

KEY MAP

LEGEND

- SUBDIVISION BOUNDARY LINE
- PROPOSED LOT BOUNDARY LINE
- FUTURE DEVELOPMENT BOUNDARY LINE
- LOT NUMBER
- PROPOSED TREE PRESERVATION FENCING
- TAG NUMBER EXISTING DECIDUOUS TREE TO BE PRESERVED
- TAG NUMBER EXISTING TREE TO BE REMOVED
- TAG NUMBER EXISTING TREE TO BE PRESERVED UNTIL REVIEW AT FUTURE BLOCK DEVELOPMENT STAGE

- GENERAL NOTES
- THIS PLAN TO BE USED FOR TREE PRESERVATION PURPOSES ONLY.
  - BASE INFORMATION OBTAINED FROM HOLDING JONES VANDERKREIN INC. AND KLM PLANNING PARTNERS INC. PROJECT NO. P-8067.
  - FOR NOTES REFER TO DWG. TP-2
  - FOR TREE PRESERVATION FENCING DETAIL AND TREE INVENTORY LIST REFER TO DWG. TP-3.
- AGRICULTURAL GUIDELINES - TREES TO BE PRESERVED

THE FOLLOWING TASKS SHALL BE PERFORMED BY A QUALIFIED TREE CARE PRACTITIONER UNDER ON-SITE SUPERVISION OF THE LANDSCAPE ARCHITECT / CERTIFIED ARBORIST.

- ALL ON SITE TREES TO REMAIN SHALL BE PRUNED OF ALL DEADWOOD, HAZARDOUS LIMBS AND DEAD BRANCH STUPS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL MAN-MADE AND CONSTRUCTION DEBRIS SHALL BE REMOVED BY HAND AND DISPOSED OF OFF SITE.
- EXISTING GRADES BELOW TREES TO BE PRESERVED SHALL REMAIN UNDISTURBED.

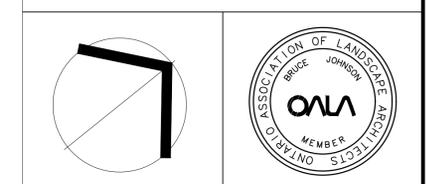
No.	Description	By	Date
2	PER NEW DASE PLAN/GENERAL REVISIONS	SS	JAN/20/20
1	ISSUED FOR CLIENT REVIEW	SS	SEP/10/19

Revisions

This drawing is not to be used for construction unless signed by the Landscape Architect.

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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Client **STYLUS DEVELOPMENTS**  
 MARILYN STREET AND OLD CHURCH ROAD  
 CALEDON EAST

TOWN OF CALEDON

Title **TREE PRESERVATION PLAN**

Drawn	SS	Scale	1:300	Dwg File	2751-TP
Checked	MV/ML	Date	AUG. 09, 2019	Drawing No.	TP-1
Approved	BJ	Project No.	19-2751		

10 TREE PRESERVATION GUIDELINES

- 11 THE CONTRACTOR WILL BE CAREFULLY AND THOROUGHLY INFORMED BY THE DEVELOPER OF HIS CONTRACTUAL OBLIGATIONS REGARDING TREE AVOIDANCE AND PRESERVATION, AS WELL AS MAINTENANCE MEASURES TO BE UNDERTAKEN PRIOR TO COMMENCEMENT OF ANY SITE WORK.
- 12 THE DEVELOPER IS REQUIRED TO BE INFORMED ABOUT THE WILDLIFE ACT AND MIGRATORY BIRD CONVENTION ACT, 1994 (M-70)-C.R.C., c.1095 GENERAL PROHIBITIONS, SECTION 6) REQUIREMENTS TO ENSURE CONFORMANCE WITH PROVINCIAL AND FEDERAL REGULATIONS. IT IS AN OFFENCE TO DESTROY ACTIVE NESTS AND/OR EGGS DURING BIRD NESTING PERIODS. COMMON NESTING PERIODS EXTEND FROM APRIL 1ST TO JULY 31ST FOR MOST BIRDS. NESTING CAN OCCUR AT OTHER TIMES AS WELL. LARGE SCALE CLEARING OPERATIONS ARE PROHIBITED DURING THIS PERIOD, UNLESS APPROPRIATE MONITORING IS UNDERTAKEN. SHOULD TREE REMOVAL DURING BIRD NESTING SEASON BE UNAVOIDABLE, THE DEVELOPER IS REQUIRED TO CONDUCT A NESTING SURVEY. IN ADDITION, THE DEVELOPER IS ALSO REQUIRED TO PROVIDE ON-SITE MONITORING BY A REGISTERED PROFESSIONAL BIOLOGIST TO ENSURE NESTS WILL NOT BE DAMAGED.
- 13 THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST MUST BE RETAINED ON SITE BY THE DEVELOPER WITH A HARD COPY OF THE APPROVED TREE PRESERVATION PLAN DURING CRITICAL STAGES OF GRADING AND CONSTRUCTION TO ENSURE STRICT ADHERENCE TO ITS RECOMMENDATIONS AND TO SUPERVISE THOSE ELEMENTS OF THE PROJECT THAT RELATE TO THE PRESERVATION OF THE TREES.
- 14 CONTRACTORS ARE RESPONSIBLE FOR ALL PROTECTION TECHNIQUES, TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST. WHERE DIRECTED BY THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST, THE CONTRACTOR WILL REPLACE ALL DAMAGED OR DESTROYED EXISTING PLANT MATERIAL AFFECTED DURING THE COURSE OF CONSTRUCTION WITH THE FOLLOWING CONDITIONS AND TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST AND THE TOWN:
- WITH PLANT MATERIAL OF IDENTICAL OR SIMILAR SPECIES,
  - OF EQUAL OR GREATER SIZE, AND,
  - IN SAME QUANTITY
- 15 PROTECTIVE FENCING
- THE CONTRACTOR WILL PROVIDE PROTECTIVE FENCING PRIOR TO COMMENCEMENT OF ANY SITE WORK TO ALL EXISTING INDIVIDUAL TREES AND ASSOCIATED UNDERSTOREY AND GROUND COVER WHICH ARE TO REMAIN. GROUPS OF TREES AND OTHER EXISTING PLANTINGS TO BE PROTECTED WILL BE DONE IN A LIKE MANNER WITH FENCING AROUND THE ENTIRE CLUMP(S). THE FENCING WILL BE LOCATED 360 DEGREES AROUND SINGLE OR CLUMP(S) OF PROTECTED TREES.
  - PROTECTIVE TREE FENCING WILL BE DEFINED AS ORANGE PLASTIC COVERED FARM WIRE FENCING WITH A HEIGHT OF 1200mm.
  - THE CONTRACTOR WILL INSTALL PROTECTIVE FENCING ON (50mm X 50mm X 6mm) - 2400mm LENGTH STEEL T-BARS POSITIONED 1200mm ON CENTRE MAXIMUM. THE PROTECTIVE FENCING WILL BE WIRED IN THREE (3) PLACES EVENLY SPACED ALONG THE STEEL T-BAR WITH #10 GALVANIZED WIRE.
  - THE LANDSCAPE ARCHITECT/ISA ARBORIST WILL INSPECT AND THE CONTRACTOR WILL MAINTAIN PROTECTIVE FENCING REGULARLY IN GOOD REPAIR. PROTECTIVE FENCING SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF CONSTRUCTION AND SHALL NOT ALLOW TRAFFIC, VEHICLES, FOOT TRAFFIC OR EQUIPMENT TO COMPACT SOIL WITHIN THE TREE PROTECTION ZONES. ACCESS ROUTES SHOULD BE ESTABLISHED AWAY FROM PROTECTED AREAS.
  - INSTALLATION OF PROTECTIVE FENCING WILL BE COMPLETED PRIOR TO THE COMMENCEMENT OF SITE CLEARANCE, DEMOLITION OR ANY OTHER TYPE OF CONSTRUCTION, TO THE SATISFACTION OF THE ISA CERTIFIED ARBORIST AND THE TOWN, AND REMAIN INTACT THROUGH THE COMPLETION OF CONSTRUCTION WORKS. ANY PROTECTIVE FENCING INSTALLED IS THE RESPONSIBILITY OF THE CONTRACTOR. ONCE CONSTRUCTION WORKS HAVE BEEN COMPLETED, CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE REMOVAL OF THE PROTECTIVE FENCING.
  - AREAS WITHIN THE PROTECTIVE FENCING WILL REMAIN UNDISTURBED AND WILL NOT BE USED FOR STORAGE OF BUILDING MATERIALS OR EQUIPMENT.
- 16 NO TREES WILL BE CUT OR REMOVED WITHOUT THE TOWN'S WRITTEN APPROVAL.
- 17 WHERE ROOT SYSTEMS OF PROTECTIVE TREES ARE EXPOSED DIRECTLY, ADJACENT TO OR ARE DAMAGED BY CONSTRUCTION WORK, THEY WILL BE TRIMMED NEATLY AND THE AREA BACKFILLED WITH APPROPRIATE MATERIAL TO PREVENT DESICCATION.
- 18 SHOULD THE ROOT SYSTEM OR ABOVE GROUND COMPONENTS, OF ANY TREES DESIGNATED TO REMAIN SUSTAIN MINOR DAMAGE, AS DETERMINED BY AN ISA CERTIFIED ARBORIST, REMEDIATION OF THE DAMAGE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND AT THE ADVICE OF THE ISA CERTIFIED ARBORIST. IF IRREPARABLE DAMAGE HAS OCCURRED, THE TREE BECOMES UNSAFE OR LIABILITY IS QUESTIONABLE, THE CONTRACTOR WILL BE REQUIRED TO REMOVE THE TREE(S) AND RE-ESTABLISH THE TREE(S) TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST AND THE TOWN.
- 19 IN THE EVENT THAT IT IS ESSENTIAL FOR LARGE (7CM TO 8CM DIAMETER) ROOTS TO BE CUT, EXCAVATED OR INJURED DURING CONSTRUCTION, THE ROOTS WILL BE CUT FLUSH UNDER THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST'S SUPERVISION AND IN ACCORDANCE WITH APPROVED ARBORICULTURAL PRACTICES.
- 110 SHOULD THE BRANCHES OF ANY TREE DESIGNATED TO REMAIN SUSTAIN DAMAGE DUE TO CONTRACTOR NEGLIGENCE, REMEDIATION WILL BE AS DIRECTED BY THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST AT THE CONTRACTOR'S EXPENSE.
- 111 PROTECTIVE MEASURES
- SANITATION, PRUNING, ROOT FEEDING, WATERING DURING DRY SEASON, AND OTHER TREE PROTECTIVE MEASURES SHOULD BE CARRIED OUT DURING CONSTRUCTION OF OPTIMUM RESULTS, AS FOLLOWS:
- PRUNING PRACTICES
- ALL LIMBS DAMAGED OR BROKEN DURING THE COURSE OF CONSTRUCTION WILL BE PRUNED CLEANLY, UTILIZING CLEAN, SCISSOR ACTION (NOT ANVIL TYPE) SECATEURS IN ACCORDANCE WITH APPROVED ARBORICULTURAL PRACTICES.
  - ROOTS OF EXISTING TREES THAT ARE DISTURBED BY EXCAVATION OR ANY OTHER CONSTRUCTION ACTIVITY WILL BE CLEANLY PRUNED, AS DIRECTED BY THE ISA CERTIFIED ARBORIST. TOOLS MUST BE DISINFECTED AFTER PRUNING A TREE AND WHEN PRUNING ANY MEMBERS OF THE SAME GENERA, TO PREVENT THE SPREAD OF DISEASE.
  - ALL PRUNING CUTS WILL BE MADE TO A GROWING POINT SUCH AS A BUD, TWIG OR BRANCH. NO STUBS SHOULD BE LEFT. POOR CUT LOCATION, POOR CUT ANGLE AND TORN CUTS ARE NOT ACCEPTABLE. PRUNING OF THOSE TREES, WHERE HEAVY BLEEDING MAY OCCUR, IS TO BE POSTPONED UNTIL IN FULL LEAF. DO NOT DAMAGE LEAD BRANCHES OR REMOVE SMALLER TWIGS ALONG MAIN BRANCHES.
- 112 PROTECTIVE MEASURES CONTINUED
- PRUNING SHOULD INCLUDE THE CAREFUL REMOVAL OF:
    - DEADWOOD
    - BRANCHES THAT ARE WEAK, DAMAGED, OR DISEASED
    - SECONDARY LEADERS OF CONIFERS
    - TRUNK AND ROOT SUCKERS
    - TRUNK WATERSPOUTS
    - TIGHT V-SHAPED OR WEAK CROTCHES
    - BRANCHES THAT RUB CAUSING DAMAGE TO BARK

- WATERING DURING A DRY SEASON
- THE CONTRACTOR, ON DIRECTION FROM THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST, WILL BE REQUIRED TO WATER LARGE TREES A MINIMUM OF THREE (3) TIMES DURING THE SUMMER OR AS REQUIRED.
- 113 EXCAVATING AROUND EXISTING TREES
- THIS PROCEDURE IS TO BE UNDERTAKEN ONLY AT THE DIRECTION, SUPERVISION AND APPROVAL OF THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST AND IN REFERENCE TO THE FOLLOWING CHART- TABLE 1: TREE PROTECTION ZONES FOR INDIVIDUAL SPECIMEN TREES, SHOWING MINIMUM DISTANCES REQUIRED FOR DETERMINING A TREE PROTECTION ZONE. SOME TREES AND SOME SITE CONDITIONS MAY REQUIRE A LARGER TREE PROTECTION ZONE.

TABLE 1: TREE PROTECTION ZONES FOR INDIVIDUAL SPECIMEN TREES

TRUNK DIAMETER (cm) (MEASUREMENT OF A TREE TRUNK TAKEN AT 1.4m ABOVE GRADE)	MINIMUM PROTECTION DISTANCE REQUIRED BEYOND DRIPLINE (m) (TREE PROTECTION ZONE DISTANCE MEASURED FROM OUTSIDE EDGE OF DRIPLINE)
LESS THAN 10	18
11-40	24
41-50	30
51-60	36
61-70	42
71-80	48
81-90	54
91-100	60

- THE DEVELOPER/OWNER MAY BE REQUIRED TO UNDERTAKE PRESERVATION TECHNIQUES SUCH AS DRY WELLING AND ROOT FEEDING.
- ALL FILLING AND GRADING THAT IS APPROVED WITHIN A TREE RETENTION AREA WILL BE COMPLETED BY HAND.
- EXCAVATION TO BE PERFORMED ON ONLY ONE SIDE OF THE TREE. ALL OTHER GRADE CHANGES WILL BE MADE OUTSIDE OF THE DRIP LINE. CUT SLOPE FROM MINIMUM PROTECTION DISTANCE TO DRIPLINE REQUIRED IN TABLE 1: TREE PROTECTION ZONES FOR INDIVIDUAL SPECIMEN TREES TO NEW GRADE LEVEL. BUILD A TOPSOIL DYKE AROUND DRIPLINES TO RETAIN WATER AS REQUIRED.
- IF EXCAVATION THROUGH ROOTS IS REQUIRED, EXCAVATE BY HAND AND PRUNE ROOTS WITH A SHARP AXE, TREE LOOPER OR SAW. CONDUCT ROOT PRUNING ACCORDING TO AFOREMENTIONED GUIDELINES ON PRUNING.
- THE AREAS SURROUNDING THE ROOT SYSTEM SHALL BE BACKFILLED IMMEDIATELY WITH NATIVE MATERIAL AFTER DAMAGE OCCURS TO PREVENT DRYING AND/OR DIE-BACK.

- 114 CLEARING OPERATIONS SHOULD BE IDENTIFIED IN AREAS INCLUDING BUILDING SITINGS, PARKING LOTS, RIGHT OF WAYS AND CUT/FILL EARTHWORK ZONES. ANY TREES LOCATED DOWNHILL OF WATER FLOW WILL BE PROTECTED FROM SILTATION BY STRAW BALES AND/OR SILTATION FENCE.
- 115 AFTER CONSTRUCTION, ALL PRESERVATION VEGETATION SHOULD BE INSPECTED FOR ITS STATE OF HEALTH BY THE ISA CERTIFIED ARBORIST AND THE TOWN OF CALEDON.

12 GENERAL TREE PRESERVATION AND PROTECTION NOTES

- 12.1 THE AREA WITHIN DRIPLINE OF ALL EXISTING TREES AND/OR AREAS TO BE PROTECTED WILL BE PROPERLY PROTECTED WITH FENCING AS DETAILED. ALL EXISTING TREES WHICH ARE TO REMAIN ON SITE, OR ON ADJACENT PROPERTIES WHICH MAY BE AFFECTED, WILL BE FULLY PROTECTED WITH PROTECTIVE FENCING ERECTED 1.0m OUTSIDE THE "DRIP LINE" OF TREES, OR IN THE CASE OF INDIVIDUAL SPECIMEN TREES, AS PER TABLE 1: TREE PROTECTION ZONES FOR INDIVIDUAL SPECIMEN TREES, PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 42.2 AREAS WITHIN THE PROTECTIVE FENCING WILL REMAIN UNDISTURBED, AND WILL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS, EQUIPMENT, SURPLUS SOIL, OR CONSTRUCTION DEBRIS. THIS WILL BE COMPLETED PRIOR TO THE COMMENCEMENT OF SITE CLEARANCE, DEMOLITION OR ANY OTHER TYPE OF CONSTRUCTION WORKS TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST, AND THE TOWN OF CALEDON.
- 42.3 NO CONSTRUCTION ACTIVITY, GRADE CHANGES, SURFACE TREATMENT OR EXCAVATIONS OF ANY KIND ARE PERMITTED WITHIN THE TREE PROTECTION ZONE.
- 42.4 NO RIGGING CABLES SHALL BE WRAPPED AROUND OR INSTALLED IN TREES AND/OR PROTECTED AREAS.
- 42.5 NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE FEEDER ROOTS OF PROTECTED TREES AND/OR AREAS EXIST.
- 42.6 THE DEVELOPER AND/OR CONTRACTOR WILL TAKE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE TO TREES, SHRUBS OR OTHER PLANTS TO BE RETAINED.
- 42.7 ALL LIMBS DAMAGED OR BROKEN DURING THE COURSE OF CONSTRUCTION WILL BE PRUNED CLEANLY, UTILIZING CLEAN, SCISSOR ACTION (NOT ANVIL TYPE) SECATEURS IN ACCORDANCE WITH ACCEPTED ARBORICULTURAL PRACTICES.
- 42.8 WHERE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST APPROVES, LIMBS OR PORTIONS OF TREES ARE TO BE REMOVED TO ACCOMMODATE CONSTRUCTION WORK, THEY SHALL BE REMOVED CAREFULLY IN ACCORDANCE WITH ACCEPTED ARBORICULTURAL PRACTICE AND MEASURES WILL BE TAKEN TO PREVENT ANY FURTHER DAMAGE.
- 42.9 IF GRADES AROUND THE TREES TO BE PROTECTED ARE LIKELY TO CHANGE, PRECAUTIONS MUST BE UNDERTAKEN TO THE SATISFACTION OF THE ISA CERTIFIED ARBORIST AND THE TOWN. THESE PRECAUTIONS ARE THE RESPONSIBILITY OF THE DEVELOPER AND/OR THE CONTRACTOR. THESE PRECAUTIONS MAY INCLUDE DRY WELLING AND ROOT FEEDING, AND MUST BE IN ACCORDANCE WITH THE AFOREMENTIONED TREE PRESERVATION GUIDELINES.
- 42.10 TREES THAT HAVE DIED OR BEEN DAMAGED BEYOND REPAIR WILL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE BY TREES OF A SIMILAR SIZE AND SPECIES OR SUCH SIZE AND SPECIES AS MAY BE APPROVED BY THE ISA CERTIFIED ARBORIST AND THE TOWN OF CALEDON.
- 42.11 ANY TREES DESIGNATED FOR REMOVAL SHALL HAVE THE STUMPS COMPLETELY EXCAVATED AND REMOVED UNLESS SUCH REMOVAL WILL ADVERSELY AFFECT EXISTING TREES/ECOLOGY TO REMAIN, IN WHICH CASE TRUNKS WILL BE CUT TO EXISTING GRADES.
- 42.12 ALL WOODY MATERIAL REMOVED WILL BE RECYCLED AS DIRECTED BY THE TOWN OF CALEDON, AND USED FOR FENCE POSTS, SAW LOGS, FIREWOOD OR WOODCHIPS WHERE APPROPRIATE.
- 13 SITE INSPECTIONS
- 13.1 PRIOR TO ANY REMOVAL OF THE TREES AND/OR PLANT MATERIAL, INSTALLATION PROTECTIVE BARRIERS AND ANY SITE GRADING, A CONSTRUCTION MANAGEMENT MEETING WILL BE HELD ON THE SITE REPRESENTATIVES FROM THE TOWN OF CALEDON, THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST, AND CONTRACTOR.

- DURING THE MEETING/INSPECTION:
- TREES TO BE REMOVED WILL BE SPRAY PAINTED.
  - PROTECTIVE FENCING WILL BE STAKED OUT WHERE REQUIRED, AND,
  - AGREEMENT WILL BE MADE ON WHEN AND HOW THE WORKS BEGIN, AND WHEN THE WORKS WILL BE COMPLETED.
- 13.2 THE TREE PRESERVATION ZONES WILL BE INSPECTED BY THE LANDSCAPE ARCHITECT/ISA CERTIFIED ARBORIST FOLLOWING INSTALLATION OF PROTECTIVE BARRIERS AND REMOVAL OF ALL DEAD OR DECLINING MATERIAL.
- 13.3 THE LANDSCAPE ARCHITECT WILL CONTACT THE PLANNING DEPARTMENT WHEN THE TREE PRESERVATION WORKS HAVE BEEN COMPLETED TO CONDUCT AN INSPECTION. IF ALL TREE PRESERVATION WORKS AND ALL WORKS ADJACENT TO THE TREE PRESERVATION AREAS HAVE BEEN COMPLETED, A CERTIFICATE OF COMPLETION WILL BE ISSUED TO THE PLANNING DEPARTMENT BY THE LANDSCAPE ARCHITECT. THE CERTIFICATE OF COMPLETION WILL INDICATE THE START OF THE WARRANTY PERIOD (TO BE DETERMINED). THE COMPLETION OF ALL WORKS SHALL MEAN THE FULL IMPLEMENTATION OF THE TREE PRESERVATION GUIDELINES, INCLUDING THE RELOCATION/RESTORATION OF ANY PLANT MATERIAL AND THE FINE GRADING, TOP SOILING AND SODDING/SEEDING OF ANY ADJACENT LOTS OR BLOCKS.

TREE PRESERVATION NOTES:

1. TREE PROTECTION ZONE:
- NOTE: NO CONSTRUCTION ACTIVITY INCLUDING GRADE CHANGES, SURFACE TREATMENTS OR EXCAVATIONS OF ANY KIND IS PERMITTED WITHIN THE AREA IDENTIFIED ON THIS PLAN AS A TREE PROTECTION ZONE (TPZ). NO ROOT CUTTING IS PERMITTED. NO STORAGE OF MATERIAL OR FILL IS PERMITTED WITHIN THE TPZ. NO MOVEMENT OR STORAGE OF VEHICLES OR EQUIPMENT IS PERMITTED IN THE TPZ. THE AREA(S) IDENTIFIED AS TPZ MUST REMAIN UNDISTURBED AT ALL TIMES.
- WITHIN A TREE PROTECTION ZONE (TPZ) THERE MUST BE:
- NO ALTERATION OR DISTURBANCE TO EXISTING GRADE OF ANY KIND,
  - NO CHANGES TO THE GRADE BY ADDING FILL, EXCAVATING OR SCRAPING,
  - NO STORAGE OF CONSTRUCTION MATERIALS OR EQUIPMENT,
  - NO STORAGE OF SOIL, CONSTRUCTION WASTE OR DEBRIS,
  - NO DISPOSAL OF ANY LIQUIDS EG. CONCRETE, OIL, GAS, OIL, PAINT, AND
  - NO MOVEMENT OF VEHICLES, EQUIPMENT OR PEDESTRIANS.
2. TREE PROTECTION BARRIERS:
- GENERAL NOTES:
- THE TREE PROTECTION BARRIERS SPECIFIED ON DRAWING TP-1 MUST BE INSTALLED, LOCATION REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT/CERTIFIED ARBORIST PRIOR TO ANY CONSTRUCTION ACTIVITY ON SITE.
  - THE TREE PROTECTION BARRIERS MUST REMAIN IN EFFECTIVE CONDITION UNTIL ALL SITE ACTIVITIES INCLUDING LANDSCAPING ARE COMPLETE.

ARBORICULTURAL GUIDELINES - TREES TO BE PRESERVED

- THE FOLLOWING TASKS SHALL BE PERFORMED BY A QUALIFIED TREE CARE PRACTITIONER (IE. INTERNATIONAL SOCIETY OF ARBORICULTURE CERTIFIED ARBORIST, REGISTERED PROFESSIONAL FORESTER OR APPROVED EQUAL) UNDER ON-SITE SUPERVISION OF THE LANDSCAPE ARCHITECT/CERTIFIED ARBORIST.
- ALL TREES TO REMAIN SHALL BE PRUNED OF ALL DEADWOOD, HAZARDOUS LIMBS AND DEAD BRANCH STUBS PRIOR TO COMMENCEMENT OF RESTORATION WORKS.
  - MAINTENANCE PRUNING SHALL BE CONDUCTED DURING FALL DORMANT PERIODS 2020 AND 2021.

2	PER NEW BASE PLAN/GENERAL REVISIONS	SS	JAN/25/20
1	ISSUED FOR CLIENT REVIEW	SS	SEP/10/19
No.		By	Date

Revisions

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Approved by:..... Date:.....

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**COSBURN GIBERSON** LANDSCAPE ARCHITECTS

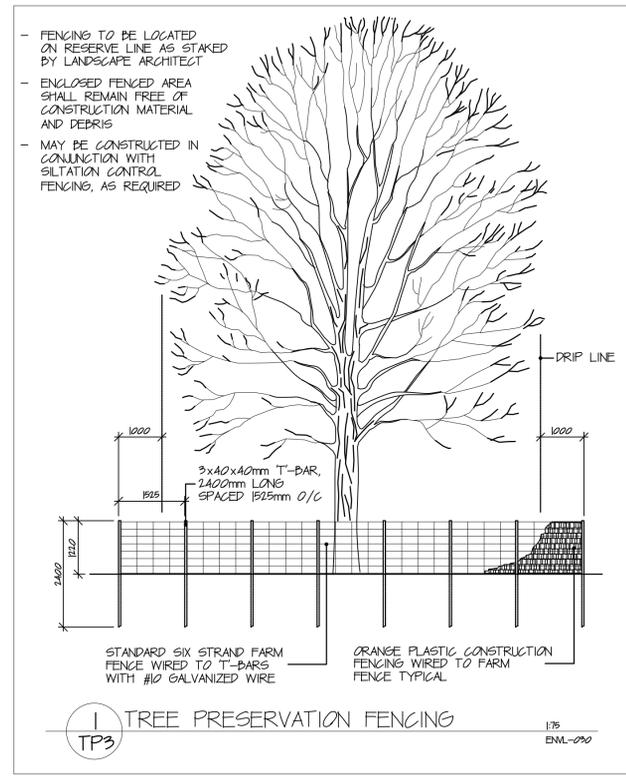
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Client **STYLUS DEVELOPMENTS**  
MARYLYN STREET AND OLD CHURCH ROAD  
CALEDON EAST

**TOWN OF CALEDON**

Title **TREE PRESERVATION NOTES**

Drawn	Scale	Drwg File
SS	NTS	2781-TP
Checked	Date	Drawing No.
MW/ML	AUG 09, 2019	TP-2
Approved	Project No.	
PJ	19-2781	



1. ALL EXISTING TREES WHICH ARE TO REMAIN SHALL BE FULLY PROTECTED WITH PROTECTION FENCE OR SIMILAR STRUCTURE ERECTED OUTSIDE THE DRIP LINE OF TREES. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION GROUPS OF TREES AND OTHER EXISTING PLANTINGS TO BE PROTECTED SHALL BE DONE IN A LIKE MANNER WITH PROTECTIVE FENCING OR OTHER SIMILAR STRUCTURE AROUND THE ENTIRE (CLUMPS) AREAS WITHIN THE PROTECTIVE FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT.
2. NO RIGGING CABLES SHALL BE WRAPPED AROUND OR INSTALLED IN TREES. SURPLUS SOIL, EQUIPMENT, DEBRIS OR MATERIALS SHALL NOT BE PLACED OVER ROOT SYSTEMS OF THE TREES WITHIN THE PROTECTIVE FENCING AREA. NO CONTAMINANTS SHALL BE PUMPED OR FLUSHED WHERE FEEDER ROOTS OF TREES EXIST.
3. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE TO TREES OR SHRUBS TO BE RETAINED.
4. WHERE LIMBS OR PORTIONS OF TREES ARE REMOVED TO ACCOMMODATE CONSTRUCTION WORK, THEY WILL BE CLEANLY CUT. ALL EXPOSED WOOD SHALL BE TREATED WITH AN APPROVED TREE WOOD DRESSING.
5. WHERE ROOT SYSTEMS OF PROTECTED TREES ARE EXPOSED DIRECTLY ADJACENT TO OR DAMAGED BY CONSTRUCTION WORK, THEY SHALL BE TRIMMED NEATLY. THE AREA SHALL BE BACK-FILLED WITH AN APPROPRIATE MATERIAL OR SPRAYED WITH AN APPROVED ANTISEPTIC TO PREVENT DRYING.
6. WHERE NECESSARY, THE TREES WILL BE GIVEN AN OVERALL PRUNING TO RESTORE THE BALANCE BETWEEN ROOTS AND TOP-GROWTH OR TO RESTORE THE APPEARANCE OF THE TREE.
7. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL TREES THAT HAVE BEEN DAMAGED OR HAVE DIED AS A RESULT OF HIS OWN ACTIONS. THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE OWNER AT HIS OWN EXPENSE FOR DAMAGED OR DEAD TREES IN ONE OF THE FOLLOWING FORMS: TREES UP TO 250mm CALIPER WILL BE REPLACED WITH A SPECIMEN OF SIMILAR SPECIES AND SIZE. TREES GREATER THAN 250mm CALIPER SHALL BE EVALUATED MONITORILY ACCORDING TO THE STANDARDS SET OUT BY THE ONTARIO SHADE TREE COUNCIL.
8. IF GRADES AROUND TREES TO BE PROTECTED ARE LIKELY TO CHANGE, THE CONTRACTOR SHALL BE REQUIRED TO TAKE PRECAUTIONS SUCH AS DRY WELLING AND ROOT FEEDING, OR ANY OTHER METHOD APPROVED BY THE LANDSCAPE ARCHITECT IN WRITING.
9. ANY TREES DESIGNATED FOR REMOVAL SHALL HAVE THE STUMPS COMPLETELY EXCAVATED AND REMOVED FROM THE SITE.

2  
TP3 TREE PRESERVATION NOTES ENL-024

MASTER TREE SPECIES LIST

Botanical Name	Common Name
<i>Abies concolor</i>	Silver Fir
<i>Acer negundo</i>	Manitoba Maple
<i>Acer palmatum</i>	Japanese Maple
<i>Acer platanoides</i>	Norway Maple
<i>Acer platanoides 'Crimson King'</i>	Crimson King Norway Maple
<i>Acer platanoides 'Schwedleri'</i>	Schwedler Norway Maple
<i>Acer saccharinum</i>	Silver Maple
<i>Acer saccharum</i>	Sugar Maple
<i>Gleditsia triacanthos var. inermis</i>	Thornless Honeylocust
<i>Juglans nigra</i>	Black Walnut
<i>Juniperus chinensis 'Mountbatten'</i>	Mountbatten Juniper
<i>Morus alba</i>	White Mulberry
<i>Morus alba 'Pendula'</i>	Weeping Mulberry
<i>Picea abies</i>	Norway Spruce
<i>Picea glauca</i>	White Spruce
<i>Pinus sylvestris</i>	Scots Pine
<i>Picea pungens</i>	Colorado Spruce
<i>Picea pungens 'Glauca'</i>	Blue Colorado Spruce
<i>Prunus avium</i>	Bird Cherry
<i>Quercus rubra</i>	Red Oak
<i>Salix matsudana</i>	Corkscrew Willow
<i>Thuja occidentalis</i>	Eastern White Cedar
<i>Ulmus pumila</i>	Siberian Elm

TREE INVENTORY/ARBORIST REPORT

Tree Tag No.	Botanical Name	Diameter at 1.4m Height (cm)	Height (m)	Condition Rating (P,F,G,VG)	Crown Spread (m)	Quality Rating (P,F,G,VG)	Remarks	Priority for Preservation	Preservation Status (P=Preserve R=Remove)
389	<i>Acer saccharinum</i>	97	19	G	17	G	Minor deadwood, codominant at 5 metres	H	P
390	<i>Acer negundo</i>	25	7	F	9	P-F	Leaning	L	P
391	<i>Picea glauca</i>	39	13	G	6%	G	Minor deadwood, lower limbs pruned	H	P
392	<i>Picea pungens</i>	42	11	P	6	P	Nearly dead tree	L	P
393	<i>Morus alba 'Pendula'</i>	12	3	G	2%	G		M	P
394	<i>Picea abies</i>	55	12	G	8%	G	Lower limbs pruned	H	P
395	<i>Picea glauca</i>	34	10	G	6	G	Lower limbs pruned, minor deadwood	H	P
396	<i>Acer platanoides 'Crimson King'</i>	16	7	G	5%	F-G		M	P
397	<i>Acer platanoides</i>	32	9	G	8	F-G		M	P
398	<i>Picea glauca</i>	35	13	G	7	G	At chain link fence, lower limbs pruned	H	P
399	<i>Morus alba 'Pendula'</i>	10	2%	F	2	F-G		M	P
400	<i>Morus alba</i>	16	3	G	5	F-G		M	P
1701	<i>Ulmus pumila</i>	47	18	F-G	15	F	Deadwood, Backthorns adjacent	L	R
1702	<i>Acer negundo</i>	18	5%	P	4	P	Adjacent to wood fence, Manitoba Maple 10,9,F,3 adjacent to south	L	R
1703	<i>Ulmus pumila</i>	20/13	9	F	6	F	In shrub row, 2 stem	L	R
1704	<i>Juglans nigra</i>	12	5%	G	5	G	At wooden fence	H	R
1705	<i>Morus alba</i>	13	5	F-G	3%	F	In Sumac colony, White Cedar hedge to west	L	R
1706	<i>Morus alba</i>	15x2/12	4%	F-G	4	F	Manitoba Maple stump/shoots adjacent to south	L	R
1707	<i>Juglans nigra</i>	15	5%	G	4%	G	White Ash seedling adjacent, woody debris	H	R
1708	<i>Morus alba</i>	16	5	F-G	4	F	Deadwood	L	R
1709	<i>Acer negundo</i>	14	6	F	4%	P-F	At chain link fence, leans southwest	L	P
1710	<i>Acer negundo</i>	72	16	F	14	F	Codominant at 1.5 metres, shoots	L	R
1711	<i>Acer negundo</i>	28/24	11	P	9	P	Deadwood, in decline, codominant at 0.5 metres	L	R
1712	<i>Juglans nigra</i>	10	4	G	3	VG	In shrub row (privet, lilacs)	H	R
1713	<i>Salix matsudana</i>	23	8%	G	6	G	Minor deadwood	M	R
1714	<i>Prunus avium</i>	14	5%	G	3%	F-G		M	R
1715	<i>Picea pungens 'Glauca'</i>	14	7	G	4	VG	Manitoba Maple sapling adj. to east	M	P
1716	<i>Picea pungens 'Glauca'</i>	14	7	G	4	VG	Manitoba Maple sapling adj. to west	H	P
1717	<i>Thuja occidentalis</i>	26	6%	G	7	G	South end of row, clump	M	R
1718	<i>Thuja occidentalis</i>	20/15x2	7	G	5	G	In row, clump	M	R
1719	<i>Thuja occidentalis</i>	14x1/12x9	5%	F-G	4%	G	In row, clump	M	R
1720	<i>Thuja occidentalis</i>	11x3/15x2	6	G	5	G	In row, clump	M	R
1721	<i>Thuja occidentalis</i>	17/15x3	5	G	4	G	In row, clump	M	R
1722	<i>Thuja occidentalis</i>	29	5%	G	3%	G	In row	M	R
1723	<i>Thuja occidentalis</i>	32	6%	G	5%	G	In row	M	R
1724	<i>Thuja occidentalis</i>	15x2/19/3	7	G	5%	G	In row, clump	M	R
1725	<i>Thuja occidentalis</i>	21/22	6	G	5	G	In row, 2 stem	M	R
1726	<i>Thuja occidentalis</i>	21/25	6%	G	6	G	North end of row, 2 stem	M	R
1727	<i>Juniperus chinensis 'Mountbatten'</i>	21	7	G	2	G	In row	M	R
1728	<i>Juniperus chinensis 'Mountbatten'</i>	29	7%	F-G	3	G	In row	H	R
1729	<i>Juniperus chinensis 'Mountbatten'</i>	18	6%	F-G	3	G	In row	H	R
1730	<i>Juniperus chinensis 'Mountbatten'</i>	15	6%	P-F	2	F	In row, in decline, deadwood	L	R
1731	<i>Juniperus chinensis 'Mountbatten'</i>	22	6%	P-F	2	F	End of row, in decline	L	R
1732	<i>Picea glauca</i>	31	10	G	6	G	In garden	H	R
1733	<i>Thuja occidentalis</i>	28	8%	G	5%	G	At wood fence	H	R
1734	<i>Picea glauca</i>	32	9	F-G	6	G	Pruned (lower limbs)	H	R
1735	<i>Picea glauca</i>	33	9%	G	6	G	Pruned (lower limbs)	H	R

Tree Tag No.	Botanical Name	Diameter at 1.4m Height (cm)	Height (m)	Condition Rating (P,F,G,VG)	Crown Spread (m)	Quality Rating (P,F,G,VG)	Remarks	Priority for Preservation	Preservation Status (P=Preserve R=Remove)
1736	<i>Pinus sylvestris</i>	33	7	G	5%	G	Pruned (lower limbs)	H	R
1737	<i>Picea glauca</i>	31	7%	G	6%	G		H	R
1738	<i>Acer platanoides</i>	23	9	G	8%	F	Frost crack (calloused)	M	R
1739	<i>Thuja occidentalis</i>	12	5	F-G	1%	G	In cedar row, deadwood	M	R
1740	<i>Thuja occidentalis</i>	13	5%	F-G	1%	G	In cedar row, minor deadwood	M	R
1741	<i>Thuja occidentalis</i>	15	5%	G	2	G	In cedar row, minor deadwood	M	R
1742	<i>Thuja occidentalis</i>	15	5%	G	2	G	In cedar row, minor deadwood	M	R
1743	<i>Thuja occidentalis</i>	19	5%	F-G	2%	G	In cedar row, minor deadwood	M	R
1744	<i>Thuja occidentalis</i>	16	7	G	3	G	At corner of rows	M	R
1745	<i>Thuja occidentalis</i>	7	3	F	2	F-G	At corner of rows	M	R
1746	<i>Juglans nigra</i>	22	9	G	7	G		H	R
1747	<i>Thuja occidentalis</i>	8	5	F	2	F-G	In corner	M	P
1748	<i>Juglans nigra</i>	22	8	G	5%	G		H	P
1749	<i>Picea pungens</i>	41	10	F-G	7%	G	Stubs, deadwood, pruned	M	R
1750	<i>Picea pungens</i>	32	9	F-G	7	G	Stubs, deadwood, pruned	M	R
1751	<i>Picea pungens 'Glauca'</i>	35	10	F-G	8	G	Stubs, deadwood, pruned	M	R
1752	<i>Quercus rubra</i>	33	12	G	10	G	Minor deadwood, hangers	H	R
1753	<i>Acer platanoides 'Schwedleri'</i>	32	13	G	10	G	Bolt damage (minor)	M	R
1754	<i>Acer platanoides 'Schwedleri'</i>	22	6%	G	7	G	Frost crack	M	R
1755	<i>Acer platanoides 'Crimson King'</i>	27	8	G	7	G		M	R
1756	<i>Acer platanoides 'Crimson King'</i>	37	8%	G	8	G		M	R
1757	<i>Acer saccharum</i>	41	9	G	9	VG		H	R
1758	<i>Acer saccharum</i>	50	9	G	9	VG	Cedar hedge adjacent to west	H	R
1759	<i>Acer platanoides 'Schwedleri'</i>	50	11	G	10	G	Cedar hedge adjacent to west	M	R
1760	<i>Picea pungens 'Glauca'</i>	33	8	G	6%	G	Minor deadwood stubs	H	R
1761	<i>Acer platanoides 'Crimson King'</i>	39	10	G	8	G		M	P
1765	<i>Acer negundo</i>	39	9	F	8	F	Blue dotted, Town Tree, deadwood	L	P
1786	<i>Acer saccharinum</i>	66	18	G	14	F-G	Co-dominant at 1.5 metres	M	R
1787	<i>Acer saccharinum</i>	46/29/54	19	F-G	12	F-G	Prior stem cut, 3 stem	M	R
1788	<i>Acer negundo</i>	23/25/30	13	F	10	F	Minor deadwood, 3 stem	L	R
1789	<i>Acer negundo</i>	22/28x2	8	P-F	7	P	Deadwood, shoots, 3 stem	L	R
1790	<i>Acer negundo</i>	50	10	F	9	F	Shoots, stubs, limbs sheared off	L	R
1791	<i>Picea glauca</i>	35	13	G	6%	G	South end of row, pruned, minor deadwood	H	P
1792	<i>Morus alba</i>	13	6%	F-G	5%	F	Leans south	M	R
1793	<i>Acer negundo</i>	17/11x2/13	7	P-F	8	P-F	Clump, deadwood, shoots, hangers, clump	L	R
1794	<i>Acer negundo</i>	13/4x2	5%	F	3%	P-F	At chain link fence, privet adjacent, clump	L	R
1795	<i>Picea abies</i>	32	14	G	6	G	East end of cedar row	H	R
1796	<i>Picea pungens 'Glauca'</i>	10	3	G	2	VG	Opposite west end of cedar row	H	R
1797	<i>Acer palmatum</i>	7/5	3%	G	2	VG	Minor deadwood, transplant potential, 2 stem	H	R
1798	<i>Picea pungens 'Glauca'</i>	9	2%	G	2	VG	East end of row	H	R
1799	<i>Picea glauca</i>	49	15	F-G	6	G	Deadwood, stubs, lower limbs pruned	H	R
1800	<i>Morus alba</i>	15	5	G	5	F	At wooden fence	L	R
1708A	<i>Acer platanoides</i>	12	8	G	6	G	1 metre off property line at chain link fence	H	P
1708B	<i>Pinus sylvestris</i>	25	9	F	5%	F	At chain link fence, decline, off property	H	P
1708C	<i>Pinus sylvestris</i>	30	9%	F-G	6	F-G	Decline, at chain link fence, off property	H	P
1708D	<i>Pinus sylvestris</i>	21	8	F	5	F	In decline, deadwood, stubs	H	P
1746A	<i>Gleditsia triacanthos var. inermis</i>	7x3	6	G	4	G	Off property behind wood/metal fence, 3 stem	H	P
1746B	<i>Gleditsia triacanthos var. inermis</i>	16	9	G	6	G	Off property behind wood/metal fence	H	P

2	PER NEW BASE PLAN/GENERAL REVISIONS	SS	JAN 23/20
1	ISSUED FOR CLIENT REVIEW	MW	SEP 10/19
No.		By	Date

Revisions

This drawing is not to be used for construction unless signed by the Landscape Architect.

Approved by:..... Date:.....

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Client **STYLUS DEVELOPMENTS**  
MARYLYN STREET AND OLD CHURCH ROAD  
CALEDON EAST

TOWN OF CALEDON

Title **DETAILS/TREE INVENTORY LIST**

Drawn	SS	Scale	AS SHOWN	Drwg File	2751-TP
Checked	MW/ML	Date	AUG 09, 2019	Drawing No.	
Approved	EJ	Project No.	19-2751		<b>TP-3</b>