

TOWN OF CALEDON
PLANNING
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Dec 19, 2024

ARBORIST REPORT
ARGO MAYFIELD WEST IV LIMITED
1850 & 1890 MAYFIELD ROAD
TOWN OF CALEDON, REGION OF PEEL

PREPARED FOR:
ARGO DEVELOPMENT CORPORATION

PREPARED BY:
C.F. CROZIER & ASSOCIATES INC.

COLLINGWOOD, ON L9Y 3Z1
70 HURON STREET, SUITE 100

SEPTEMBER 23, 2024

CFCA FILE NO. 0912-7136

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| Revision Number | Date | Comments |
|-----------------|--------------------|---------------------------------------|
| Rev. 0 | September 23, 2024 | Issued for 1 st Submission |

TABLE OF CONTENTS

| | | |
|------------|---|----------|
| 1.0 | INTRODUCTION | 1 |
| 2.0 | METHODOLOGY..... | 1 |
| 3.0 | SUMMARY OF TREES INVENTORIED | 2 |
| 3.1 | Development Impacts/Tree Removal | 2 |
| 3.2 | Tree Retention and Protection | 2 |
| 4.0 | COMPENSATION PLANTINGS | 4 |
| 5.0 | SUMMARY AND RECOMMENDATIONS..... | 5 |

LIST OF APPENDICES

- Appendix 1:** Tree Inventory and Assessment Table
- Appendix 2:** Overall Site Photos
- Appendix 3:** Tree Preservation Plans

1.0 Introduction

C.F. Crozier & Associates Inc. were retained to provide a tree inventory and assessment of existing trees within the properties of the addresses 1850 & 1890 Mayfield Road (Argo Mayfield West IV Limited), in the Town of Caledon, as they pertain to the Town of Caledon and Region of Peel tree By-laws and Tree Preservation & Protection Standards. The properties are comprised of existing farm fields. To the North, there is a residential house with a field at the back, to the south is Mayfield Road and a Subdivision within City of Brampton limits, to the East is a farm field and residential property with a plantation, and to the West are farm fields. The properties are part of the Alloo Phase 1 lands, and the proposed uses will be comprised of residential, stormwater management facilities and natural heritage system compensation.

Field work was completed on August 13, 2024, and this report relates to the condition of the trees as observed on that date. The report is meant to describe the health and composition of the existing trees on site, the evaluation of which will inform the Tree Preservation Plan.

2.0 Methodology

The following Town of Caledon and Region of Peel policies were referred to for the purposes of completing the Arborist Report and Tree Preservation Plan:

- Terms of Reference for Arborist Reports, Tree Preservation Plans and Tableland tree removal Compensation (2020)
- Town of Caledon Development Standards Manual (Version 5.0, 2019)
- Town of Caledon standard development details and notes
- Town of Caledon Woodland Conservation By-law 2000-100
- Toronto and Region Conservation Authority (TRCA) standards and guidelines
- Credit Valley Conservation Authority (CVC) standards and guidelines
- Canadian Species at Risk Act
- The Ontario Endangered Species Act
- Ministry of Natural Resources and Forestry (MNRF) Butternut Tree Registration Guide
- Migratory Birds Convention Act, 1994
- Region of Peel standards and guidelines.

Existing trees 10cm DBH and over, within and adjacent (6.0m) to the development area, were inventoried and evaluated using the criteria outlined in the Terms of Reference for Arborist Reports, Tree Preservation Plans and Tableland tree removal Compensation. The inventory was completed by an International Society of Arboriculture (ISA) Certified Arborist on August 13, 2024. The information collected during the inventory includes species name, tree ID number, DBH, general health assessment and notes on trunk and canopy conditions.

This inventory is summarized graphically in the Tree preservation Plans (TPP-1-3) found in Appendix 3, which is to be read together with this report and shall form part of this report. For the purposes of this report, trees and groupings of trees are identified in terms of:

- i. Tree ID number – number assigned to the tree.
- ii. Tree species – common and botanical names provided.
- iii. Diameter breast height (DBH) – measured in cm 1.4m above existing undisturbed grade.
- iv. Crown Size – Measured as a radius in meters.
- v. Tree Protection Zones – Minimum Tree Protection Zone (mTPZ).
- vi. Arboricultural condition – condition of tree considering trunk integrity, crown structure and crown vigor.

- vii. Ownership – Private, Neighbour, Town or Shared.
- viii. Directive – recommendation to preserve, Transplant, Injure or Remove.
- ix. Comments – Additional information.

The following rating system was used in describing the arboricultural condition of the trees inventoried:

Good: Indicates a condition of vigor and no major concerns.

Fair: Indicates an adequate tree, which may have some minor issues.

Poor: Indicates declining health, poor form, or other more serious issues.

Dead: Indicates a dead tree that should be removed.

3.0 Summary of Trees Inventoried

The following section discusses the health and reason for removal/preservation of the trees. Please refer to Appendix 1, for the tree inventory and assessment tables, which provides further information regarding each tree and to Appendix 3, for the Tree Preservation Plans identifying the locations of each tree discussed. The tree inventory and assessments of the subject sites comprised of eighty-one (81) individual trees, and two (2) tree groupings. There are forty-nine (49) private trees, eleven (11) shared/boundary trees, and twenty-one (21) Town owned trees. General site photos can be found in Appendix 2. There were ongoing utility works at the Southeast corner of the site which has impacted some of the Town owned and private trees in that area. The ground has been disturbed and there is some evidence that previous tree removals have taken place to facility the utility works.

3.1 Development Impacts/Tree Removal

A total of two hundred, eighty-one (81) individual trees and 2 tree groupings are proposed to be removed. These trees inventoried on and adjacent to the Mayfield West IV Limited subject properties. The condition of the trees observed ranged from good to dead. The reasons for the proposed removal are due to condition and impacts/conflicts with the proposed development/construction. Detailed information about each tree proposed to be removed can be found in Appendix 1, Tree Inventory and Assessment Tables. Prior to the removal of any trees, all tree protection measures shall be in place to protect the trees being preserved. Prior to the removal of any trees, all tree protection measures shall be in place to protect the trees being preserved.

Removals should occur outside of the breeding bird season (April 1- August 1). If this is not possible, clearance with an ecologist should occur prior to construction to ensure no loss of bird nest, egg or unfledged young.

Any trees located on the property line or on the adjacent property (shared ownership/boundary trees) that are proposed to be removed, pruned or injured, will require written consent from the adjacent landowner. All correspondence is to be forwarded to the Town prior to any removals.

3.2 Tree Retention and Protection

The two (2) tree groupings, which were inventoried will be removed within the subject properties. The portions of the groupings, which are on the neighbouring lands will be retained and protected from the proposed development. Tree group one (TG1) consisted of a Silver maple (*Acer saccharinum*), hedgerow with approximately thirty-nine (39) stems of 30cm DBH and under. The trees were located on or near the property line. Trees within the site are to be removed and trees beyond the property line on the neighbouring side are to be preserved. Tree group two (TG2) consisted of Colorado spruce with approximately 135 stems with 40cm DBH and under in fair to

dead condition. There were also approximately twenty-five (25) Silver maples located near or on the property line, on the neighbouring side, behind the Colorado spruce. Trees within the site are to be removed and trees beyond the property line on the neighbouring side are to be preserved. The extent of the driplines were captured in the field, using a GNSS device, within the subject properties and estimated on the neighbouring side due to no access.

The minimum tree protection zones (mTPZ) have been calculated using the standard calculations developed by the ISA using the DBH and assigning a radius to it. The Town of Caledon standard detail shows the tree protection fencing to be at the dripline. Refer to Table 1. For the Minimum Tree Protection Zones based on DBH. Where possible, the driplines should be respected as the tree protection zone.

Table 1: Minimum Tree Protection Zones Based on DBH

| DBH (cm) | Minimum TPZ (m) |
|-----------------|------------------------------|
| <10 | 1.2m |
| 10-29 | 1.8m |
| 30-40 | 2.4m |
| 41-50 | 3.0m |
| 51-60 | 3.6m |
| 61-70 | 4.2m |
| 71-80 | 4.8m |
| 81-90 | 5.4m |
| 91-100 | 6.0m |
| >100 | 6cm for each 1cm of diameter |

As there are trees being retained the establishment of a Tree Protection Zone around them is required. The purpose of the tree protection zone is to prevent root damage, soil compaction and soil contamination during construction activities and as such workers and machinery shall not disturb or move the tree protection zone in any way. To prevent damage and access to the roots, tree protection fencing, should be installed as per the recommendations within this report and the Town of Caledon Tree protection standards and details. The tree protection fencing shall be maintained in good condition for the duration of construction and shall not be removed until all construction activities have been completed. Areas within the tree protection zone shall remain undisturbed for the duration of site construction and shall not be used for the storage of excavated fill, building/construction material, structures or equipment.

Minor grading works may be permitted at the edge of the preservation zone as required to correct localized grading issues adjacent to the proposed development at the discretion of the Town. This work is to be undertaken under the supervision of the consulting Arborist. The consulting Arborist is to verify in writing to the Town, confirming that the work has been completed as per the approved design using best arboricultural practices. The limit of tree protection hoarding shall be confirmed in the field by the consulting arborist, Town staff and conservation authority (if applicable). The Owner/Applicant shall be responsible for ongoing maintenance and repairs to tree protection fencing to the satisfaction of the Town, until final approval by the Town and conservation authority (if applicable). The Owner/Applicant shall not remove and not cause or permit any tree preservation fencing to be removed without the approval of the Town and conservation authority (if applicable).

Due to the location of the trees to be retained, root pruning should not be required. In the event that any root pruning, be required to accommodate development, it is to be completed by a qualified arborist or tree care professional and must be performed in accordance with good arboricultural practices and the area backfilled with appropriate material to maintain

moisture/prevent desiccation. If large roots are encountered, the construction manager should notify the Landscape Architect or Arborist immediately, to ensure proper practices are followed.

For management and quality assurance, before, during and post construction a Landscape Architect or certified Arborist (I.S.A.) should make periodic visits to ensure tree protection measures are being followed.

- Prior to construction: Tree protection fencing should be in place in accordance with the Town standards. The Landscape Architect or Arborist should be given 48-hour notice of the installation of the tree protection fencing to be able to conduct a site review to confirm that the control measures are in place.
- During construction and prior to final approval by the Town, the consulting Arborist along with appropriate Town staff shall intermittently inspect the entire site. Any noted hazardous trees must be identified and removed prior to Assumption or earlier if deemed hazardous at the sole cost of the Owner/Applicant. Any records of maintenance or removals are to be submitted to the Town. Periodic site reviews are to be conducted to ensure that the tree protection fencing is in good condition and the control measures are being followed. Any root pruning or canopy trimming must be observed by a certified arborist.
- Post construction: Tree protection fencing should be removed and any additional measures to maintain tree health post construction should be undertaken under the direction of a certified arborist.

4.0 Compensation Plantings

Compensation will be required for all tree removals at a rate as determined by the Town's Tableland Tree Removal Compensation. Tree compensation planting will be in addition to the standard required planting. In the event tree compensation cannot be accommodated for in the planting design, financial compensation shall be collected at a rate (per tree) as determined by the Town. Based on the compensation ratio, seventy (70) individual trees are proposed to be removed in good to fair condition. Using the Town of Caledon's compensation formula, one hundred, eighteen (118) compensation trees will be required to compensate for the removal of trees on the subject property as well as boundary trees. The Town of Caledon tableland compensation requirements provide a table for tree compensation numbers. Refer to Table 2, for the breakdown of compensation trees. The table indicates the number of trees being removed in fair to good condition and the required compensation rates as per the requirements. Proposed compensation trees are to be 60mm caliper if deciduous and 225cm height if coniferous. The species should be comprised of mostly native species and non-invasives. Landscape and restoration plans should account for the number of required compensation trees as well as indicate the areas where compensation trees will be installed. Compensation trees will only be counted if they exceed the existing Town planting standard as currently outlined in Section 2.3 of the Development Standards Manual Version 5.0m 2019.

Table 2: Tree Removal Compensation Ratio (fair-good)

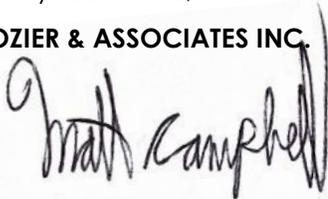
| DBH (cm) | Compensation Ratio | Number of Trees Being Removed | Required Replacements |
|-----------------|---------------------------|--------------------------------------|------------------------------|
| <10 | Not Applicable | - | - |
| 10-20 | 1:1 | 29 | 29 |
| 21-35 | 2:1 | 37 | 74 |
| 36-50 | 3:1 | 1 | 3 |
| 51-65 | 4:1 | 3 | 12 |
| >65 | 5:1 | - | - |
| | TOTAL: | 70 | 118 |

5.0 Summary and Recommendations

In total, eighty-one (81) individual trees, and two (2) tree groupings were inventoried and assessed. All eighty-one (1) individual trees and parts of the two (2) tree groupings are proposed to be removed. Trees on the neighbouring properties are proposed to be retained. The majority of the trees are in good to fair condition and will be compensated for with one hundred, eighteen (118) compensation trees required by the Town of Caledon's compensation ratios. The trees classified as in poor health or dead will be removed due to condition. We have based our recommendations for the proposed retention of trees on the site plan drawings and the health and condition of the trees while assuming best practices during construction.

Respectfully submitted,

C.F. CROZIER & ASSOCIATES INC.

A handwritten signature in black ink that reads "Matthew Campbell". The signature is written in a cursive, flowing style.

Matthew Campbell, OALA, CSLA, ISA Certified Arborist ON-3008A, TRAQ
Senior Contract Administrator

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APPENDIX 1

TREE INVENTORY & ASSESSMENT TABLE

ARGO MAYFIELD WEST IV LIMITED

| ID No. | Botanical Name | Common Name | DBH (cm) (Diameter at Breast Height) | Canopy Radius (m) | mTPZ (m) (Minimum Tree Protection) | Condition | Ownership | Directive | Comment |
|--------|----------------------------|---------------------|---|----------------------|---------------------------------------|-----------|-----------|-----------|---|
| 355 | <i>Populus balsamifera</i> | Balsam poplar | 11 | 1.5 | 1.8m | Good | Town | Remove | |
| 356 | <i>Populus balsamifera</i> | Balsam poplar | 18 | 2 | 1.8m | Good | Town | Remove | |
| 357 | <i>Picea glauca</i> | White spruce | 25 | 4 | 1.8m | Fair | Town | Remove | |
| 358 | <i>Picea glauca</i> | White spruce | 30 | 4 | 2.4m | Fair | Town | Remove | Irregular canopy. open on south and east sides |
| 359 | <i>Thuja occidentalis</i> | Eastern white cedar | 26 | 3.5 | 1.8m | Fair | Town | Remove | multi stem. 6 stems. |
| 360 | <i>Thuja occidentalis</i> | Eastern white cedar | 25 | 3.5 | 1.8m | Fair | Town | Remove | multi stem. 5 stems |
| 361 | <i>Thuja occidentalis</i> | Eastern white cedar | 18 | 2 | 1.8m | Fair | Town | Remove | codominant at base. both 18cm dbh. |
| 362 | <i>Thuja occidentalis</i> | Eastern white cedar | 12 | 2 | 1.8m | Fair | Town | Remove | codominant at base. 3 stems. all 12 dbh |
| 363 | <i>Picea glauca</i> | White spruce | 25 | 3.5 | 1.8m | Fair | Town | Remove | growing under hydro wires |
| 364 | <i>Picea glauca</i> | White spruce | 29 | 3.5 | 1.8m | Fair | Town | Remove | |
| 365 | <i>Thuja occidentalis</i> | Eastern white cedar | 12 | 2 | 1.8m | Fair | Town | Remove | multi stem 4 stems. 12cm and under. |
| 366 | <i>Acer saccharinum</i> | Silver maple | 57 | 6 | 3.6m | Fair | Town | Remove | codominant at 1.5m. included bark. |
| 367 | <i>Picea glauca</i> | White spruce | 13 | 2 | 1.8m | Poor | Town | Remove | one quarter of canopy remains. |
| 368 | <i>Pinus sylvestris</i> | Scots pine | 21 | 2 | 1.8m | Dead | Town | Remove | Standing dead |
| 369 | <i>Picea glauca</i> | White spruce | 23 | 3 | 1.8m | Fair | Town | Remove | |
| 370 | <i>Abies balsamea</i> | Balsam fir | 26 | 3 | 1.8m | Fair | Town | Remove | |
| 371 | <i>Acer saccharinum</i> | Silver maple | 29 | 6 | 1.8m | Fair | Town | Remove | codominant at 30cm |
| 372 | <i>Picea abies</i> | Norway spruce | 25 | 3.5 | 1.8m | Fair | Town | Remove | |
| 373 | <i>Picea glauca</i> | White spruce | 32 | 4 | 2.4m | Fair | Private | Remove | |
| 374 | <i>Picea glauca</i> | White spruce | 27 | 3 | 1.8m | Poor | Private | Remove | tree is missing top. Branches on one side only |
| 375 | <i>Pinus sylvestris</i> | Scots pine | 31 | 3.5 | 2.4m | Fair | Private | Remove | |
| 376 | <i>Pinus sylvestris</i> | Scots pine | 18 | 1.5 | 1.8m | Poor | Private | Remove | thin canopy. Deadwood in canopy. |
| 377 | <i>Pinus sylvestris</i> | Scots pine | 21 | 3.5 | 1.8m | Fair | Private | Remove | |
| 378 | <i>Picea glauca</i> | White spruce | 21 | 2.5 | 1.8m | Fair | Private | Remove | |
| 379 | <i>Picea glauca</i> | White spruce | 34 | 4 | 2.4m | Fair | Private | Remove | |
| 380 | <i>Pinus sylvestris</i> | Scots pine | 28 | 3.5 | 1.8m | Fair | Town | Remove | |
| 381 | <i>Pinus sylvestris</i> | Scots pine | 16 | 2 | 1.8m | Fair | Private | Remove | |
| 382 | <i>Picea glauca</i> | White spruce | 28 | 3 | 1.8m | Fair | Private | Remove | |
| 383 | <i>Picea glauca</i> | White spruce | 52 | 4.5 | 3.6m | Fair | Private | Remove | |
| 384 | <i>Pinus sylvestris</i> | Scots pine | 23 | 3.5 | 1.8m | Fair | Private | Remove | |
| 385 | <i>Pinus sylvestris</i> | Scots pine | 23 | 3 | 1.8m | Fair | Town | Remove | |
| 386 | <i>Pinus sylvestris</i> | Scots pine | 19 | 2.5 | 1.8m | Fair | Town | Remove | |
| 387 | <i>Acer saccharinum</i> | Silver maple | 19 | 5 | 1.8m | Fair | Private | Remove | multistem. 5 stems. 18cm and under DBH. |
| 388 | <i>Acer saccharinum</i> | Silver maple | 16 | 4 | 1.8m | Fair | Private | Remove | multistem 3 stem |
| 389 | <i>Acer saccharinum</i> | Silver maple | 34 | 5 | 2.4m | Fair | Private | Remove | |
| 390 | <i>Acer saccharinum</i> | Silver maple | 24 | 5 | 1.8m | Fair | Private | Remove | codominant at base |
| 391 | <i>Picea pungens</i> | Colorado spruce | 26 | 2.5 | 1.8m | Fair | Private | Remove | |
| 392 | <i>Picea pungens</i> | Colorado spruce | 34 | 4.5 | 2.4m | Good | Private | Remove | |
| 393 | <i>Acer saccharinum</i> | Silver maple | 14 | 3.5 | 1.8m | Fair | Shared | Remove | boundary tree |
| 394 | <i>Populus balsamifera</i> | Balsam poplar | 40 | 0 | - | Dead | Shared | Remove | Standing dead |
| 395 | <i>Acer saccharinum</i> | Silver maple | 12 | 4 | 1.8m | Fair | Private | Remove | multi-stem |
| 396 | <i>Acer saccharinum</i> | Silver maple | 20 | 4 | 1.8m | Poor | Private | Remove | dead branches in canopy. hanging branches in canopy |
| 397 | <i>Acer saccharinum</i> | Silver maple | 22 | 4.5 | 1.8m | Fair | Private | Remove | multistem. 3 stems at base |
| 398 | <i>Acer saccharinum</i> | Silver maple | 13 | 4 | 1.8m | Poor | Shared | Remove | signs of rot on trunk. hanging branches in canopy |
| 399 | <i>Acer saccharinum</i> | Silver maple | 19 | 5 | 1.8m | Fair | Shared | Remove | codominant at base |
| 400 | <i>Thuja occidentalis</i> | Eastern white cedar | 13 | 1.5 | 1.8m | Fair | Private | Remove | multistem |
| 401 | <i>Thuja occidentalis</i> | Eastern white cedar | 11 | 1.5 | 1.8m | Fair | Private | Remove | |

ARGO MAYFIELD WEST IV LIMITED

| ID No. | Botanical Name | Common Name | DBH (cm) (Diameter at Breast Height) | Canopy Radius (m) | mTPZ (m) (Minimum Tree Protection) | Condition | Ownership | Directive | Comment |
|--------|---------------------------|---------------------|---|----------------------|---------------------------------------|-----------|-----------|-----------|---|
| 402 | <i>Thuja occidentalis</i> | Eastern white cedar | 10 | 1.5 | 1.8m | Fair | Private | Remove | |
| 403 | <i>Fraxinus spp.</i> | Ash spp. | 30 | 0 | - | Dead | Private | Remove | Standing dead |
| 404 | <i>Picea glauca</i> | White spruce | 16 | 2 | 1.8m | Fair | Private | Remove | |
| 405 | <i>Acer saccharinum</i> | Silver maple | 26 | 4 | 1.8m | Fair | Private | Remove | |
| 406 | <i>Picea pungens</i> | Colorado spruce | 25 | 2 | 1.8m | Fair | Private | Remove | |
| 407 | <i>Picea pungens</i> | Colorado spruce | 19 | 2 | 1.8m | Fair | Private | Remove | |
| 408 | <i>Picea pungens</i> | Colorado spruce | 14 | 2 | 1.8m | Fair | Private | Remove | |
| 409 | <i>Picea pungens</i> | Colorado spruce | 27 | 3.5 | 1.8m | Fair | Private | Remove | |
| 410 | <i>Picea pungens</i> | Colorado spruce | 26 | 3.5 | 1.8m | Fair | Private | Remove | |
| 411 | <i>Picea pungens</i> | Colorado spruce | 27 | 3.5 | 1.8m | Fair | Private | Remove | |
| 412 | <i>Picea pungens</i> | Colorado spruce | 21 | 2 | 1.8m | Fair | Private | Remove | |
| 413 | <i>Picea pungens</i> | Colorado spruce | 15 | 2 | 1.8m | Fair | Private | Remove | |
| 414 | <i>Picea pungens</i> | Colorado spruce | 23 | 3 | 1.8m | Fair | Private | Remove | leaning to the south |
| 415 | <i>Quercus macrocarpa</i> | Bur oak | 23 | 3.5 | 1.8m | Good | Private | Remove | |
| 416 | <i>Fraxinus spp.</i> | Ash spp. | 28 | 0 | 1.8m | Dead | Private | Remove | Standing dead |
| 417 | <i>Crataegus spp.</i> | Hawthorn spp. | 15 | 3 | 1.8m | Fair | Private | Remove | leaning south |
| 418 | <i>Picea pungens</i> | Colorado spruce | 19 | 3 | 1.8m | Fair | Private | Remove | |
| 419 | <i>Crataegus spp.</i> | Hawthorn spp. | 11 | 3 | 1.8m | Poor | Private | Remove | overgrown with buckthorn |
| 420 | <i>Crataegus spp.</i> | Hawthorn spp. | 14 | 3.5 | 1.8m | Fair | Shared | Remove | overgrown with buckthorn |
| 421 | <i>Rhamnus spp.</i> | Buckthorn | 11 | 3.5 | 1.8m | Fair | Shared | Remove | multistem buckthorn. 11cm DBH and under. invasive species |
| 422 | <i>Crataegus spp.</i> | Hawthorn spp. | 15 | 3.5 | 1.8m | Fair | Shared | Remove | |
| 423 | <i>Tilia americana</i> | Basswood | 14 | 4 | 1.8m | Fair | Private | Remove | multistem at base. 5 stems |
| 424 | <i>Crataegus spp.</i> | Hawthorn spp. | 18 | 3.5 | 1.8m | Fair | Shared | Remove | |
| 425 | <i>Tilia americana</i> | Basswood | 19 | 3 | 1.8m | Poor | Shared | Remove | surrounded and overgrown by buckthorn |
| 426 | <i>Tilia americana</i> | Basswood | 26 | 4.5 | 1.8m | Fair | Shared | Remove | surrounded and overgrown by buckthorn |
| 427 | <i>Crataegus spp.</i> | Hawthorn spp. | 18 | 3 | 1.8m | Fair | Shared | Remove | |
| 428 | <i>Crataegus spp.</i> | Hawthorn spp. | 20 | 3 | 1.8m | Fair | Private | Remove | |
| 541 | <i>Acer saccharinum</i> | Silver maple | 54 | 5 | 3.6m | Fair | Private | Remove | |
| 542 | <i>Acer saccharinum</i> | Silver maple | 32 | 4 | 2.4m | Fair | Private | Remove | multi stem 4 stems. |
| 543 | <i>Acer saccharinum</i> | Silver maple | 29 | 4.5 | 1.8m | Fair | Private | Remove | |
| 544 | <i>Acer saccharinum</i> | Silver maple | 36 | 4 | 2.4m | Fair | Private | Remove | codominant at base |
| 545 | <i>Acer saccharinum</i> | Silver maple | 12 | 3 | 1.8m | Fair | Private | Remove | |
| 546 | <i>Acer saccharinum</i> | Silver maple | 26 | 4 | 1.8m | Fair | Private | Remove | multi stem 4 stems |
| 547 | <i>Acer saccharinum</i> | Silver maple | 24 | 4 | 1.8m | Fair | Private | Remove | multistem. 3 stems |

ARGO MAYFIELD WEST IV LIMITED - TREE GROUPINGS

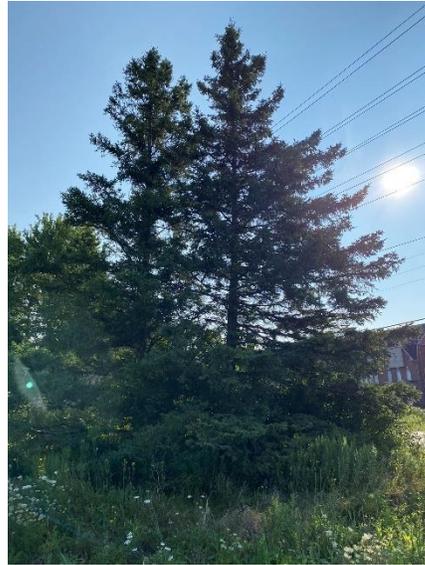
| ID No. | Botanical Name | Common Name | DBH (cm) (Diameter at Breast Height) | mTPZ (m) (Minimum Tree Protection) | Condition | Ownership | Directive | Comment |
|--------|---|--------------------------------|---|---------------------------------------|-----------|-----------|---------------------|--|
| TG1 | <i>Acer saccharinum</i> | Silver maple | <= 30cm | Property line | Fair | Shared | Preserve/ Remove | Silver maple hedgerow with approximately 39 stems of 30cm DBH and under. Located near or on the property line. Trees within the site are to be removed and trees beyond the property line are to be preserved. |
| TG2 | <i>Picea pungens & Acer saccharinum</i> | Colorado spruce & Silver maple | Spruce <=40cm Maple <=30cm | Property line | Fair/Dead | Shared | Preserve/ Remove | Colorado spruce with approximately 135 stems with DBH 40cm and under in fair or dead condition. Approximately 25 Silver maples located on or near the property line, on neighbouring side, behind the Colorado spruce. Trees within the site are to be removed and trees beyond the property line are to be preserved. |

APPENDIX 2

OVERALL SITE PHOTOS



Trees 355 & 356, looking West.



Trees 357 & 358, looking East.



Trees 380-386, looking South.



Trees 370-379, looking South.



Trees 374, 377, 378 & 379, Looking West.
Utility works on-going in this area.



Tree 387 & 388, looking Southeast.



Trees 388 & 390, looking Southeast.



Tree Grouping 1, East property looking North.



Trees 391-395, looking East.



Trees 395-399, East property line looking North.



Tree Group 2, looking North.



Tree group 2, North Property line, looking East.



Trees 157 & 158, South property line looking West.



Trees 403-418, looking East.



Trees 403-418, looking Southeast.



Trees 415, 416 & 419, looking South.



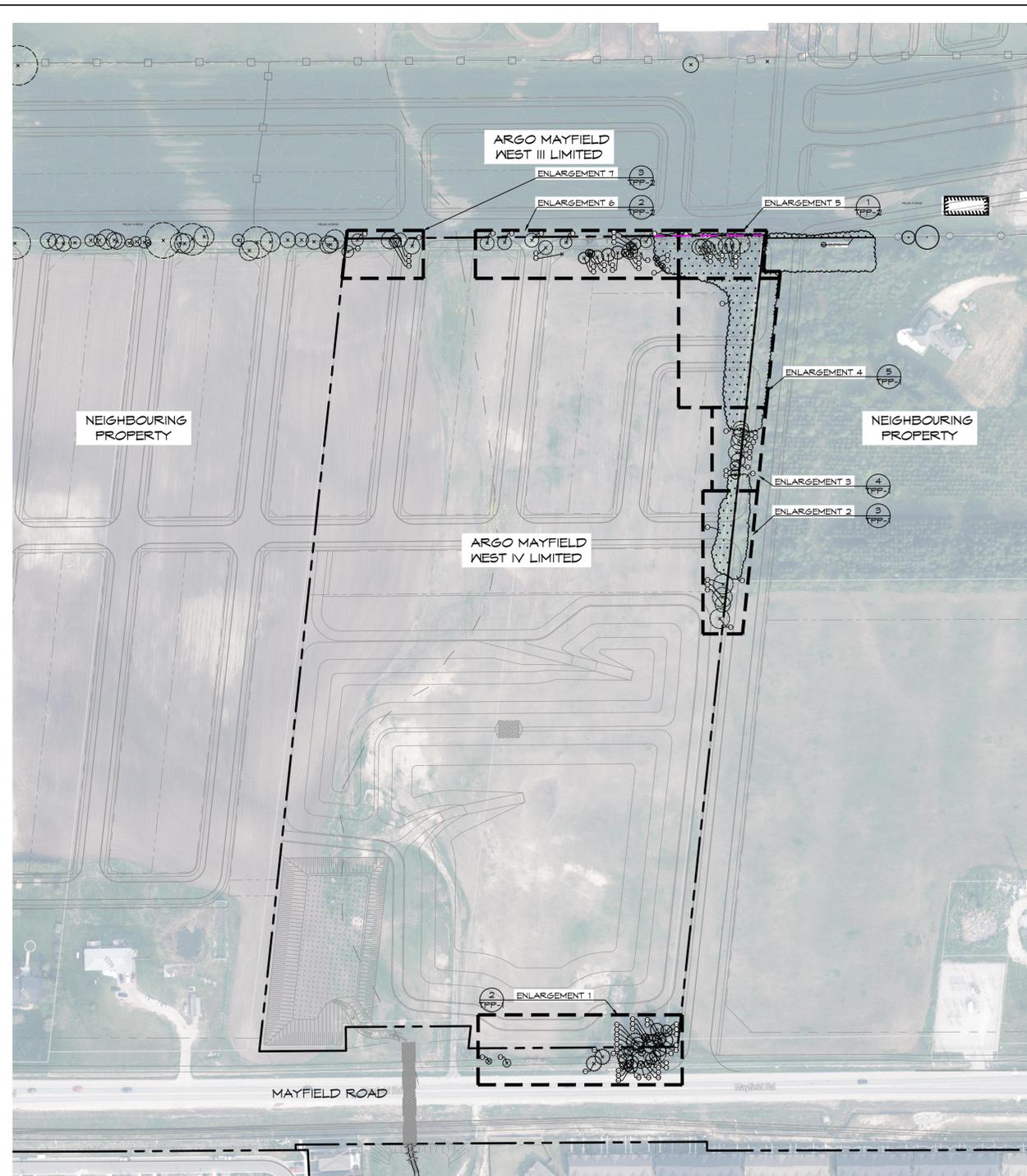
Trees 420-422, looking West



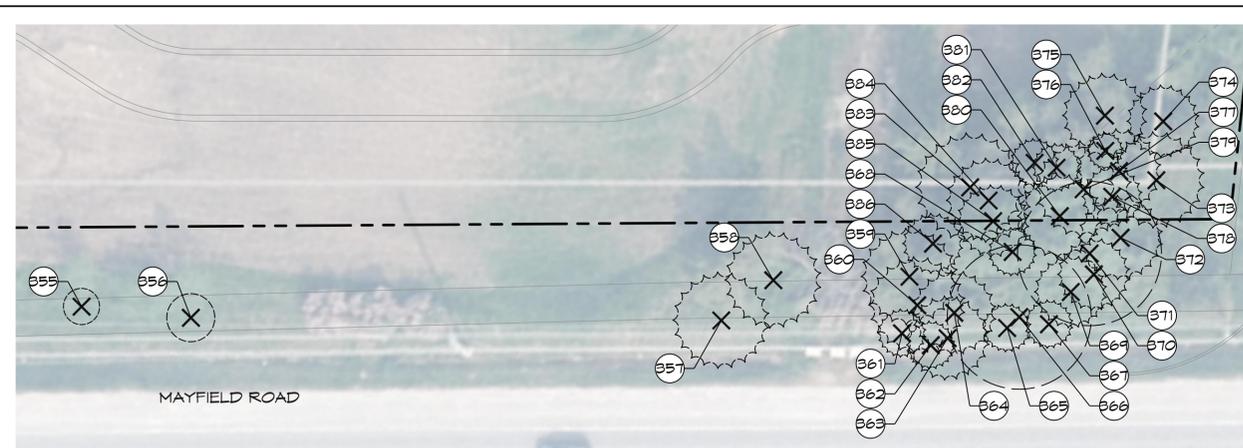
Trees 423-428, looking West.

APPENDIX 3

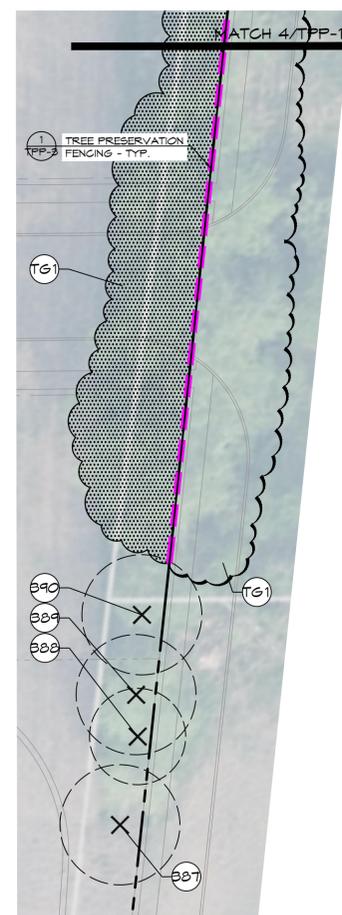
TREE PRESERVATION PLANS



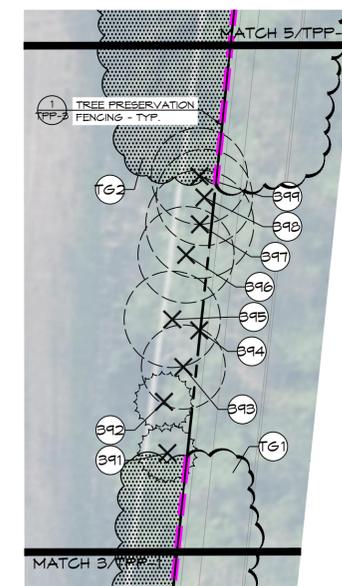
1
TPP-1
OVERALL TREE PRESERVATION PLAN



2
TPP-1
ENLARGEMENT 1



3
TPP-1
ENLARGEMENT 2



4
TPP-1
ENLARGEMENT 3



- LEGEND**
- PROPERTY BOUNDARY
 - - - LOT BOUNDARY
 - EXISTING VEGETATION TO BE REMOVED
 - EDGE OF VEGETATION TO BE RETAINED AND PROTECTED
 - TREE PROTECTION FENCE
 - EXISTING CHAINLINK FENCE
 - ⊗ EXISTING DECIDUOUS TREE TO BE REMOVED
 - ⊗ EXISTING CONIFEROUS TREE TO BE REMOVED
 - EXISTING DECIDUOUS TREE TO BE RETAINED OR PROTECTED
 - EXISTING CONIFEROUS TREE TO BE RETAINED OR PROTECTED
 - 14— TREE ID. #

- NOTES:**
- 1.0 TREE REMOVAL RATIONAL
1. FOR SERVICES, GRADING AND DRAINAGE INFORMATION SEE ENGINEERING DRAWINGS.
 2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL EXISTING AND PROPOSED GRADES AND CONDITIONS OF THE PROJECT AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH ANY REMOVALS.
 3. TREE REMOVALS SHALL CONFORM WITH THE MIGRATORY BIRDS CONVENTION ACT AND MUNICIPAL BY-LAWS.
- 2.0 GENERAL
1. FOR LOCATION OF VIEWPORTS, REFER TO DRAWINGS TPP-1.
 2. FOR TREE INVENTORY CHART, REFER TO TPP-2.
 3. FOR TREE PROTECTION NOTES, REFER TO DRAWINGS TPP-3.
 4. ALL NORTH ARROW AND SCALE ARE APPLICABLE FOR VIEWPORTS 2/TPP-1, 3/TPP-1, 4/TPP-1;

1. THIS DRAWING IS THE EXCLUSIVE PROPERTY OF C.F. GROZIER & ASSOCIATES INC. AND THE MODIFICATION AND/OR REPRODUCTION OF ANY PART OF THIS DRAWING IS STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM THIS OFFICE.
 2. THE DIGITAL FILES CONTAIN INTELLECTUAL AND DIGITAL DATA PROPERTY THAT IS THE EXCLUSIVE PROPERTY OF C.F. GROZIER & ASSOCIATES INC.
 3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LEVELS, AND DATUMS ON SITE AND REPORT ANY DISCREPANCIES OR OMISSIONS TO C.F. GROZIER & ASSOCIATES INC. PRIOR TO CONSTRUCTION.
 4. THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS APPLICABLE TO THIS PROJECT.
 5. ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
 6. DO NOT SCALE DRAWINGS.

NOTES:

1. TOPOGRAPHIC SURVEY PROVIDED BY R-PE SURVEYING LTD. (RECEIVED ON 2024.06.20).
2. BASE INFORMATION PROVIDED BY URBANTECH CONSULTING LTD. (RECEIVED ON 2024.09.22).
3. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.

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| 0 | ISSUED FOR 1st SUBMISSION | 2024/09/23 |
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ARBORIST

CERTIFIED ARBORIST
 ISA

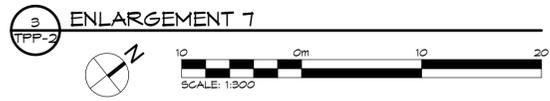
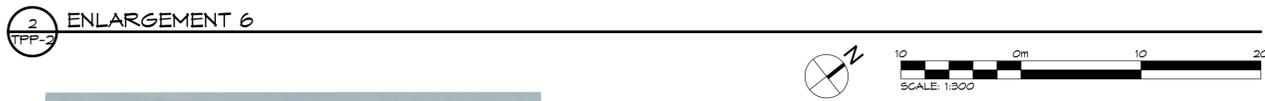
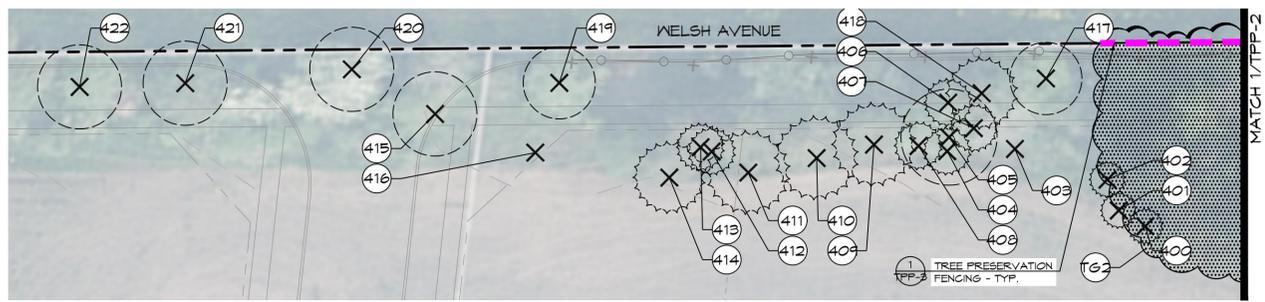
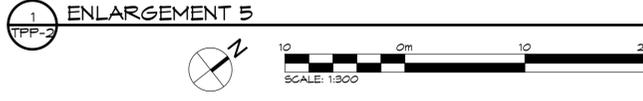
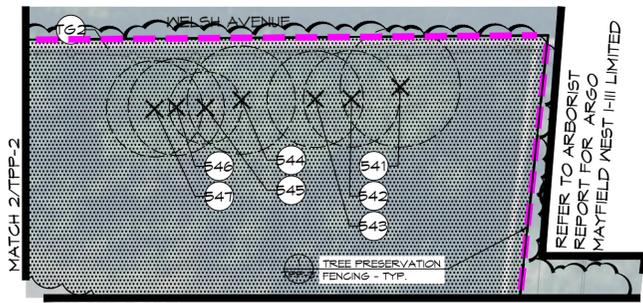
MATTHEW CAMPBELL, OALA, CSLA
 CERTIFIED ARBORIST (ISA 0N-3008-A),
 TRAG

Project: **ARGO ALLOA MAYFIELD IV LIMITED**
TREE PRESERVATION PLAN
 TOWN OF CALEDON

Drawing: **ARGO MAYFIELD WEST IV LIMITED**
TREE PRESERVATION PLAN

C GROZIER CONSULTING ENGINEERS

| | | | | | |
|----------|------|-----------|-----------|---------|----------|
| Drawn By | K.C. | Design By | K.C./M.C. | Project | 912-7136 |
| Check By | M.C. | Check By | | Drawing | TPP-1 |

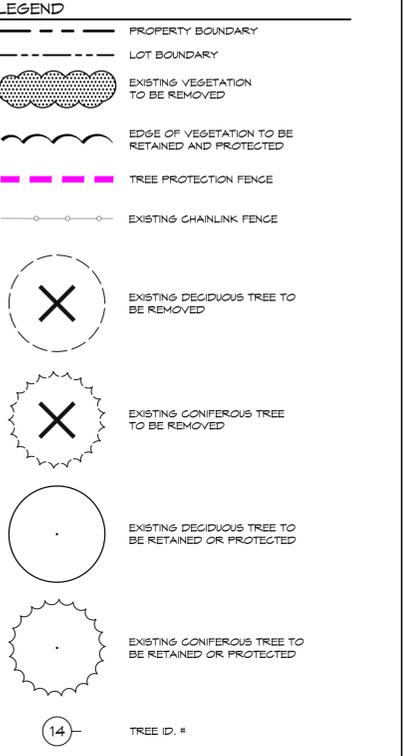


| ID No. | Botanical Name | Common Name | DBH (cm) (Diameter at Breast Height) | Canopy Radius (m) | mTPZ (m) (Minimum Tree Protection) | Condition | Ownership | Directive | Comment |
|--------|----------------------------|---------------------|---|----------------------|---------------------------------------|-----------|-----------|-----------|--|
| 355 | <i>Populus balsamifera</i> | Balsam poplar | 11 | 1.5 | 1.8m | Good | Town | Remove | |
| 356 | <i>Populus balsamifera</i> | Balsam poplar | 18 | 2 | 1.8m | Good | Town | Remove | |
| 357 | <i>Picea glauca</i> | White spruce | 25 | 4 | 1.8m | Fair | Town | Remove | |
| 358 | <i>Picea glauca</i> | White spruce | 30 | 4 | 2.4m | Fair | Town | Remove | Irregular canopy, open on south and east sides |
| 359 | <i>Thuja occidentalis</i> | Eastern white cedar | 26 | 3.5 | 1.8m | Fair | Town | Remove | multi stem, 5 stems |
| 360 | <i>Thuja occidentalis</i> | Eastern white cedar | 25 | 3.5 | 1.8m | Fair | Town | Remove | multi stem, 5 stems |
| 361 | <i>Thuja occidentalis</i> | Eastern white cedar | 18 | 2 | 1.8m | Fair | Town | Remove | codominant at base, both 18cm dbh |
| 362 | <i>Thuja occidentalis</i> | Eastern white cedar | 12 | 2 | 1.8m | Fair | Town | Remove | codominant at base, 3 stems, all 12 dbh |
| 363 | <i>Picea glauca</i> | White spruce | 25 | 3.5 | 1.8m | Fair | Town | Remove | growing under hydro wires |
| 364 | <i>Picea glauca</i> | White spruce | 29 | 3.5 | 1.8m | Fair | Town | Remove | |
| 365 | <i>Thuja occidentalis</i> | Eastern white cedar | 12 | 2 | 1.8m | Fair | Town | Remove | multi stem 4 stems, 12cm and under. |
| 366 | <i>Acer saccharinum</i> | Silver maple | 57 | 6 | 3.6m | Fair | Town | Remove | codominant at 1.5m, included bark. |
| 367 | <i>Picea glauca</i> | White spruce | 13 | 2 | 1.8m | Poor | Town | Remove | one quarter of canopy remains. |
| 368 | <i>Pinus sylvestris</i> | Scots pine | 21 | 2 | 1.8m | Dead | Town | Remove | Standing dead |
| 369 | <i>Picea glauca</i> | White spruce | 23 | 3 | 1.8m | Fair | Town | Remove | |
| 370 | <i>Abies balsamea</i> | Balsam fir | 26 | 3 | 1.8m | Fair | Town | Remove | |
| 371 | <i>Acer saccharinum</i> | Silver maple | 29 | 6 | 1.8m | Fair | Town | Remove | codominant at 30cm |
| 372 | <i>Picea abies</i> | Norway spruce | 25 | 3.5 | 1.8m | Fair | Town | Remove | |
| 373 | <i>Picea glauca</i> | White spruce | 32 | 4 | 2.4m | Fair | Private | Remove | |
| 374 | <i>Picea glauca</i> | White spruce | 27 | 3 | 1.8m | Poor | Private | Remove | tree is missing top. Branches on one side only |
| 375 | <i>Pinus sylvestris</i> | Scots pine | 31 | 3.5 | 2.4m | Fair | Private | Remove | |
| 376 | <i>Pinus sylvestris</i> | Scots pine | 18 | 1.5 | 1.8m | Poor | Private | Remove | thin canopy. Deadwood in canopy. |
| 377 | <i>Pinus sylvestris</i> | Scots pine | 21 | 3.5 | 1.8m | Fair | Private | Remove | |
| 378 | <i>Picea glauca</i> | White spruce | 21 | 2.5 | 1.8m | Fair | Private | Remove | |
| 379 | <i>Picea glauca</i> | White spruce | 34 | 4 | 2.4m | Fair | Private | Remove | |
| 380 | <i>Pinus sylvestris</i> | Scots pine | 28 | 3.5 | 1.8m | Fair | Town | Remove | |
| 381 | <i>Pinus sylvestris</i> | Scots pine | 16 | 2 | 1.8m | Fair | Private | Remove | |
| 382 | <i>Picea glauca</i> | White spruce | 28 | 3 | 1.8m | Fair | Private | Remove | |
| 383 | <i>Picea glauca</i> | White spruce | 52 | 4.5 | 3.6m | Fair | Private | Remove | |
| 384 | <i>Pinus sylvestris</i> | Scots pine | 23 | 3.5 | 1.8m | Fair | Private | Remove | |
| 385 | <i>Pinus sylvestris</i> | Scots pine | 23 | 3 | 1.8m | Fair | Town | Remove | |
| 386 | <i>Pinus sylvestris</i> | Scots pine | 19 | 2.5 | 1.8m | Fair | Town | Remove | |
| 387 | <i>Acer saccharinum</i> | Silver maple | 19 | 5 | 1.8m | Fair | Private | Remove | multistem, 5 stems, 18cm and under DBH. |
| 388 | <i>Acer saccharinum</i> | Silver maple | 16 | 4 | 1.8m | Fair | Private | Remove | multistem 3 stem |
| 389 | <i>Acer saccharinum</i> | Silver maple | 34 | 5 | 2.4m | Fair | Private | Remove | |
| 390 | <i>Acer saccharinum</i> | Silver maple | 24 | 5 | 1.8m | Fair | Private | Remove | codominant at base |
| 391 | <i>Picea pungens</i> | Colorado spruce | 26 | 2.5 | 1.8m | Fair | Private | Remove | |
| 392 | <i>Picea pungens</i> | Colorado spruce | 34 | 4.5 | 2.4m | Good | Private | Remove | |
| 393 | <i>Acer saccharinum</i> | Silver maple | 14 | 1.8m | 1.8m | Remove | Shared | Remove | boundary tree |
| 394 | <i>Populus balsamifera</i> | Balsam poplar | 40 | 0 | - | Dead | Shared | Remove | Standing dead |
| 395 | <i>Acer saccharinum</i> | Silver maple | 12 | 4 | 1.8m | Fair | Private | Remove | multi-stem |
| 396 | <i>Acer saccharinum</i> | Silver maple | 20 | 4 | 1.8m | Poor | Private | Remove | dead branches in canopy, hanging branches in canopy |
| 397 | <i>Acer saccharinum</i> | Silver maple | 22 | 4.5 | 1.8m | Fair | Private | Remove | multistem, 3 stems at base |
| 398 | <i>Acer saccharinum</i> | Silver maple | 13 | 4 | 1.8m | Poor | Shared | Remove | signs of rot on trunk, hanging branches in canopy |
| 399 | <i>Acer saccharinum</i> | Silver maple | 19 | 5 | 1.8m | Fair | Shared | Remove | codominant at base |
| 400 | <i>Thuja occidentalis</i> | Eastern white cedar | 13 | 1.5 | 1.8m | Fair | Private | Remove | multistem |
| 401 | <i>Thuja occidentalis</i> | Eastern white cedar | 11 | 1.5 | 1.8m | Fair | Private | Remove | |
| 402 | <i>Thuja occidentalis</i> | Eastern white cedar | 10 | 1.5 | 1.8m | Fair | Private | Remove | |
| 403 | <i>Fraxinus spp.</i> | Ash spp. | 30 | 0 | - | Dead | Private | Remove | Standing dead |
| 404 | <i>Picea glauca</i> | White spruce | 16 | 2 | 1.8m | Fair | Private | Remove | |
| 405 | <i>Acer saccharinum</i> | Silver maple | 26 | 4 | 1.8m | Fair | Private | Remove | |
| 406 | <i>Picea pungens</i> | Colorado spruce | 25 | 2 | 1.8m | Fair | Private | Remove | |
| 407 | <i>Picea pungens</i> | Colorado spruce | 19 | 2 | 1.8m | Fair | Private | Remove | |
| 408 | <i>Picea pungens</i> | Colorado spruce | 14 | 2 | 1.8m | Fair | Private | Remove | |
| 409 | <i>Picea pungens</i> | Colorado spruce | 27 | 3.5 | 1.8m | Fair | Private | Remove | |
| 410 | <i>Picea pungens</i> | Colorado spruce | 26 | 3.5 | 1.8m | Fair | Private | Remove | |
| 411 | <i>Picea pungens</i> | Colorado spruce | 27 | 3.5 | 1.8m | Fair | Private | Remove | |
| 412 | <i>Picea pungens</i> | Colorado spruce | 21 | 2 | 1.8m | Fair | Private | Remove | |
| 413 | <i>Picea pungens</i> | Colorado spruce | 15 | 2 | 1.8m | Fair | Private | Remove | |
| 414 | <i>Picea pungens</i> | Colorado spruce | 23 | 3 | 1.8m | Fair | Private | Remove | leaning to the south |
| 415 | <i>Quercus macrocarpa</i> | Bur oak | 23 | 3.5 | 1.8m | Good | Private | Remove | |
| 416 | <i>Fraxinus spp.</i> | Ash spp. | 28 | 0 | 1.8m | Dead | Private | Remove | Standing dead |
| 417 | <i>Crataegus spp.</i> | Hawthorn spp. | 15 | 3 | 1.8m | Fair | Private | Remove | leaning south |
| 418 | <i>Picea pungens</i> | Colorado spruce | 19 | 3 | 1.8m | Fair | Private | Remove | |
| 419 | <i>Crataegus spp.</i> | Hawthorn spp. | 11 | 3 | 1.8m | Poor | Private | Remove | overgrown with buckthorn |
| 420 | <i>Crataegus spp.</i> | Hawthorn spp. | 14 | 3.5 | 1.8m | Fair | Shared | Remove | overgrown with buckthorn |
| 421 | <i>Rhamnus spp.</i> | Buckthorn | 11 | 3.5 | 1.8m | Fair | Shared | Remove | multistem buckthorn, 1.1cm DBH and under, invasive species |
| 422 | <i>Crataegus spp.</i> | Hawthorn spp. | 15 | 3.5 | 1.8m | Fair | Shared | Remove | |
| 423 | <i>Tilia americana</i> | Basswood | 14 | 4 | 1.8m | Fair | Private | Remove | multistem at base, 5 stems |
| 424 | <i>Crataegus spp.</i> | Hawthorn spp. | 18 | 3.5 | 1.8m | Fair | Shared | Remove | |
| 425 | <i>Tilia americana</i> | Basswood | 19 | 3 | 1.8m | Fair | Shared | Remove | |
| 426 | <i>Tilia americana</i> | Basswood | 26 | 4.5 | 1.8m | Poor | Shared | Remove | surrounded and overgrown by buckthorn |
| 427 | <i>Crataegus spp.</i> | Hawthorn spp. | 18 | 3 | 1.8m | Fair | Shared | Remove | surrounded and overgrown by buckthorn |
| 428 | <i>Crataegus spp.</i> | Hawthorn spp. | 20 | 3 | 1.8m | Fair | Private | Remove | |
| 541 | <i>Acer saccharinum</i> | Silver maple | 54 | 5 | 3.6m | Fair | Private | Remove | |
| 542 | <i>Acer saccharinum</i> | Silver maple | 32 | 4 | 2.4m | Fair | Private | Remove | multi stem 4 stems. |
| 543 | <i>Acer saccharinum</i> | Silver maple | 29 | 4.5 | 1.8m | Fair | Private | Remove | |
| 544 | <i>Acer saccharinum</i> | Silver maple | 36 | 4 | 2.4m | Fair | Private | Remove | codominant at base |
| 545 | <i>Acer saccharinum</i> | Silver maple | 12 | 3 | 1.8m | Fair | Private | Remove | |
| 546 | <i>Acer saccharinum</i> | Silver maple | 26 | 4 | 1.8m | Fair | Private | Remove | multi stem 4 stems |
| 547 | <i>Acer saccharinum</i> | Silver maple | 24 | 4 | 1.8m | Fair | Private | Remove | multistem, 3 stems |

ARGO MAYFIELD WEST IV LIMITED TREE REMOVAL RATIONAL

| ID No. | Botanical Name | Common Name | DBH (cm) (Diameter at Breast Height) | mTPZ (m) (Minimum Tree Protection) | Condition | Ownership | Directive | Comment |
|--------|--|--------------------------------|---|---------------------------------------|-----------|-----------|-----------------|--|
| TG1 | <i>Acer saccharinum</i> | Silver maple | <=30cm | Property line | Fair | Shared | Preserve/Remove | Silver maple hedgerow with approximately 39 stems of 30cm DBH and under. Located near or on the property line. Trees within the site are to be removed and trees beyond the property line are to be preserved. |
| TG2 | <i>Picea pungens</i> & <i>Acer saccharinum</i> | Colorado spruce & Silver maple | Spruce <=40cm Maple <=30cm | Property line | Fair/Dead | Shared | Preserve/Remove | Colorado spruce with approximately 136 stems with DBH 40cm and under in fair or dead condition. Approximately 25 Silver maples located on or near the property line, on neighbouring side, behind the Colorado spruce. Trees within the site are to be removed and trees beyond the property line are to be preserved. |

ARGO MAYFIELD WEST IV LIMITED TREE GROUPING INVENTORY CHART



- NOTES:**
- 1.0 TREE REMOVAL RATIONAL
 1. FOR SERVICES, GRADING AND DRAINAGE INFORMATION SEE ENGINEERING DRAWINGS.
 2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL EXISTING AND PROPOSED GRADES AND CONDITIONS OF THE PROJECT AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH ANY REMOVALS.
 3. TREE REMOVALS SHALL CONFORM WITH THE MIGRATORY BIRDS CONVENTION ACT AND MUNICIPAL BY-LAWS.
 - 2.0 GENERAL
 1. FOR LOCATION OF VIEWPORTS, REFER TO DRAWINGS TPP-1.
 2. FOR TREE PROTECTION NOTES, REFER TO DRAWINGS TPP-3.
 3. ALL NORTH ARROW AND SCALE ARE APPLICABLE TO ALL VIEWPOINTS.

1. THIS DRAWING IS THE EXCLUSIVE PROPERTY OF C.F. GROZIER & ASSOCIATES INC. AND THE MODIFICATION AND/OR REPRODUCTION OF ANY PART OF THIS DRAWING IS STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM THIS OFFICE.
2. THE DIGITAL FILES CONTAIN INTELLECTUAL AND DIGITAL DATA PROPERTY THAT IS THE EXCLUSIVE PROPERTY OF C.F. GROZIER & ASSOCIATES INC.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LEVELS, AND DATUMS ON SITE AND REPORT ANY DISCREPANCIES OR OMISSIONS TO C.F. GROZIER & ASSOCIATES INC. PRIOR TO CONSTRUCTION.
4. THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS APPLICABLE TO THIS PROJECT.
5. ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. DO NOT SCALE DRAWINGS.

- NOTES:**
1. TOPOGRAPHIC SURVEY PROVIDED BY R-PE SURVEYING LTD. (RECEIVED ON 2024.06.20).
 2. BASE INFORMATION PROVIDED BY URBANTECH CONSULTING LTD. (RECEIVED ON 2024.09.22).
 3. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.

| No. | ISSUE | DATE: YYYY/MM/DD |
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| 0 | ISSUED FOR 1st SUBMISSION | 2024/04/23 |

| No. | ISSUE | DATE: YYYY/MM/DD |
|-----|---------------------------|------------------|
| 0 | ISSUED FOR 1st SUBMISSION | 2024/04/23 |

ARBORIST

MATTHEW CAMPBELL, OALA, CSLA
CERTIFIED ARBORIST (ISA CN-3008-A),
TRAG

Project

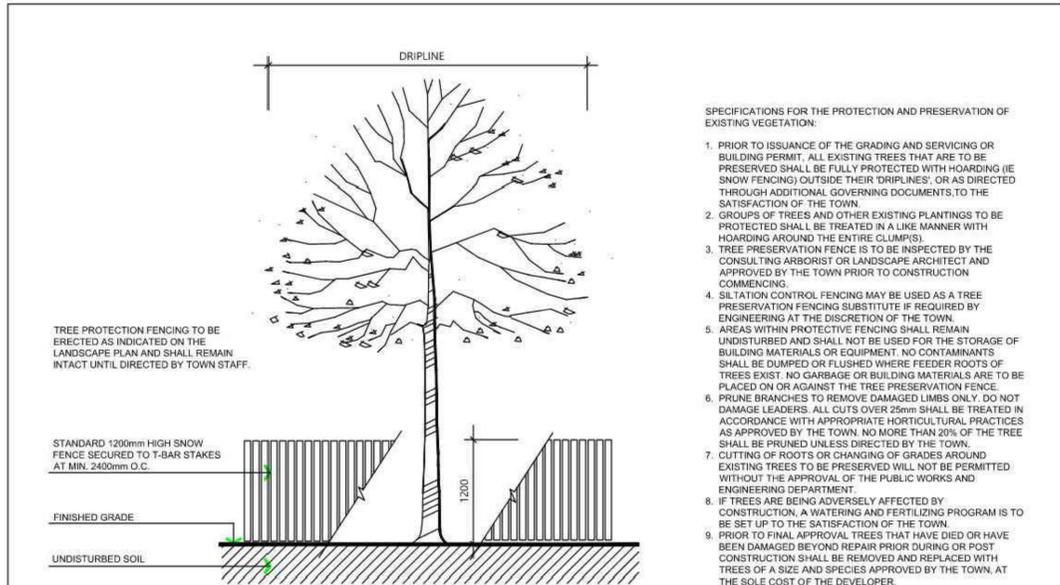
**ARGO ALLOA MAYFIELD IV LIMITED
TREE PRESERVATION PLAN
TOWN OF CALEDON**

Drawing

**ARGO MAYFIELD WEST IV LIMITED
TREE PRESERVATION PLAN**

**CROZIER
CONSULTING ENGINEERS**

| | | | | | |
|----------|------|-----------|-----------|---------|----------|
| Drawn By | K.C. | Design By | K.C./M.C. | Project | 912-7136 |
| Check By | M.C. | Check By | | Drawing | TPP-2 |



SPECIFICATIONS FOR THE PROTECTION AND PRESERVATION OF EXISTING VEGETATION:

- PRIOR TO ISSUANCE OF THE GRADING AND SERVICING OR BUILDING PERMIT, ALL EXISTING TREES THAT ARE TO BE PRESERVED SHALL BE FULLY PROTECTED WITH HOARDING (IE SNOW FENCING) OUTSIDE THEIR DRIPLINES, OR AS DIRECTED THROUGH ADDITIONAL GOVERNING DOCUMENTS, TO THE SATISFACTION OF THE TOWN.
- GROUPS OF TREES AND OTHER EXISTING PLANTINGS TO BE PROTECTED SHALL BE TREATED IN A LIKE MANNER WITH HOARDING AROUND THE ENTIRE CLUMP(S).
- TREE PRESERVATION FENCE IS TO BE INSPECTED BY THE CONSULTING ARBORIST OR LANDSCAPE ARCHITECT AND APPROVED BY THE TOWN PRIOR TO CONSTRUCTION COMMENCING.
- SILTATION CONTROL FENCING MAY BE USED AS A TREE PRESERVATION FENCING SUBSTITUTE IF REQUIRED BY ENGINEERING AT THE DISCRETION OF THE TOWN.
- AREAS WITHIN PROTECTIVE FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT. NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE FEEDER ROOTS OF TREES EXIST. NO GARBAGE OR BUILDING MATERIALS ARE TO BE PLACED ON OR AGAINST THE TREE PRESERVATION FENCE.
- PRUNE BRANCHES TO REMOVE DAMAGED LIMBS ONLY. DO NOT DAMAGE LEADERS. ALL CUTS OVER 25mm SHALL BE TREATED IN ACCORDANCE WITH APPROPRIATE HORTICULTURAL PRACTICES AS APPROVED BY THE TOWN. NO MORE THAN 20% OF THE TREE SHALL BE PRUNED UNLESS DIRECTED BY THE TOWN.
- CUTTING OF ROOTS OR CHANGING OF GRADES AROUND EXISTING TREES TO BE PRESERVED WILL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE PUBLIC WORKS AND ENGINEERING DEPARTMENT.
- IF TREES ARE BEING ADVERSELY AFFECTED BY CONSTRUCTION, A WATERING AND FERTILIZING PROGRAM IS TO BE SET UP TO THE SATISFACTION OF THE TOWN.
- PRIOR TO FINAL APPROVAL TREES THAT HAVE DIED OR HAVE BEEN DAMAGED BEYOND REPAIR PRIOR DURING OR POST CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH TREES OF A SIZE AND SPECIES APPROVED BY THE TOWN, AT THE SOLE COST OF THE DEVELOPER.

| | | | |
|-----------------|---------------------------------------|------------|------------------------|
| TOWN OF CALEDON | | APRD: C.C. | DATE: JUNE 08 |
| 3 | STANDARD 707 NOW 606 | JAN 16 | |
| 2 | STANDARD No. 1135 NOW 707, NOTES EDIT | JUNE 08 | DRAWN: abal SCALE: NTS |
| 1 | NOTE NO. 9 ADDED | MARCH 08 | |
| NO. | REVISION | APRD | DATE |

1 TREE PRESERVATION FENCING

N.T.S.

SPECIFICATIONS

A. General

The following Tree Preservation and Protection Measures will be undertaken to help eliminate and/or significantly reduce construction injury to all trees recommended for preservation. All temporary tree protection measures cited for retained trees must comply with the Town of Caledon Tree Protection Specifications and Details. Any variation from the standard tree protection measures must be approved in writing by the Town of Caledon.

B. Pre-Construction Phase

- Prior to construction, the trees to be preserved shall be protected with a Tree Protection Barrier. The barrier shall consist of 1.2m (4ft) high orange plastic snow fence wired to T-bars (see Town of Caledon Tree Preservation Fencing, STD 606).
- If applicable, attach a filter cloth 600mm high to the construction side of the hoarding to act as sediment control. Sediment control fencing shall meet or exceed OPSD-219.110, and be installed to the satisfaction of the Town of Caledon.
- All supports and bracing used to safely secure the barrier should be located outside the Tree Protection Zone (TPZ). All supports and bracing should minimize damage to roots.
- The TPZ fence is to be installed along the edge of the tree protection zones. This hoarding is to remain in place and remain in good condition throughout the entire duration of the project. Dismantling the tree protection barrier prior to approval by the Town of Caledon staff may constitute a contravention.
- The applicant shall notify the Town of Caledon and the consulting certified arborist or landscape architect to confirm that the tree preservation and protection measures are in place.
- Where fill or excavated material must be temporarily located near a TPZ, a wooden barrier must be used to ensure no material enters the TPZ.
- Remove any garbage and foreign debris from the tree protection zones, daily.
- For the trees that were recommended for removal and/or crown pruning that are within the TPZ limits, these activities are to be performed by a qualified ISA certified arborist prior to the installation of the Tree Protection Zone barriers and prior to the commencement of any construction activities. Install the Tree Protection Zone barrier as per Tree Preservation Fencing, STD 606 at the limits shown on the tree inventory and protection plan after the tree removal, whichever is greater, and crown pruning activities are completed.
- A Tree Protection Zone sign must be mounted on all sides of the tree protection barrier for the duration of site construction. The sign should be a minimum of 40cm x 60cm and made of white gator board or equivalent material.
- The sign must be similar to the illustration shown below, or as directed by the Town of Caledon.



- All contractors and site visitors should be informed of the tree preservation and protection measures at a pre-construction meeting.

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| TOWN OF CALEDON | | APRD: B.B. | DATE: AUGUST 17 |
| TREE PRESERVATION STANDARD NOTES - PART 1 | | DRAWN: B.M. | SCALE: NTS |
| NO. | REVISION | APRD | DATE |

2 TREE PRESERVATION STANDARD NOTES

N.T.S.

SPECIFICATIONS continued from previous panel

C. During Construction Phase

- All areas within the TPZ shall remain undisturbed for the duration of construction. There will be no grade changes, dumping, and storage of any materials, structures or equipment within these areas. The Tree Protection Barrier must not be removed without the written authorization of the Town of Caledon.
- Minor grading works will be permitted at the edge of the preservation zone as required to correct localized depressions, and blend to existing grades. This work to be undertaken under the direct supervision of an ISA certified arborist. A certified ISA arborist will undertake proper root pruning in accordance with acceptable arboriculture practices when and if roots of retained trees are to be exposed, damaged, or severed by construction work. The exposed roots will be backfilled with appropriate material as soon as possible to prevent desiccation. Root pruning prior to excavation will help prevent necessary damage to tree roots. The use of low pressure hydrovac to expose roots is recommended, at no additional cost.
- The Town of Caledon must be notified for all work that impacts the TPZ for temporary removal of a section of hoarding to gain access for fine grading or other works. All works are to be supervised by the Town of Caledon.
- No cables, wire or ropes of any kind shall be wrapped around or installed in trees to be preserved.
- No contaminants will be dumped or flushed in the TPZ areas or where feeder roots of trees exist (generally beyond the TPZ areas).
- Irrigate tree protection zones during drought conditions, June to September to reduce drought stress.
- Inspect the site daily to ensure hoarding is in place and in good condition. Inspect trees to monitor condition.

D. Post Construction Phase

- Following the completion of all site works including landscaping, and after review and approval by the Town of Caledon staff, the protective hoarding may be removed.
- After removal of the protective hoarding, the Tree Preservation Zones shall be inspected by the Town of Caledon staff. Any remaining dead, diseased, or hazardous limbs or trees are to be removed by an ISA certified arborist as directed by the consulting arborist or Town of Caledon staff.

end of specifications

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|---|----------|-------------|-----------------|
| TOWN OF CALEDON | | APRD: B.B. | DATE: AUGUST 17 |
| TREE PRESERVATION STANDARD NOTES - PART 2 | | DRAWN: B.M. | SCALE: NTS |
| NO. | REVISION | APRD | DATE |

3 TREE PRESERVATION STANDARD NOTES

N.T.S.

- THIS DRAWING IS THE EXCLUSIVE PROPERTY OF C.F. CROZIER & ASSOCIATES INC. AND THE MODIFICATION AND/OR REPRODUCTION OF ANY PART OF THIS DRAWING IS STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM THIS OFFICE.
- THE DIGITAL FILES CONTAIN INTELLECTUAL AND DIGITAL DATA PROPERTY THAT IS THE EXCLUSIVE PROPERTY OF C.F. CROZIER & ASSOCIATES INC.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LEVELS, AND DATUMS ON SITE AND REPORT ANY DISCREPANCIES OR OMISSIONS TO C.F. CROZIER & ASSOCIATES INC. PRIOR TO CONSTRUCTION.
- THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS APPLICABLE TO THIS PROJECT.
- ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- DO NOT SCALE DRAWINGS.

- NOTES:**
- TOPOGRAPHIC SURVEY PROVIDED BY R-PE SURVEYING LTD. (RECEIVED ON 2024.06.20).
 - BASE INFORMATION PROVIDED BY URBANTECH CONSULTING LTD. (RECEIVED ON 2024.09.22).
 - ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.

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| NO. | ISSUE | DATE: YYYY/MM/DD |
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ARBORIST

MATTHEW CAMPBELL, OALA, CSLA
CERTIFIED ARBORIST (ISA 0N-3008-A),
TRAG

Project: **ARGO ALLOA MAYFIELD IV LIMITED**
TREE PRESERVATION PLAN
TOWN OF CALEDON

Drawing: **TREE PRESERVATION DETAIL PLAN**

CROZIER
CONSULTING ENGINEERS

| | | |
|----------------|----------------------|-------------------|
| Drawn By: K.C. | Design By: K.C./M.C. | Project: 912-7136 |
| Check By: M.C. | Check By: | Drawing: TPP-3 |