that identifies multiple wallpacks lighting fixtures affixed to the building façade, as well as 1 light standard. Please also refer to the Luminaire Detail Plan and cut sheets for greater details. In addition, the elevation and site plan drawings identify the wallpack locations and single light standard. |
| | | We understand this item can be cleared. |
| 16 | Is a pylon sign being proposed? | Signage is not being shown on the site plan at this time. |
| 17 | Is the proposed snow storage area large enough to accommodate the entire site? | In times of heavy precipitation, excess snow removal will be provided through a private snow removal service in addition to the proposed dedicated areas for on-site snow storage. Please refer to the site plan drawing for the snow storage area, including a note regarding how the snow removal will be handled privately with a future contractor. |
| | | We understand this item can be cleared. |
| 18 | The North-East driveway entrance is very wide. Per OPSD 350.010, assuming Heavy Industrial, the appropriate widths are 9.0m - 15.0m for two-way traffic. | As discussed with Forestry and Planning Departments on March 11, since the last submission was made, Menkes has had to demonstrate an additional 7.5m regulatory limit on all plans to address Conservation Halton's (CH) comments. Within this regulatory area, development/structures aren't permitted. As a result, the drive aisle and associated parking that was once located on the northern limits of the site has been removed to accommodate the additional 7.5m setback. In light of this revision, the only entrance/exit for trucks to utilize is from Mainway. |
| | | Our design team has reviewed the City's suggestion to reduce the driveway from 20m to 15m in hopes of retaining 1 City tree and potentially a private tree. From a landscape perspective, with introducing the additional 7.5 regulatory area per CH's comments, the driveway has naturally had to shift further south in order to accommodate this new setback. As a such, 3 municipal trees (and various private trees) are unfortunately still required for removal. In an effort to reduce the driveway to 15m to save the 3 rd City Tree (tree #16), the arborist has reviewed this revision and per the enclosed sketch (below). Tree #16 tree would not be able to be preserved as the tree protection zone wouldn't be able to properly shield the tree due to the future driveway/curb cut. In addition to this, our arborist has revisited the site on March 29 th and found that the City trees in question were no mature nor where they in great condition. As such, our proposal seeks to improve and upgrade the streetscape within proximity to the site and municipal ROW. Separate from this, the proposal includes the planting of 70 new trees, which exceeds the compensation requirement. We trust this can sufficiently address the removal of the private trees within the site limits. Please refer to the response memo prepared by Strybos Barron King Landscape Architecture dated April 1, 2022. Pleas also refer to the 'Discussions' Section and related photos, and the 'Calculation of Tree Removal Compensation' section within the Arborist Report, all of which speak to this driveway. |

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ARBORIST REPORT 4385 Mainway, Burlington



Tree Removals

In determining the tree preservation recommendations for the site, the criteria noted below were considered:

- Overall tree health, form, size, species and predicated longevity.
- Anticipated impact from construction of buildings and proposed landscape features, road works, site servicing and grading.

Each tree was assigned a Minimum Tree Preservation Zone (MTPZ) as per City of Burlington standard requirements (Refer to Table1-Tree Protection Zones).

ARBORIST REPORT 4385 Mainway, Burlington

| 18. | Table 1 – Minimum Tree Protection Zo | | | | |
|-----------------------------------|--|--|--|--|--|
| Trunk Diameter (DBH) ² | Minimum Tree Protection Zone (MTPZ) Distances Required ³ | Critical Root Zone (CRZ) Distances Required 384 | | | |
| < 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 | | | |

Table 2 - Tree Protection Zones

Trees are recommended for preservation or removal based on proximity of the TPZ to the limit of construction, in conjunction with the overall tree health, size and anticipated ability to withstand root or crown impacts.

City of Burlington Private Tree Bylaw

The City of Burlington's Private Tree Bylaw prohibits the removal of all trees found on private property of 20cm DBH (Diameter at Breast Height) or greater or the removal of more than five trees of greater than 10cm DBH and less than 20cm DBH in one calendar year without a permit to do so.

The provisions of this bylaw do not apply to the injury, destruction or removal of trees where the removal of the tree is for the purpose of satisfying condition to the approval of a site plan, or a plan of subdivision. However, the City of Burlington's tree compensation requirement does apply.

Tree Compensation Requirements

In accordance with the City Site Plan guidelines, tree replacement requirements apply to trees greater than or equal to 15cm. The city uses an aggregate caliper method for determination of replacement requirements and looks for replacements at 50mm caliper size.

If sufficient planting area is not available to accommodate the required compensation planting, the City will accept cash in-lieu of planting for 5cm trees. The amount per tree is to be confirmed by the City.

Trees 2 to Tree 13 all meet the criteria for replacement requirements. The city prefers 50mm caliper size trees for replacements. Based on the proposed Landscape Pln L100 – a total of 39 deciduous trees (mixe of 70mm and 50mm caliper), and 29 coniferous are proposed for a total of 68 trees. The city has deemed the plantings as proposed on the L100 Landscape Plan by Strybos barron King dated July 12, 2021 satisfy the privet tree replacement squantities.

ARBORIST REPORT 4385 Mainway, Burlington

Tree Preservation and Construction Mitigation Recommendations

The following tree protection measures are recommended to be undertaken by the owner to successfully preserve the trees noted on the Tree Preservation Plan.

Pre-Construction

Tree Protection Hoarding

- All trees to be preserved will be protected with City approved tree protection hoarding. This hoarding shall be maintained for the duration of site construction. It shall not be removed until authorized by the Consulting Arborist and the City. The hoarding shall be constructed at the location as noted on the Tree Inventory & Preservation Plan (V100).
- Once installed, the limits of protection hoarding shall be approved in the field by the Consulting Arborist.

During Construction

- Areas within the protection hoarding shall remain undisturbed for the duration of site construction and shall not be used for the storage of excavated fill, building materials, structures, or equipment.
- No cables of any type shall be wrapped around or installed in trees to be preserved. No contaminants will be dumped or flushed where feeder roots of trees exist.
- Where limbs or portions of trees require pruning to remove deadwood or accommodate construction, they will be removed by a qualified Arborist in accordance with acceptable arboricultural practice.

Post-Construction

- Following construction, the limits of the "Tree Protection Zone" shall be inspected by the Consulting Arborist. Any pruning, watering, fertilization, or replacement requirements will be determined at that time.
- Tree protection hoarding may be removed to facilitate final landscape fine grading and tree planting. This must be completed under the review of the Consulting Arborist.

To ensure that the above measures are properly implemented, the Consulting Arborist shall be involved at the following stages of construction:

- 1. Upon layout and installation of protective hoarding and root protection layer
- 2. Periodically during construction to ensure that hoarding remains in place and no damage occurs to trees to be preserved
- 3. Upon fine grading of site or other landscape works
- 4. Upon completion of construction activities

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Conclusion

Strybos Barron King Ltd. was retained by Menkes Barnett Burlington II Inc. to prepare an Arborist Report for the subject property in accordance with City of Burlington requirements. The report summarizes the trees inventoried within and immediately adjacent to the site and provides recommendations for retention and removal in context with the proposed site plan. The *V100 – Tree Inventory & Preservation Plan* should be used as a reference with this report for detailed information pertaining to existing trees.

The owner is proposing to construct a new warehouse facility including parking and loading areas on the property. Due to the constraints of the proposed limits of construction, all trees internal to the site and three, city owned boulevard trees will require removal. The three municipal trees all exhibit significant sucker growth at the base. In all, twelve trees 15cm DBH and greater will require removal. All trees to be preserved are to be preserved and protected using City approved tree protection hoarding.

Prepared By: STRYBOS BARRON KING LTD.

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Matthew Gehres I.S.A. Certified Arborist ON-1114A Senior Landscape Technologist Ext. 228

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Appendix A – CONTEXTUAL TREE INVENTORY & PRESERVATION PLAN



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Appendix C – SITE PHOTOGRAPHS



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ARBORIST REPORT 1770 Appleby Line, Burlington



Appendix C – TREE PROTECTION HOARDING DETAIL

Tree Protection and Preservation Specification No.: SS12A



TREE PROTECTION BARRIER

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. The required barrier is a 1.2 metre (4 ft) high orange plastic web snow fencing on 2" x 4" frame. Where orange plastic web snow fencing creates a restriction to sightlines, page wire fencing with reflective tape can be used.
- 2. Tree protection barriers are to be erected prior to the commencement of any construction or grading activities on the site and are to remain in place throughout the entire duration of the project. The barriers shall be maintained erect and in good repair throughout the duration of construction operations with breaks and unsupported sections repaired immediately. Tree protection may be not be removed prior to the completion of construction without written authorization from the City Arborist.
- 3. All supports and bracing used to safely secure the barrier should be located outside the MTPZ. All supports and bracing should minimize damage to roots.
- 4. Where some fill or excavated material must be temporarily located near a MTPZ, a wooden barrier with silt fencing must be used to ensure no material enters the MTPZ.
- 5. No materials or fill may be stored within the MTPZ.
- 6. Equipment or vehicles shall not be operated, parked, repaired, or refueled within the MTPZ.
- 7. No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the MTPZ without written authorization from the City Arborist.
- A laminated Minimum Tree Protection Zone sign (See Detail TP-3 Minimum Tree Protection Zone Sign) must be attached to the side of the Tree Protection where it will be visible by persons entering the site. Minimum size must be 10"x14".



ALL TREES 10cm AND GREATER HAVE BEEN INVENTORIED AS A PART OF THIS APPLICATION

| EX | ISTING TRE | | NTOR | Y | | | | | | | | |
|-----|---------------------|---------|--------|-----------|-------------------|--|--------------|----------|-----------------------|--------------------------------------|--------------|------|
| KEY | SPECIES | DBH | CROWN | HEALTH | STRUCTURE | COMMENTS | PRESERVATION | MIN. TPZ | CRITICAL ROOT ZONE | % OF CRITICAL ROOT ZONE IMPACT | OWNER | KEY |
| | | IN (cm) | IN (m) | G/F/P | | | DIRECTION | | | | | |
| 1 | AMUR MAPLE | 28.0 | 8.0 | GOOD | MULTIPLE LEADERS | ELEVATED CROWN, DIEBACK ON LOWER BRANCHES | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | / 1 |
| 2 | SHAGBARK HICKORY | 17.0 | 6.0 | GOOD | DOUBLE STEM | CROWDING BY ADJACENT TREE, ONE SIDED FORM | REMOVE | 2.4 | 4.0 | 100% | Private | 2 |
| 3 | SHAGBARK HICKORY | 19.5 | 7.0 | GOOD | DOUBLE STEM | CROWDING BY ADJACENT TREE, ONE SIDED FORM | REMOVE | 2.4 | 4.0 | 100% | Private | 3 |
| 4 | SHAGBARK HICKORY | 16.5 | 6.0 | GOOD | DOUBLE LEADER | CROWDING BY ADJACENT TREE, ONE SIDED FORM | REMOVE | 2.4 | 4.0 | 100% | Private | 4 |
| 5 | BASSWOOD | 5-20 | 9.0 | POOR | MULTI-STEMMED | BROAD FORM, DEAD LEADERS, DECLINING | REMOVE | 2.4 | 4.0 | 100% | Private | 5 |
| 6 | SHAGBARK HICKORY | 23-36 | 12.0 | GOOD | ASYMMETRICAL FORM | MULTI-STEMMED, CROWDING BY ADJACENT TREE | REMOVE | 2.4 | 4.0 | 100% | Private | 6 |
| 7 | SHAGBARK HICKORY | 18-24 | 10.0 | FAIR | MULTI-STEMMED | CROWDING BY ADJACENT TREE, VINE ENTANGLED | REMOVE | 2.4 | 4.0 | 100% | Private | 7 |
| 8 | HAWTHORN | 5-19 | 10.0 | GOOD | MULTI-STEMMED | ASYMMETRICAL FORM, CROWDING BY ADJACENT TREE | REMOVE | 2.4 | 4.0 | 100% | Private | 8 |
| 9 | SHAGBARK HICKORY | 21.0 | 8.0 | GOOD | NARROW FORM | CROWDING BY ADJACENT TREE, LOWER LIMBS VINE ENTANGLED | REMOVE | 2.4 | 4.0 | 100% | Private | 9 |
| 10 | BASSWOOD | 21.5 | 9.0 | GOOD | MULTI-STEMMED | ASYMMETRICAL FORM, CROWDING BY ADJACENT TREE, DIEBACK ON LOWER BRANCHES | REMOVE | 2.4 | 4.0 | 100% | Private | 10 |
| 11 | SHAGBARK HICKORY | 22.5 | 7.0 | GOOD | ONE SIDED FORM | CROWDING BY ADJACENT TREE | REMOVE | 2.4 | 4.0 | 100% | Private | 11 |
| 12 | SHAGBARK HICKORY | 18.0 | 6.0 | GOOD | ONE SIDED FORM | CROWDING BY ADJACENT TREE | REMOVE | 2.4 | 4.0 | 100% | Private | 12 |
| 13 | IRONWOOD | 11-15 | 8.0 | GOOD | MULTI-STEMMED | ONE SIDED FORM, CROWDING BY ADJACENT TREE | REMOVE | 2.4 | 4.0 | 100% | Private | 13 |
| 14 | HONEYLOCUST | 11.0 | 4.5 | GOOD | IRREGULAR FORM | SIGNIFICANT SUCKER GROWTH AT BASE | REMOVE | 2.4 | 4.0 | 100% | Public - ROW | / 14 |
| 15 | HONEYLOCUST | 3-7 | 5.0 | GOOD | MULTI-STEMMED | SIGNIFICANT SUCKER GROWTH AT BASE | REMOVE | 1.8 | 1.8 | 100% | Public - ROW | / 15 |
| 16 | IVORY SILK LILAC | 19.0 | 5.0 | GOOD | GOOD FORM | SIGNIFICANT SUCKERING LIMB AT BASE | REMOVE | 2.4 | 4.0 | 100% | Public - ROW | / 16 |
| 17 | IVORY SILK LILAC | 8-18 | 5.0 | POOR-FAIR | ONE SIDED FORM | DEAD LIMB AND SIGNIFICANT WOUND AND DECAY ALONG STEM | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | / 17 |
| 18 | IVORY SILK LILAC | 18.0 | 5.0 | GOOD | GOOD FORM | SUCKER GROWTH AT BASE | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | / 18 |
| 19 | IVORY SILK LILAC | 17.0 | 5.0 | GOOD | ASYMMETRICAL FORM | SLIGHT LEAN | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | / 19 |
| 20 | IVORY SILK LILAC | 16.0 | 4.0 | GOOD | ASYMMETRICAL FORM | SLIGHT LEAN | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | / 20 |
| 21 | AMUR MAPLE | 22.0 | 6.0 | POOR-FAIR | MULTI-STEMMED | SUCKER GROWTH THROUGHOUT, DIEBACK IN CROWN | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | / 21 |
| 22 | HONEYLOCUST | 11.0 | 6.0 | GOOD | MULTI-STEMMED | ASYMMETRICAL FORM, BRANCHING TO GRADE | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | / 22 |
| 23 | AMUR MAPLE | 37.0 | 10.0 | FAIR | IRREGULAR FORM | MULTIPLE LEADERS, EPICORMIC GROWTH AND WATER SPROUTS THROUGHOUT | PRESERVE | 2.4 | 4.0 | 0% | Public - ROW | / 23 |
| 24 | IVORY SILK LILAC | 3.0 | 2.0 | GOOD | GOOD FORM | BASAL DECAY | PRESERVE | 1.8 | 1.8 | 0% | Public - ROW | 24 |
| 25 | IVORY SILK LILAC | 7.0 | 2.0 | GOOD | GOOD FORM | SUCKER GROWTH AT BASE | PRESERVE | 1.8 | 1.8 | 0% | Public - ROW | 25 |
| 26 | ORNAMENTAL PEAR | 8.0 | 3.0 | GOOD | GOOD FORM | SUCKER GROWTH AT BASE | PRESERVE | 1.8 | 1.8 | 0% | Public - ROW | / 26 |
| 27 | ORNAMENTAL PEAR | 6.0 | 3.0 | GOOD | GOOD FORM | SUCKER GROWTH ON STEM | PRESERVE | 1.8 | 1.8 | 0% | Public - ROW | 27 |
| 28 | WHITE ASH | WHIP-12 | 8.0 | FAIR | MULTI-STEMMED | CROWDED BY ADJACENT VINES AND BUCKTHORN MASSES | REMOVE | 2.4 | 4.0 | 100% | Private | 28 |

2 EXISTING TREE INENTORY



Tree Protection and Preservation







