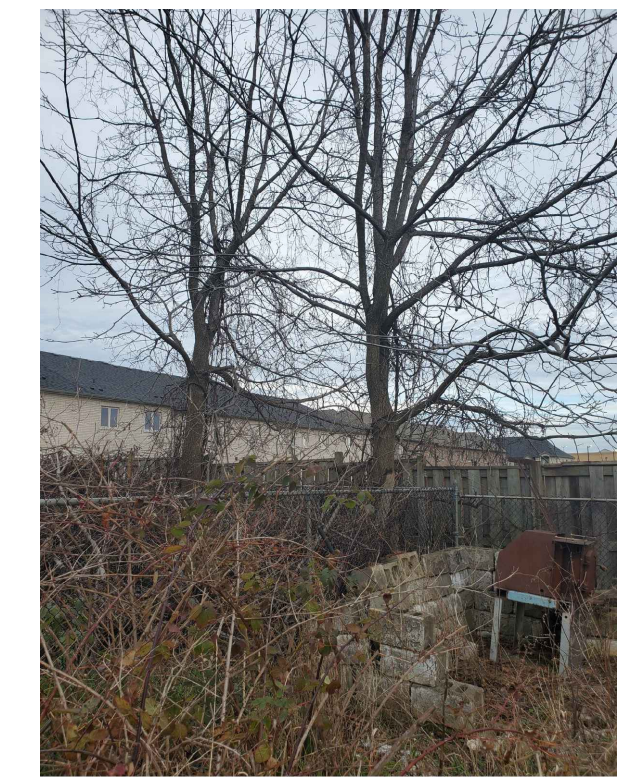


NOTE
 1. A Verification of Tree Protection Letter by the tree management professional is to be provided to the Director of Planning at the City of Hamilton to confirm that all tree protection measures have been installed prior to the undertaking of any grading activities.



Tree 5



Trees 7-8



Tree 9



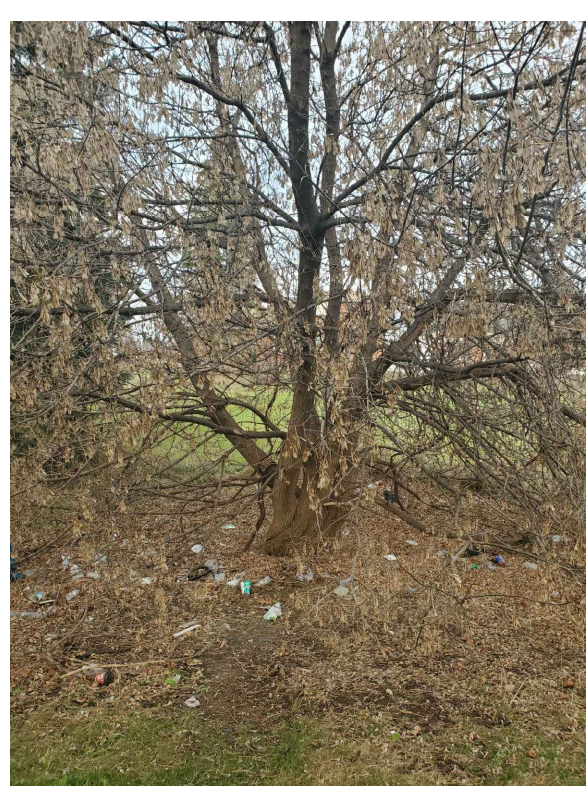
Tree 11



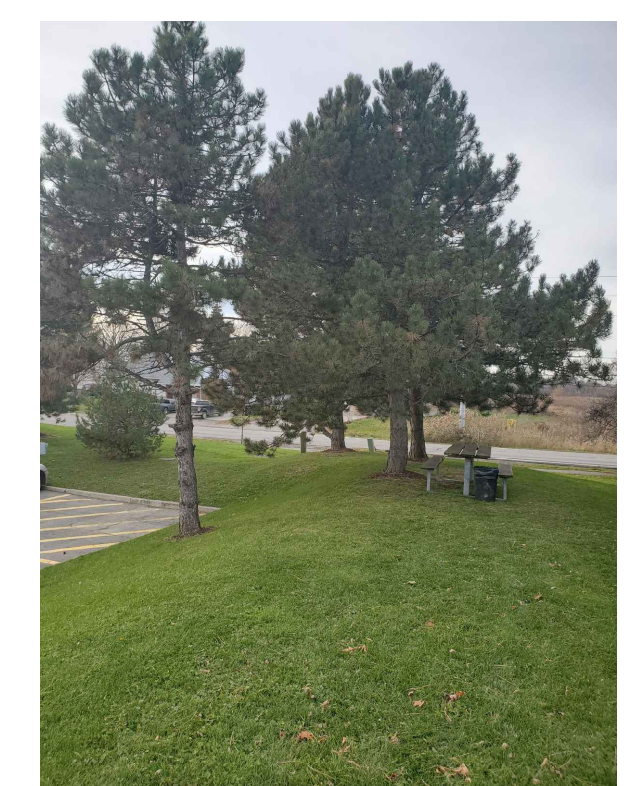
Trees 14-15



Trees 16-17



Tree 23



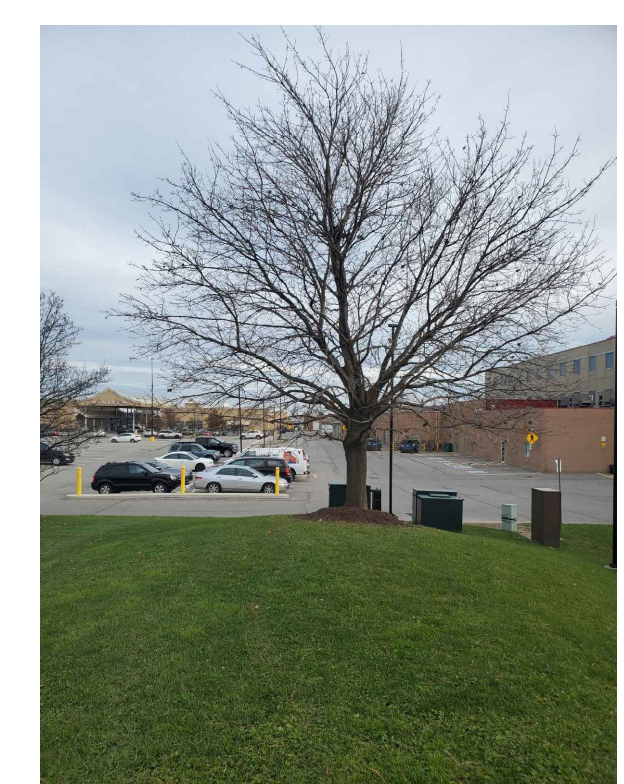
Trees 24-27



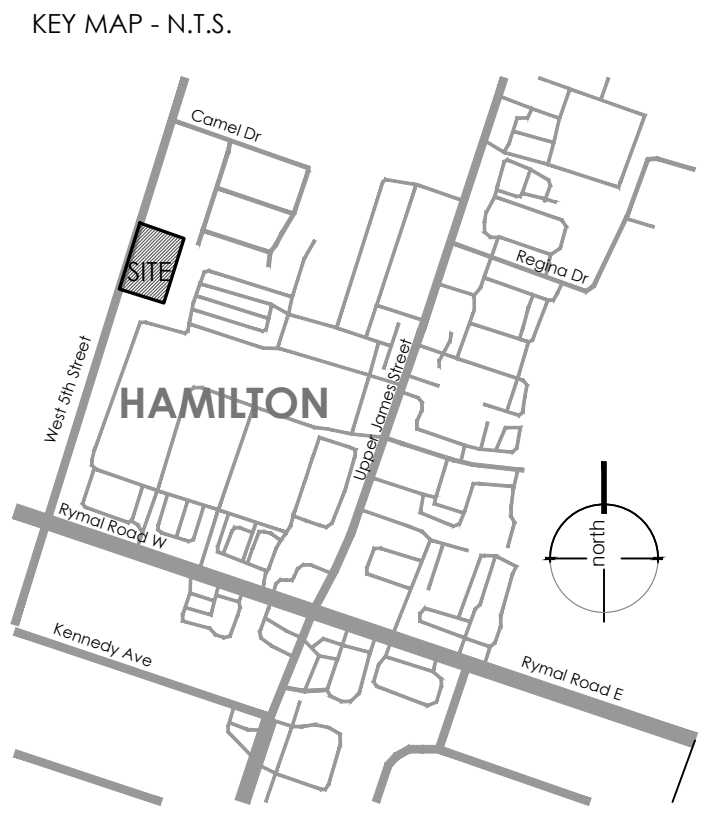
Trees 28-29



Trees 29-30



Tree 31



- LEGEND**
- property line
 - 2 existing tree number (refer to chart)
 - existing vegetation to remain
 - existing vegetation to be removed
 - existing elevations
 - - - tree protection fence (with silt fence) - see detail D1, L-2

NOT FOR CONSTRUCTION
 ISSUED FOR REVIEW & COMMENTS ONLY

NOTE:
 Vegetation inventory undertaken by Carleigh Pope, ISA Certified Arborist (ON-2578A) on 2021-11-24.

REVISIONS/ SUBMISSIONS

| # | DATE | DESCRIPTION |
|---|------------|--------------------------|
| 1 | 2021-11-25 | Issued for client review |
| 2 | 2022-03-22 | Issued for client review |

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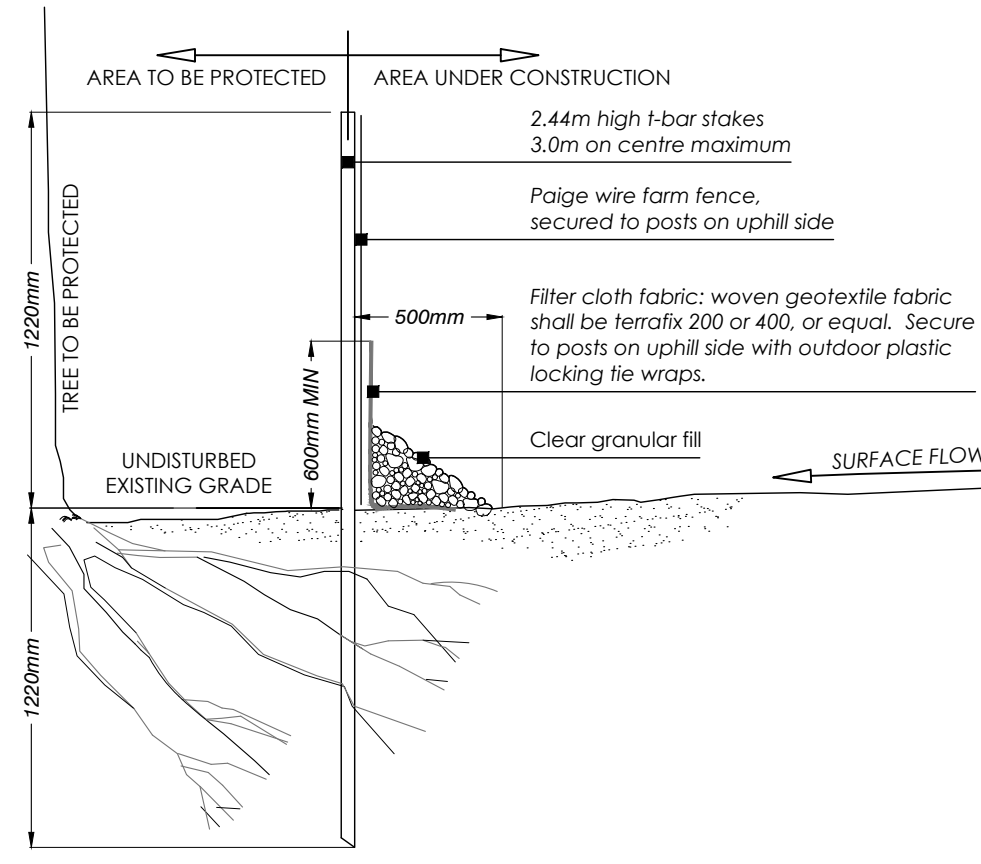
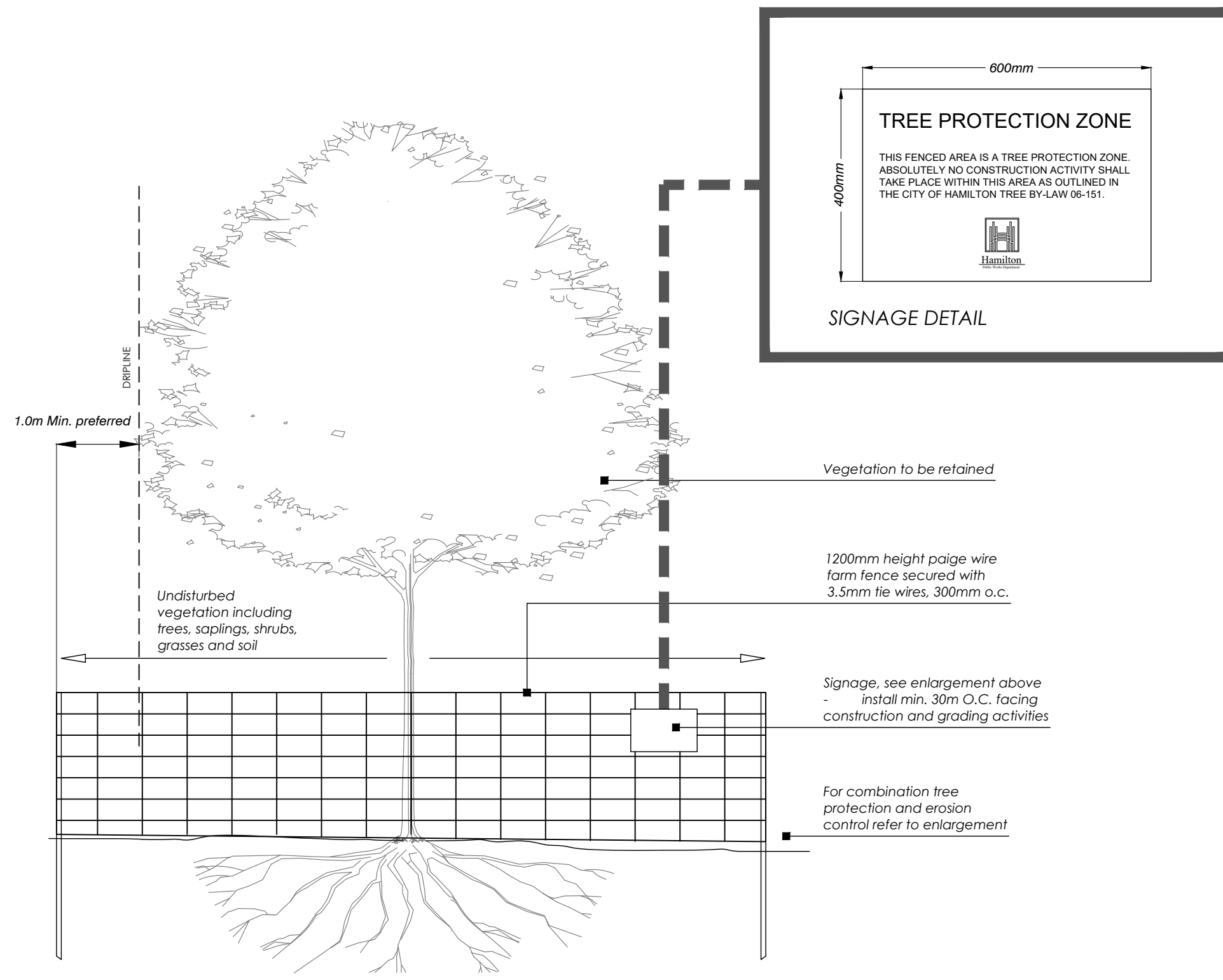
PROJECT
 1177-1187 West 5th Street

MUNICIPAL FILE NUMBER

SHEET
 Tree Protection 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



- NOTES:**
1. The area within the dripline of all existing trees shall be properly protected with temporary fencing.
 2. The area within the protective fencing shall remain undisturbed with no construction activity, grade changes, surface treatment, compaction, or excavation. Area shall not be used for the storage of building materials or equipment access/storage or project related garbage.
 3. Tree protection measures shall be installed prior to any demolition, tree removal or construction and shall remain until the completion of fine grading and sodding or seeding.
 4. Prune all trees for dead, diseased, weak or hazardous branches only. Also trim back branches which will interfere with construction, prune for structural restoration where necessary.
 5. No stockpiles and/or excavated material shall be placed within the tree preservation area.
 6. No rigging cable shall be wrapped around or installed to trees.
 7. Where root systems of protected trees are exposed directly adjacent to or damaged by construction work they are to be root pruned and the area back filled with topsoil to prevent root desiccation.
 8. Any fine grading within the preservation area is to be done by hand, no heavy equipment is permitted within the preservation zone.
 9. Sediment accumulations to be removed by subcontractor/builder when sediment deposits reach within 150mm of top of filter fabric barrier.
 10. City of Hamilton Urban Forester to be contacted and a site visit to be coordinated between the City of Hamilton, the Developer and the qualified arborist performing tree service prior to any alteration of municipal trees.
 11. A copy of the approved and signed Vegetation Management Plan will be on site for the duration of construction and available upon request from the City of Hamilton Forestry & Horticulture representative.
 12. This detail does not represent any particular tree species.

Tree Protection Fencing (with silt fence)

SCALE: NTS

1
L-2

EXISTING VEGETATION IDENTIFICATION TABLE

| Tree # | Species (Common Name) | Species (Botanical Name) | DBH (cm) | Crown Class* | Condition ** | Crown Width (m) | Comments | Potential Impacts from Construction | Ownership | Recommendation |
|--------|-----------------------|---|------------|--------------|--------------|-----------------|---|---|--------------|----------------|
| 1 | Field Maple | <i>Acer campestre</i> | 12 | D | G | 4 | Epicormic branching, healed stem wound at base | mtpz encroachment due to proposed driveway for parking lot | Public | REMOVE |
| 2 | Shagbark Hickory | <i>Carya ovata</i> | 55 | D | G | 10 | Broken branches in canopy (minor) | mtpz encroachment due to proposed parking lot and curbs | Subject Site | REMOVE |
| 3 | Saucer Magnolia | <i>Magnolia x soulangiana</i> | 13 | D | G | 5 | Minor stem wounds, co-dominant leaders at 3m | mtpz encroachment due to proposed parking lot | Subject Site | REMOVE |
| 4 | Colorado Blue Spruce | <i>Picea pungens var. Glauca</i> | 25 | D | G | 6 | Slight lean | mtpz encroachment due to proposed parking lot | Subject Site | REMOVE |
| 5 | Thornless Honeylocust | <i>Gleditsia triacanthos var. inermis</i> | 32 | D | G | 10 | Cord wrapped around trunk and branches, co-dominant leaders at 1.75m | mtpz encroachment due to proposed parking lot and curbs | Subject Site | REMOVE |
| 6 | Colorado Blue Spruce | <i>Picea pungens var. Glauca</i> | 30 | D | G | 7 | Asymmetrical canopy | mtpz encroachment due to proposed parking lot | Subject Site | REMOVE |
| 7 | Black Walnut | <i>Juglans nigra</i> | 28 | C | G-F | 6 | Grapevine competition, included bark, poor form | mtpz encroachment due to proposed parking lot | Boundary | REMOVE |
| 8 | Black Walnut | <i>Juglans nigra</i> | 25 | C | G-F | 5 | Grapevine competition, included bark, poor form | mtpz encroachment due to proposed parking lot | Boundary | REMOVE |
| 9 | Colorado Blue Spruce | <i>Picea pungens var. Glauca</i> | 34 | D | G | 7 | Soil piled around base | mtpz encroachment due to proposed parking lot | Subject Site | REMOVE |
| 10 | White Spruce | <i>Picea glauca</i> | 33 | D | G | 8 | Grapevine competition | mtpz encroachment due to proposed parking lot | Subject Site | REMOVE |
| 11 | Common Apple | <i>Malus sylvestris</i> | 14 | C | F-P | 2 | Heavily pruned, grapevine competition, healed longitudinal stem wound, watersprouts | mtpz encroachment due to proposed parking lot | Subject Site | REMOVE |
| 12 | Thornless Honeylocust | <i>Gleditsia triacanthos var. inermis</i> | 42 | D | G | 10 | Broken branches in canopy (minor) | minor mtpz encroachment due to proposed building footprint - install tree protection barrier at extent of existing asphalt driveway | Subject Site | SAVE |
| 13 | Colorado Blue Spruce | <i>Picea pungens var. Glauca</i> | 21 | C | F-G | 5 | Asymmetrical canopy | | Subject Site | SAVE |
| 14 | Black Walnut | <i>Juglans nigra</i> | 46 | D | G | 9 | Broken branches in canopy (minor), 3 co-dominant leaders at 3m | mtpz encroachment due to proposed building footprint | Subject Site | REMOVE |
| 15 | Norway Spruce | <i>Picea abies</i> | 45 | D | F-P | 7 | Asymmetrical canopy, 30% canopy dieback | mtpz encroachment due to proposed building footprint | Subject Site | REMOVE |
| 16 | White Mulberry | <i>Morus alba</i> | 8 | I | F | 4 | TREE NOT SURVEYED - light suppressed by Tree No. 18 | | Public | SAVE |
| 17 | Colorado Blue Spruce | <i>Picea pungens var. Glauca</i> | 44 | D | G | 7 | Grapevine competition, dead branches in canopy (minor) | | Public | SAVE |
| 18 | Downy Hawthorn | <i>Crataegus mollis</i> | 5x20 | C | F | 8 | Poor form, broken and dead branches (moderate), grapevine competition in canopy (severe) | | Public | SAVE |
| 19 | Red Maple | <i>Acer rubrum</i> | 23 | C | F | 6 | Poor branch taper, asymmetrical canopy, poor form, epicormic branching, grapevine competition | | Public | SAVE |
| 20 | Downy Hawthorn | <i>Crataegus mollis</i> | 19 | C | F | 5 | Broken leader, grapevine competition | mtpz encroachment due to proposed underground parking structure | Subject Site | REMOVE |
| 21 | Downy Hawthorn | <i>Crataegus mollis</i> | 2x20 | C | F | 5 | Broken leader, grapevine competition | mtpz encroachment due to proposed underground parking structure | Subject Site | REMOVE |
| 22 | Colorado Blue Spruce | <i>Picea pungens var. Glauca</i> | 55 | D | G | 8 | Grapevine competition, dead branches in canopy (minor) | mtpz encroachment due to proposed building footprint | Subject Site | REMOVE |
| 23 | Manitoba Maple | <i>Acer negundo</i> | 2x30, 2x24 | C | F | 10 | Poor form, broken and dead branches (moderate) | mtpz encroachment due to proposed building footprint and underground parking structure | Boundary | REMOVE |
| 24 | Austrian Pine | <i>Pinus nigra</i> | 38 | C | F | 7 | Diplodia tip blight, asymmetrical canopy | | Neighbouring | SAVE |
| 25 | Austrian Pine | <i>Pinus nigra</i> | 39 | C | F | 7 | Diplodia tip blight, asymmetrical canopy | | Neighbouring | SAVE |
| 26 | Austrian Pine | <i>Pinus nigra</i> | 39 | C | F | 7 | Diplodia tip blight, asymmetrical canopy | | Neighbouring | SAVE |
| 27 | Austrian Pine | <i>Pinus nigra</i> | 32 | C | F | 6 | Diplodia tip blight, asymmetrical canopy | | Neighbouring | SAVE |
| 28 | Black Walnut | <i>Juglans nigra</i> | 15 | D | G | 5 | Co-dominant leaders at 0.5m | | Neighbouring | SAVE |
| 29 | Austrian Pine | <i>Pinus nigra</i> | 32 | D | G-F | 10 | Diplodia tip blight, asymmetrical canopy | | Neighbouring | SAVE |
| 30 | Austrian Pine | <i>Pinus nigra</i> | 29 | D | G-F | 5 | Leaning south | | Neighbouring | SAVE |
| 31 | Norway Maple | <i>Acer platanoides</i> | 34 | D | G | 10 | | | Neighbouring | SAVE |

* 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)

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. hardness, soil conditions, soil tolerance, visual obstruction, available soil volume)

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L-2