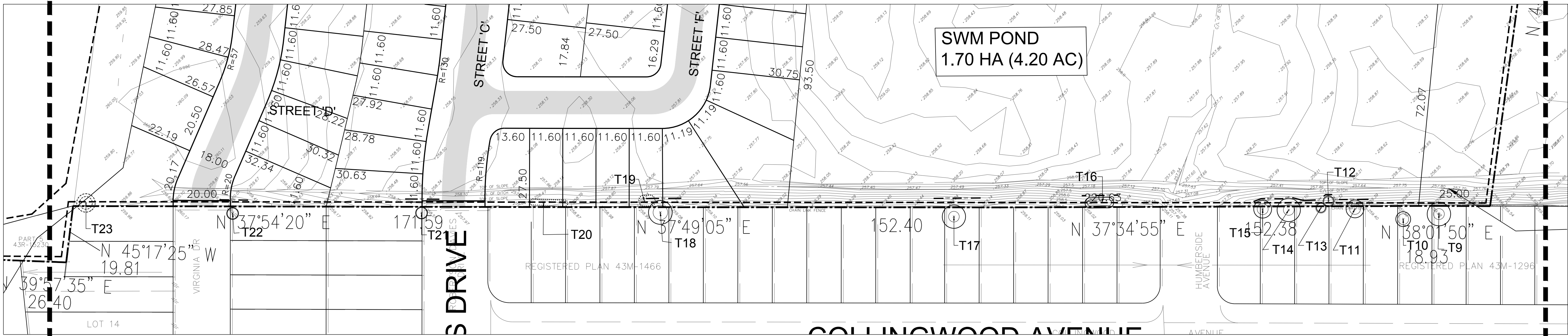
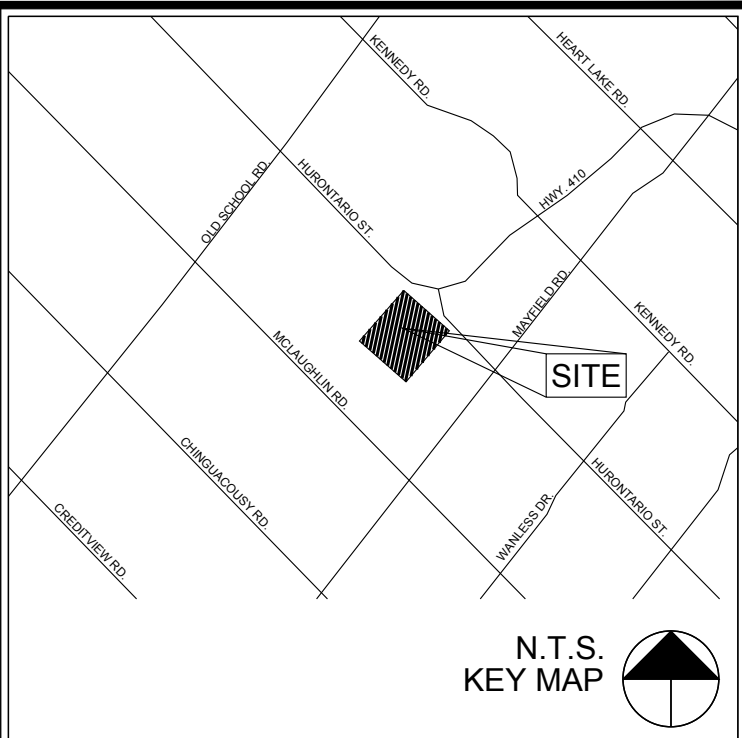



1 EAST BOUNDARY ENLARGEMENT  
TPP2 1:500



2 SOUTH BOUNDARY ENLARGEMENT  
TPP2 1:750



- LEGEND:
- EXISTING TREE  
ID NUMBER  
THICK CIRCLE DENOTES CROWN DIAMETER (ESTIMATED). THIN CIRCLE DENOTES MINIMUM TREE PROTECTION ZONE (MTPZ). SINGLE THICK CIRCLE DENOTES BOTH CROWN DIAMETER AND MTPZ
  - PRESERVE TREE  
TREE HAS MODERATE TO HIGH BIOLOGICAL HEALTH AND/OR STRUCTURAL CONDITION AND CAN BE INCORPORATED INTO THE PROPOSED DEVELOPMENT
  - REMOVE TREE  
TREE HAS LOW BIOLOGICAL HEALTH AND/OR STRUCTURAL CONDITION
  - REMOVE TREE  
TREE IS IN CONFLICT WITH PROPOSED DEVELOPMENT
  - REMOVE TREE  
TREE HAS LOW BIOLOGICAL HEALTH AND/OR STRUCTURAL CONDITION AND IS IN CONFLICT WITH PROPOSED DEVELOPMENT
  - REMOVE TREE  
TREE IS DEAD
  - PROPERTY LINE
  - TPF TREE PROTECTION FENCE
  - LIMIT OF TREE STUDY

 **Steven Aboud**  
ISA Certified Arborist, No: ON-0323A  
ISA Tree Risk Assessment Qualified

**INFORMATION SOURCES**

- BASE PLAN (DEVELOPMENT CONCEPT PLAN) DATED SEPTEMBER 12, 2017 PREPARED BY GLEN SCHNARR & ASSOCIATES.
- TREE INVENTORY CONDUCTED BY ABOUD & ASSOCIATES ON JUNE 14, 2017.

0	SUBMISSION TO TOWN	SA	10 JUL-17
No.	Description	By	Date

REVISIONS: All previous issues of this drawing are superceded

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**TREE INVENTORY AND PRESERVATION PLAN**

Project:  
**MAYFIELD WEST PHASE 2**  
TOWN OF CALEDON  
CALEDON 410 DEVELOPMENTS LTD.

Date: JULY 2017  
Project: AA17-093A  
Scale: AS SHOWN  
Designer: SA  
Drawn: NH  
Checked: SA

Drawing No: **TPP2**



APPENDIX 2. TREE DATA. MAYFIELD WEST PHASE 2  
TREES NOT TAGGED. EXPLANANTION OF DATA CATEGORIES PROVIDED IN APPENDIX 1. DATA COLLECTED JUNE 14, 2017

Tree Number* Trees not Tagged	Species	DBH (cm) (Diameter Measured at 1.3m Height (1.5m) (Round to Nearest 5mm))	Crown Reserve (Diameter, m)	MPZ (Radius, m)	Biological Condition	Structural Condition	Overall Condition	Ownership - Official Municipal (OM), Private (P), Shared (S)	Recommendation - Condition: Preserve, Remove	Recommendation - Preservation: Preserve, Remove	Recommendation - Final	Compensation	Comment	Reason for Removal (If applicable)
1	Acer saccharum Silver Maple	60	14	3.6	M	M	Fair	OM	P	P	P	0		
2	Acer saccharum ssp. saccharum	42	15	3.0	M	M	Fair	O	P	R	RD	0	Crown broken (moderate)	In conflict with proposed commercial area construction
3	Acer saccharum Silver Maple	38	10	2.4	M	M	Fair	O	P	R	RD	2	Crown broken (light)	In conflict with proposed commercial area construction
4	Acer negundo Manitoba Maple	28	7	1.8	MLJ	L	Poor	O	R	P	RC	0	Crown broken (heavy); Trunk decay (moderate)	In conflict with proposed commercial area construction and in poor condition
5	Picea abies Norway Spruce	34	7	2.4	L	L	Very Poor	O	R	R	RC	0	Crown dieback (heavy); 95% dead	In conflict with proposed commercial area construction and in poor condition
6	Acer saccharum Silver Maple	114	15	7.2	MLJ	MLJ	Poor	P	R	R	RCD	0	Crown dieback (heavy); deadwood (heavy)	In conflict with proposed commercial area construction and in poor condition
7*	Acer negundo Manitoba Maple	50	10	3.0	H(M)	L	Very Poor	P	R	P	RC	0	Group of 3 trees. Crown broken (heavy)	In conflict with proposed commercial area construction and in poor condition
8	Acer negundo Manitoba Maple	28	10	1.8	M	M	Fair	P	P	R	RD	2		In conflict with proposed commercial area construction
9	Gleditsia inaequalis	20	8	1.8	H(M)	H(M)	Good	O	P	P	P	0		
10	Acer saccharum ssp. saccharum	18	5	1.8	H(M)	H(M)	Good	O	P	P	P	0		
11	Gleditsia inaequalis	22	6	1.8	M	M	Good	O	P	P	P	0	Construction in MPZ. Root pruning recommended. See Notes	
12	Juniperus chinensis Chinese Juniper	18	3	1.8	H(M)	M	Good	P	P	P	P	0		May be in conflict with proposed storm water management pond. confirm at detailed design
13	Juniperus chinensis Chinese Juniper	15	3	1.8	H(M)	M	Fair	O	O	P	P	0	Construction in MPZ. Root pruning recommended. See Notes	
14	Prunus virginiana Shubert	15	8	1.8	H(M)	H(M)	Good	O	P	P	P	0	Construction in MPZ. Root pruning recommended. See Notes	
15	Acer saccharum Silver Maple	25	6	1.8	H	H(M)	Excellent	O	P	P	P	0	Construction in MPZ. Root pruning recommended. See Notes	
16*	Thuja occidentalis Eastern White Cedar	10	2	1.8	H	H(M)	Good	P	P	P	P	0	Group of 4 trees along fence	
17	Acer platanoides Norway Maple	15	8	1.8	H(M)	H(M)	Good	O	P	P	P	0	Construction in MPZ. Root pruning recommended. See Notes	
18	Quercus palustris Pin Oak	30	8	2.4	H	H	Excellent	O	P	P	P	0	Construction in MPZ. Root pruning recommended. See Notes	
19*	Picea glauca White Spruce	12	4	1.8	H	H	Excellent	P	P	R	RD	0	2 trees 2m apart	In conflict with proposed residential construction
20*	Thuja occidentalis Eastern White Cedar	5	2	1.2	H	M	Good	P	P	R	RD	0	Hedgehog of 30 trees	In conflict with proposed residential construction
21	Tilia cordata 'Chempsey'	12	4	1.8	H	M	Good	O	P	P	P	0	Front yard of existing house #68. Construction in MPZ. Root pruning recommended. See Notes	
22	Acer rubrum Franchet	10	4	1.8	H(M)	H(M)	Good	O	P	P	P	0	In front yard of existing house #68	
23	Acer negundo Manitoba Maple	45	4	3.0	M	L	Very Poor	P	R	P	RC	0	Crown broken (heavy); no other candidate trees in owner	In poor condition
24	Fraxinus pennsylvanica	15	5	1.8	M	M	Fair	P	P	P	P	0		
25*	Acer saccharum Silver Maple	22	6	1.8	H(M)	M	Fair	P	P	P	P	0	Group of 5 trees	
26*	Acer saccharum Silver Maple	20	6	1.8	H(M)	M	Fair	P	P	P	P	0	Group of 4 trees	
27*	Acer saccharum Silver Maple	20	6	1.8	H(M)	M	Fair	P	P	P	P	0	Group of 4 trees	
28	Carya ovata Shagbark Hickory	45	10	3.0	MLJ	MLJ	Fair	P	P	P	P	0	Crown dieback (moderate); crown sprouts (moderate)	
29	Quercus macrocarpa	90	16	5.4	L	L	Dead	P	R	P	RC	0		In poor condition
30	Carya ovata Shagbark Hickory	40	12	2.4	H(M)	H	Good	P	P	P	P	0		
31	Populus tremuloides	30 [22, 20]	6	1.8	H(M)	M	Fair	P	P	P	P	0		
32	Populus tremuloides	28 [22, 18]	6	1.8	H(M)	M	Fair	P	P	P	P	0		
33	Carya ovata Shagbark Hickory	42	10	3.0	H(M)	H(M)	Good	P	P	P	P	0		
34	Malus pumila Apple	30	8	2.4	H(M)	M	Fair	P	P	R	RD	2		
35	Carya ovata Shagbark Hickory	45	10	3.0	M	M	Fair	P	P	P	P	0	Crown broken (moderate); Crown dieback (light)	
36	Acer saccharum Silver Maple	65	12	5.4	M	MLJ	Fair	P	P	P	P	0	Crown dieback (moderate); Multi-branched node at 2m	
37	Fraxinus pennsylvanica	15	5	1.8	M	H(M)	Good	P	P	P	P	0		
38	Fraxinus pennsylvanica	19 [15, 12]	6	1.8	M	M	Fair	P	P	P	P	0		
39	Fraxinus pennsylvanica	18	4	1.8	M	L	Very Poor	P	R	P	RC	0	Crown broken (heavy)	In poor condition
40	Populus tremuloides	20	4	1.8	M	MLJ	Poor	P	R	P	RC	0	Crown broken (moderate)	In poor condition
41	Fraxinus pennsylvanica	18	6	1.8	M	L	Very Poor	P	R	P	RC	0	Crown broken (heavy)	In poor condition
42*	Crataegus sp. Hawthorn	5-10	4-8	1.8	H(M)	M	Good	P	R	R	RCD	0	Group of approx 50 trees. DBH and Crown Reserve are larger. Crown broken	In conflict with proposed residential construction and in poor condition
43	Acer saccharum ssp. saccharum	4	2	1.2	L	L	Dead	OM	R	P	RC	0	Crown broken (heavy)	In poor condition
44	Acer saccharum ssp. saccharum	4	2	1.2	MLJ	MLJ	Poor	OM	R	P	RC	0	Crown dieback (moderate); Removal of wire recommended	In poor condition
45	Acer saccharum 'Laciniatum'	5	2	1.2	MLJ	MLJ	Poor	OM	R	P	RC	0	Crown dieback (moderate); Removal of wire recommended	In poor condition
46	Acer saccharum 'Laciniatum'	5	2	1.2	MLJ	MLJ	Poor	OM	R	P	RC	0	Crown dieback (moderate); Removal of wire recommended	In poor condition
47	Acer saccharum 'Laciniatum'	4	2	1.2	MLJ	MLJ	Poor	OM	R	P	RC	0	Crown dieback (moderate); Removal of wire recommended	In poor condition
48	Acer saccharum ssp. saccharum	3	2	1.2	L	L	Dead	OM	R	P	RC	0		In poor condition
49	Acer saccharum 'Laciniatum'	4	2	1.2	L	L	Very Poor	OM	R	P	RC	0	Crown dieback (heavy);	In poor condition
50	Acer saccharum 'Laciniatum'	5	2	1.2	L	L	Very Poor	OM	R	P	RC	0	Crown dieback (heavy);	In poor condition
51	Acer saccharum 'Laciniatum'	5	2	1.2	L	L	Very Poor	OM	R	P	RC	0	Crown dieback (heavy);	In poor condition
52	Acer saccharum ssp. saccharum	4	2	1.2	L	L	Very Poor	OM	R	P	RC	0	Crown dieback (heavy);	In poor condition
53	Acer saccharum ssp. saccharum	4	2	1.2	L	L	Dead	OM	R	P	RC	0		In poor condition
54	Acer saccharum 'Laciniatum'	5	2	1.2	L	L	Very Poor	OM	R	P	RC	0	Crown dieback (heavy);	In poor condition
55	Acer saccharum ssp. saccharum	4	2	1.2	L	L	Dead	OM	R	P	RC	0		In poor condition
56	Acer saccharum 'Laciniatum'	5	2	1.2	MLJ	L	Poor	OM	R	P	RC	0	Crown dieback (moderate); Removal of wire recommended	In poor condition
57	Acer saccharum 'Laciniatum'	4	2	1.2	L	L	Very Poor	OM	R	P	RC	0	Crown dieback (heavy); Removal of wire recommended	In poor condition
58	Picea abies Norway Spruce	35	8	2.4	MLJ	MLJ	Poor	OM	R	P	RC	0	Crown thinning (moderate)	In poor condition
59	Pinus strobus Scots Pine	30	6	2.4	L	L	Dead	OM	R	P	RC	0		In poor condition
60	Picea abies Norway Spruce	35	8	2.4	MLJ	M	Fair	OM	P	P	P	0	Crown thinning (moderate)	
61	Picea abies Norway Spruce	38	8	2.4	MLJ	M	Fair	P	P	R	RD	2	Crown thinning (moderate)	In conflict with proposed commercial area construction
62	Picea abies Norway Spruce	45	8	3.0	MLJ	M	Fair	P	P	R	RD	2	Crown thinning (moderate)	In conflict with proposed commercial area construction
63	Pinus strobus Scots Pine	38	8	2.4	MLJ	M	Fair	P	P	R	RD	2	Crown thinning (moderate)	In conflict with proposed commercial area construction
64	Picea abies Norway Spruce	38	8	2.4	M	M	Fair	P	P	R	RD	2	Crown thinning (light)	In conflict with proposed commercial area construction
65	Picea abies Norway Spruce	35	6	2.4	M	M	Fair	P	P	R	RD	2	Crown thinning (light)	In conflict with proposed commercial area construction

Tree Number*	Species	DBH (cm) (Diameter Measured at 1.3m Height (1.5m) (Round to Nearest 5mm))	Crown Reserve (Diameter, m)	MPZ (Radius, m)	Biological Condition	Structural Condition	Overall Condition	Ownership - Official Municipal (OM), Private (P), Shared (S)	Recommendation - Condition: Preserve, Remove	Recommendation - Development: Preserve, Remove	Recommendation - Final	Compensation	Comment	Reason for Removal (if applicable)
66	Thuja occidentalis Eastern White Cedar	24	5	1.8	M	MLJ	Fair	P	P	R	RD	2		In conflict with proposed commercial area construction
67	Thuja occidentalis Eastern White Cedar	20	3	1.8	M	MLJ	Fair	P	P	R	RD	2	Crown broken (moderate)	In conflict with proposed commercial area construction
68	Picea abies Norway Spruce	48	10	3.0	M	M	Fair	P	P	R	RD	2	Crown thinning (light)	In conflict with proposed commercial area construction
69*	Acer negundo Manitoba Maple	15-30	5-10	2.40	M	M	Fair	P	P	R	RD	12	Tree group of 6 stems. DBH and Crown Reserve are ranges. Crown thinning (light)	In conflict with proposed commercial area construction
70	Picea abies Norway Spruce	35	8	2.4	H(M)	H(M)	Good	P	P	R	RD	2		In conflict with proposed commercial area construction
71	Picea glauca White Spruce	25	6	1.8	H(M)	M	Fair	P	P	R	RD	2		In conflict with proposed commercial area construction
72*	Acer negundo Manitoba Maple	15-40	5-10	2.4	M	MLJ	Fair	P	P	R	RD	10	Tree group of 5 stems. DBH and crown Reserve are ranges.	In conflict with proposed commercial area construction
73	Picea abies Norway Spruce	45	8	3.0	M	M	Fair	P	P	R	RD	2		In conflict with proposed commercial area construction
74	Picea abies Norway Spruce	45	8	3.0	M	M	Fair	P	P	R	RD	2		In conflict with proposed commercial area construction
75	Picea abies Norway Spruce	45	8	3.0	MLJ	MLJ	Poor	P	R	R	RCD	0	Crown thinning (moderate)	In conflict with proposed commercial area construction and in poor condition.
76	Acer negundo Manitoba Maple	38	8	2.4	MLJ	L	Poor	P	R	R	RCD	0	Trunk lean (heavy)	In conflict with proposed commercial area construction and in poor condition.
77	Acer negundo Manitoba Maple	35	8	2.4	MLJ	L	Poor	P	R	R	RCD	0	Trunk lean (heavy)	In conflict with proposed commercial area construction and in poor condition.
78	Acer negundo Manitoba Maple	30	5	2.4	MLJ	L	Poor	P	R	R	RCD	0	Trunk lean (heavy)	In conflict with proposed commercial area construction and in poor condition.
79	Picea abies Norway Spruce	45	8	3.0	L	L	Dead	P	R	R	RCD	0		In conflict with proposed commercial area construction and in poor condition.
80	Acer negundo Manitoba Maple	55	10	3.6	M	MLJ	Poor	P	R	R	RCD	0	Trunk lean (heavy)	In conflict with proposed commercial area construction and in poor condition.
81	Acer negundo Manitoba Maple	28	6	1.8	M	L	Poor	P	R	R	RCD	0	Trunk lean (heavy)	In conflict with proposed commercial area construction and in poor condition.
82	Picea abies Norway Spruce	55	10	3.6	M	H(M)	Good	P	P	R	RD	2		In conflict with proposed commercial area construction.
83	Picea abies Norway Spruce	30	6	2.4	M	M	Fair	P	P	R	RD	2		In conflict with proposed commercial area construction.
84	Picea abies Norway Spruce	24	6	1.8	MLJ	M	Poor	P	R	R	RCD	0		In conflict with proposed commercial area construction and in poor condition.
85	Picea abies Norway Spruce	45	8	3.0	M	M	Fair	P	P	R	RD	2		In conflict with proposed commercial area construction.
86	Picea abies Norway Spruce	30	6	2.4	MLJ	M	Poor	P	R	R	RCD	0		In conflict with proposed commercial area construction and in poor condition.
87	Picea abies Norway Spruce	25	6	1.8	MLJ	M	Poor	P	R	R	RCD	0		In conflict with proposed commercial area construction and in poor condition.
88	Acer negundo Manitoba Maple	50 [45, 38]	12	3.6	M	MLJ	Fair	P	P	R	RD	2		In conflict with proposed commercial area construction.
89	Picea abies Norway Spruce	48	6	2.4	MLJ	M	Poor	P	R	R	RCD	0	Crown thinning (moderate)	In conflict with proposed commercial area construction and in poor condition.
90	Picea abies Norway Spruce	48	8	3.0	MLJ	M	Poor	P	R	R	RCD	0	Crown thinning (moderate)	In conflict with proposed commercial area construction and in poor condition.
91	Picea abies Norway Spruce	25	8	1.8	MLJ	M	Poor	P	R	R	RCD	0	Crown thinning (moderate)	In conflict with proposed commercial area construction and in poor condition.
92	Picea abies Norway Spruce	35	8	2.4	MLJ	M	Poor	P	R	R	RCD	0	Crown thinning (moderate)	In conflict with proposed commercial area construction and in poor condition.
93	Picea abies Norway Spruce	35	8	2.4	MLJ	M	Poor	P	R	R	RCD	0	Crown thinning (moderate)	In conflict with proposed commercial area construction and in poor condition.
94	Picea abies Norway Spruce	45	10	3.0	MLJ	M	Poor	P	R	R	RCD	0	Crown thinning (moderate)	In conflict with proposed commercial area construction and in poor condition.
95*	Acer negundo Manitoba Maple	15-30	5-10	2.4	M	MLJ	Fair	P	P	R	RCD	10	Group of 5 trees. DBH and crown Reserve are ranges. Crown thinning (moderate)	In conflict with proposed commercial area construction and in poor condition.
96	Acer negundo Manitoba Maple	55 [35, 30, 30]	12	3.6	M	MLJ	Poor	P	R	R	RCD	0	Trunk lean (heavy)	In conflict with proposed commercial area construction and in poor condition.
97	Picea abies Norway Spruce	45	8	3.0	M	M	Fair	P	P	R	RD	2	Crown thinning (light)	In conflict with proposed commercial area construction.
98	Picea abies Norway Spruce	32	6	2.4	M	MLJ	Fair	P	P	R	RD	2	Crown thinning (light); trunk lean (moderate)	In conflict with proposed commercial area construction.
99	Picea abies Norway Spruce	50	10	3.0	M	M	Fair	P	P	R	RD	2	Crown thinning (light)	In conflict with proposed commercial area construction.
100	Picea abies Norway Spruce	32	6	2.4	L	MLJ	Very Poor	P	R	R	RCD	0	Crown thinning (heavy)	In conflict with proposed commercial area construction and in poor condition.
101	Picea abies Norway Spruce	35	6	2.4	M	M	Fair	P	P	R	RD	2	Crown thinning (light)	In conflict with proposed commercial area construction.
102	Picea abies Norway Spruce	35	6	2.4	L	L	Dead	P	R	R	RCD	0		In conflict with proposed commercial area construction and in poor condition.
103	Picea abies Norway Spruce	35	6	2.4	L	L	Dead	P	R	R	RCD	0		In conflict with proposed commercial area construction and in poor condition.
104	Picea abies Norway Spruce	40	6	2.4	MLJ	MLJ	Poor	P	R	R	RCD	0	Crown thinning (heavy)	In conflict with proposed commercial area construction and in poor condition.
105	Picea abies Norway Spruce	35	6	2.4	L	L	Dead	P	R	R	RCD	0		In conflict with proposed commercial area construction and in poor condition.
106	Picea abies Norway Spruce	30	4	2.4	L	L	Dead	P	R	R	RCD	0		In conflict with proposed commercial area construction and in poor condition.
107	Picea abies Norway Spruce	35	6	2.4	L	L	Dead	P	R	R	RCD	0		In conflict with proposed commercial area construction and in poor condition.
108	Acer saccharum Silver Maple	90	10	5.4	M	L	Poor	P	R	R	RCD	0	Crown broken (heavy)	In conflict with proposed commercial area construction and in poor condition.
109	Fraxinus pennsylvanica	35	8	2.4	L	L	Dead	P	R	R	RCD	0		In conflict with proposed commercial area construction and in poor condition.
110	Acer saccharum Silver Maple	45	8	3.0	MLJ	L	Poor	P	R	R	RCD	0	Trunk decay (moderate); Crown broken (moderate)	In conflict with proposed commercial area construction and in poor condition.
111	Acer saccharum Silver Maple	60	12	3.6	H(M)	M	Fair	P	P	R	RD	2	Crown broken (light); Crown decay (light)	In conflict with proposed commercial area construction.
OWNERSHIP:														
								Crete (P)	78					
								Offsite - Private (S)	14					
								Offsite - Municipal (OM)	19					
								Shared (S)	0					
Tree Ownership Total								111						
PRESERVATION BASED ON CONDITION:														
								Preserve (P)	57					
								Remove (R)	54					
Tree Preservation - Condition Total								111						
PRESERVATION BASED ON DEVELOPMENT:														
								Preserve (P)	51					
								Remove (R)	60					
Tree Preservation - Development Total								111						
PRESERVATION FINAL:														
								Preserve (P)	27					
								Remove Due to Condition (RC)	24					
								Remove Due to Development (RD)	29					
								Remove Due to Conflict AND Development (RCD)	31					
Tree Preservation - Final Total								111						
TREE COMPENSATION:														
Compensation Total								82						



1. ALL ARBORICULTURAL WORK PERFORMED ON TREES SUCH AS PRUNING OF BRANCHES AND ROOTS SHALL BE CONDUCTED BY AN ISA CERTIFIED ARBORIST.
2. PRUNE AND MITIGATE LIMBS AND ROOTS DAMAGED BY CONSTRUCTION WORK IN ACCORDANCE WITH ANSI A300 (PART 1) - 2008 PRUNING AND THE BEST MANAGEMENT PRACTICES COMPANION PUBLICATION (REVISED 2008).
3. TREE PROTECTION FENCE TO BE ERECTED PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION OR GRADING, AND MAINTAINED THROUGHOUT THE DURATION OF THE WORK.
4. TREE PROTECTION ZONE IS DELIMITED BY TREE PROTECTION FENCE SHOWN ON THE DRAWINGS.
5. NO CONSTRUCTION OR ACTIVITIES INCLUDING THE FOLLOWING TO OCCUR WITHIN TREE PROTECTION ZONE: EXCAVATION, EQUIPMENT PARKING OR ACCESS, STORAGE OF SUPPLIES, TOPSOIL OR FILL, AND REFUELING.
6. TREE REMOVALS (IF REQUIRED) WILL BE UNDERTAKEN IN COMPLIANCE WITH THE MIGRATORY BIRDS CONVENTION ACT. EFFORTS WILL BE MADE TO REMOVE VEGETATION OUTSIDE THE GENERAL NESTING PERIOD (APRIL 1 - AUG 31) FOR REGIONS C1 AND C2 OF ONTARIO. IN THE EVENT VEGETATION MUST BE REMOVED WITHIN THE GENERAL NESTING PERIOD, A QUALIFIED AVIAN BIOLOGIST IS TO REVIEW THE SITE PRIOR TO REMOVAL TO ENSURE COMPLIANCE WITH THE MIGRATORY BIRDS CONVENTION ACT.
7. ANY SOILS AND VEGETATION WITHIN TREE PROTECTION ZONE DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO THE SATISFACTION OF THE MUNICIPALITY BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

1. AN ISA CERTIFIED ARBORIST MUST BE PRESENT ON SITE DURING CONSTRUCTION ACTIVITIES WITHIN MTPZ TO CONFIRM AND/OR MODIFY MITIGATION MEASURES FOR TREES TO BE PRESERVED.
2. USE TRENCHLESS METHODS (E.G. HORIZONTAL DIRECTIONAL DRILLING) TO INSTALL UNDERGROUND SERVICES (E.G. SANITARY SEWERS AND WATER LINES) WITHIN MINIMUM TREE PROTECTION ZONES.

WHERE ACCESS WITHIN/IMMEDIATELY ADJACENT THE MTPZ CANNOT BE AVOIDED (E.G. UNDERGROUND SERVICE CONNECTION), A PIT FOR WORKER ACCESS MAY BE CONSTRUCTED WITHIN THE MTPZ AS PER THE FOLLOWING INSTRUCTIONS.

1. EXCAVATE SOIL USING AIR-SPADE OR HYDRO-VAC OR ACCEPTED ALTERNATIVE (E.G. HAND DIG) TO AVOID/MINIMIZE DAMAGE TO ROOTS.
2. IMMEDIATELY FOLLOWING CONSTRUCTION, TOPSOIL IS TO BE REPLACED WITHIN THE EXCAVATED PIT THROUGHOUT THE ROOT ZONE. THE DEPTH OF TOPSOIL WILL BE AT LEAST 600MM BELOW THE SOIL SURFACE SO AS TO COVER ALL ROOTS.
3. A QUALIFIED TREE PROFESSIONAL (E.G. ISA CERTIFIED ARBORIST) MUST BE PRESENT TO ASSESS THE CONSTRUCTION PROCESS, THE CONDITION OF ROOTS DURING EXCAVATION, AND PROVIDE GUIDANCE TO PREVENT PRUNING OR DAMAGE TO THE TREE.
4. ROOTS OVER 8CM DIAMETER MUST BE ASSESSED BY AN ISA CERTIFIED ARBORIST PRIOR TO PRUNING, THE RESULTS OF WHICH MAY NECESSITATE RELOCATION OF CONSTRUCTION ACTIVITIES OR TREE REMOVAL.
5. DO NOT LEAVE TREE ROOTS EXPOSED FOR MORE THAN SIX (6 HOURS). WHERE ROOTS MUST BE LEFT EXPOSED LONGER AND TO PREVENT DRYING, SEE *EXPOSED ROOT PROTECTION*.

1. EXISTING SANITARY/STORM SEWERS AND WATERMAINS TO BE DISCONTINUED WITHIN TREE PROTECTION ZONES WILL BE FILLED (AS NEEDED) AND ABANDONED.
2. EXCAVATION AND ACCESS FOR CONSTRUCTION/REMOVAL OF ABANDONED UNDERGROUND SERVICES WILL BE CONDUCTED OUTSIDE OF TREE PROTECTION ZONES.

1. AN ISA CERTIFIED ARBORIST MUST BE PRESENT ON SITE DURING CONSTRUCTION ACTIVITIES WITHIN TREE PROTECTION ZONES (E.G. WITHIN 1.5 METRES OF OUTER EDGE OF TRUNKS) TO CONFIRM AND/OR MODIFY ANY OF THE MITIGATION MEASURES FOR TREES TO BE PRESERVED.
2. PRUNING OF BRANCHES/LIMBS/ROOTS SHALL BE IN ACCORDANCE WITH ANSI A300 (PART 1)-2008 PRUNING AND THE BEST MANAGEMENT PRACTICES COMPANION PUBLICATION (REVISED 2008).
3. EXCAVATE POST HOLES USING AIR-SPADE OR HYDRO-VAC TECHNOLOGY.
4. CROWN REDUCTION USING SHARP TOOLS.
5. ROOTS OVER 8CM IN DIAMETER MUST BE ASSESSED BY AN ISA CERTIFIED ARBORIST PRIOR TO PRUNING AND MAY REQUIRE RELOCATION OF PROPOSED CONSTRUCTION.
6. DO NOT LEAVE TREE ROOTS EXPOSED FOR MORE THAN SIX (6 HOURS). WHERE ROOTS MUST BE LEFT EXPOSED LONGER AND TO PREVENT DRYING, SEE *EXPOSED ROOT PROTECTION*.

WHERE NEW SIDEWALKS OR DRIVEWAYS ARE CONSTRUCTED WITHIN TREE PROTECTION ZONES, OR WHERE SIDEWALK REPLACEMENT CONSTRUCTION WITHIN TREE PROTECTION ZONES WILL REQUIRE EXCAVATION, OR WHERE ROOTS ARE FOUND OR LIKELY TO BE FOUND WITHIN THE EXCAVATION AREA, THE FOLLOWING STEPS ARE REQUIRED.

1. EXCAVATE BASE USING AIR-SPADE OR HYDRO-VAC TECHNOLOGY TO DEPTH REQUIRED FOR CONSTRUCTION ACTIVITIES TO PROVIDE DEPTH REQUIRED FOR BASE INSTALLATION.
2. PRUNE ROOTS AS PER *GENERAL TREE NOTES*.
3. BACKFILL USING CU-STRUCTURAL SOIL BASE WITHIN EXPOSED ROOTS TO DEPTH REQUIRED AS BASE.
4. COMPACT BASE TO SPECIFICATIONS AS REQUIRED BY PROJECT ENGINEER.
5. INSTALL SURFACE TREATMENT (E.G. CONCRETE, ASPHALT OR PAVERS). INSTALL GEOTEXTILE OVER CU-STRUCTURAL SOIL WHERE PAVERS ARE USED.

WHERE FINISH GRADING OF CUTS AND FILLS, AND INCLUDING SWALES OCCURS WITHIN TREE PROTECTION ZONES, THE FOLLOWING STEPS ARE REQUIRED.

1. EXCAVATE BY HAND OR AIR-SPADE TECHNOLOGY TO A MAXIMUM DEPTH OF 100MM.
2. ROOTS ENCOUNTERED ARE TO BE ASSESSED BY THE PROJECT ARBORIST TO DETERMINE THE EXTENT OF ROOTS TO BE PRUNED. BASED ON FINDINGS, OTHER TREATMENTS MAY BE REQUIRED (E.G. CROWN REDUCTION, TREE REMOVAL), AND WHICH MAY REQUIRE APPROVAL FROM THE CITY.
3. BASED ON ROOT FINDINGS, LOCAL, MINOR ADJUSTMENTS TO GRADING WITHIN THE TREE PROTECTION ZONE MAY BE REQUIRED BASED ON FIELD CONSULTATION BETWEEN THE PROJECT ARBORIST AND PROJECT ENGINEER.
4. NO ACCESS BY HEAVY EQUIPMENT INTO TREE PROTECTION ZONE IS PERMITTED. FINE GRADING TO BE CARRIED OUT USING LIGHT EQUIPMENT AND/OR BY HAND.

5. ADD TOPSOIL TO MEET GRADE REQUIREMENTS TO A MAXIMUM OF 150MM.
6. NO TOPSOIL TO BE ADDED ONTO TRUNK BASE OR ABOVE-GROUND SECTION OF TRUNK BASE FLARE.
7. MAINTAIN POSITIVE DRAINAGE AWAY FROM TRUNK BASE.
8. BASED ON LOCAL CONDITIONS (E.G. SURFACE DRAINAGE), LOCAL, MINOR ADJUSTMENTS TO GRADING WITHIN THE TREE PROTECTION ZONE MAY BE REQUIRED BASED ON FIELD CONSULTATION BETWEEN THE PROJECT ARBORIST AND PROJECT ENGINEER.

1. TREES OWNED BY OTHERS REQUIRE PERMISSION (I.E. WRITTEN CONSENT) FROM THE LAND OWNER(S) PRIOR TO ACTIVITIES THAT MAY DAMAGE OR DESTROY TREES. TREES OWNED BY OTHERS ARE OFFSITE TREES AND SHARED TREES:

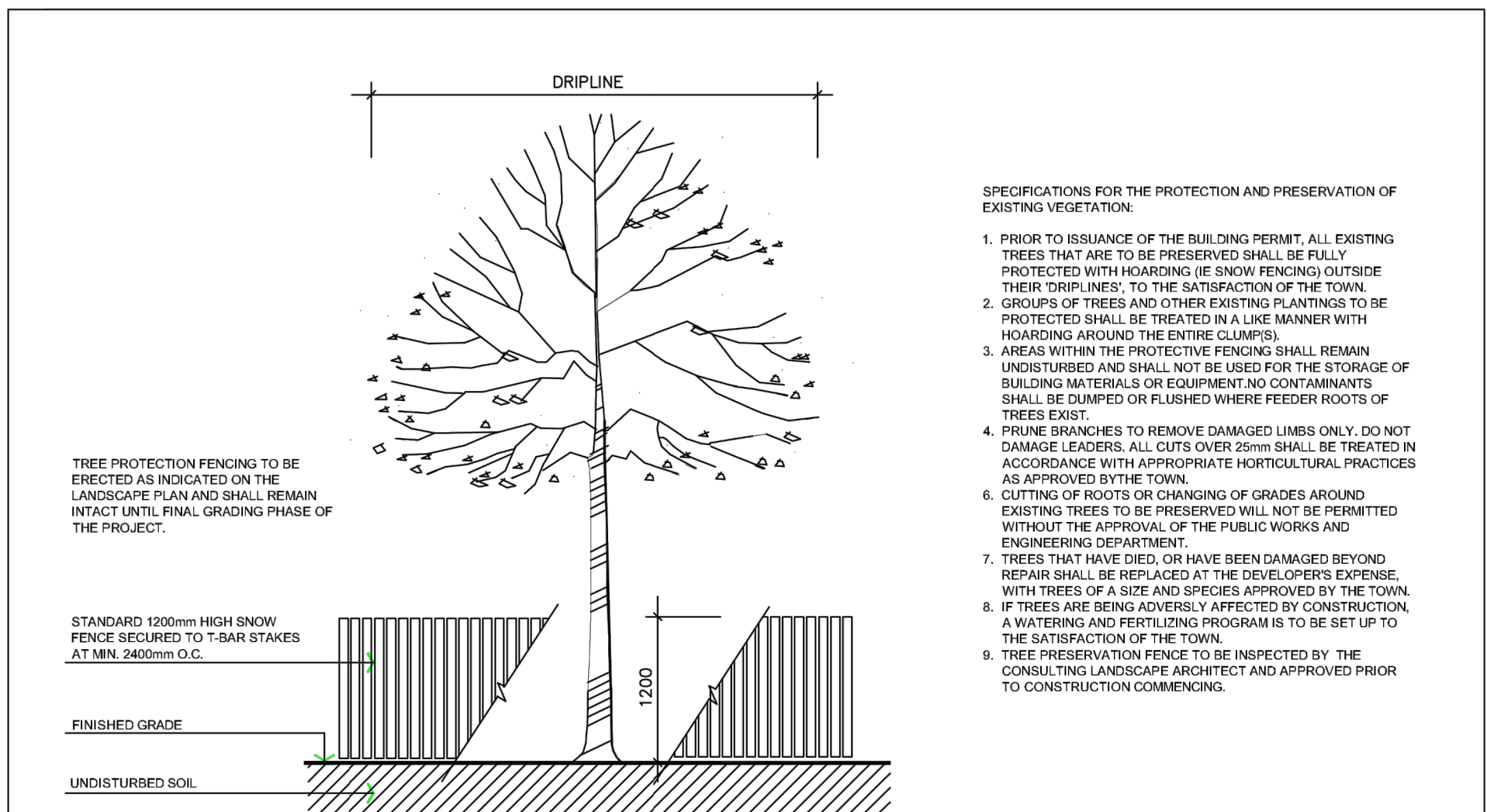
- a. OFFSITE TREES - TREES ON PROPERTY ADJACENT TO THE SUBJECT PROPERTY;
- b. SHARED (BOUNDARY) TREES - TREES WHOSE TRUNK INCLUDING THE BASAL TRUNK FLARE GROWING ON THE BOUNDARY BETWEEN THE SUBJECT PROPERTY AND ADJOINING PROPERTY (FROM *ONTARIO FORESTRY ACT*).

10. (2) EVERY TREE WHOSE TRUNK IS GROWING ON THE BOUNDARY BETWEEN ADJOINING LANDS IS THE COMMON PROPERTY OF THE OWNERS OF THE ADJOINING LANDS. 1990, C. 18 SCHED. I, S. 21.

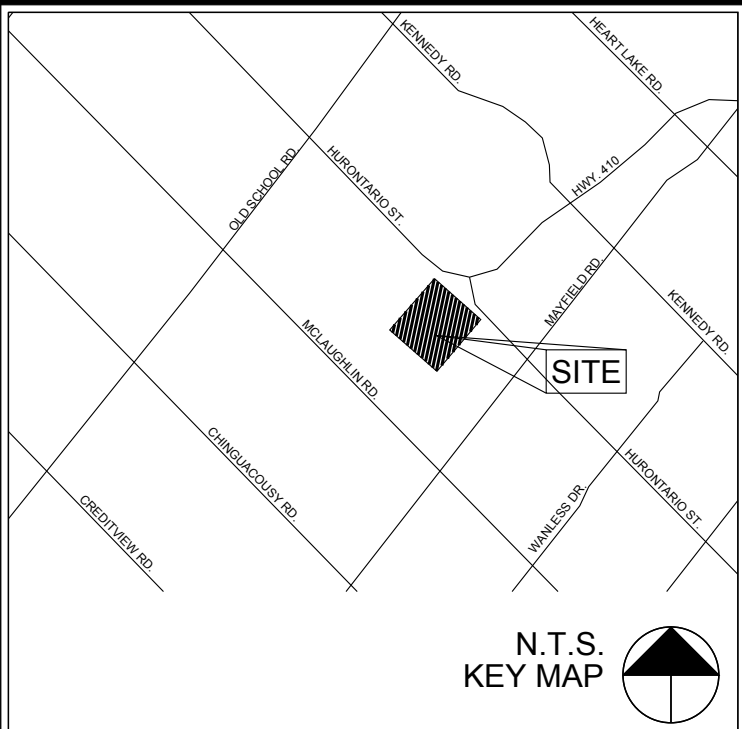
(3) EVERY PERSON WHO INJURES OR DESTROYS A TREE GROWING ON THE BOUNDARY BETWEEN ADJOINING LANDS WITHOUT THE CONSENT OF THE LAND OWNERS IS GUILTY OF AN OFFENCE UNDER THIS ACT. 1998, C. 18, SCHED. I, S. 21.

DO NOT LEAVE TREE ROOTS EXPOSED FOR MORE THAN SIX (6 HOURS), WHERE ROOTS MUST BE LEFT EXPOSED LONGER AND TO PREVENT DRYING, IMPLEMENT THE FOLLOWING MEASURES.

1. PLACE TOPSOIL TO 150MM DEPTH OVER EXPOSED ROOTS AND SOAK UNTIL WATER PENETRATES 150MM INTO SOIL;
2. APPLY LIGHT-COLOURED, BREATHABLE TARPULIN OVER TOPSOIL AND PRUNED ROOTS;  
-OR-  
APPLY LIGHT-COLOURED, BREATHABLE TARPULIN OVER SIX, WET LAYERS OF BURLAP OVER PRUNED ROOTS;
3. MAINTAIN TARPULIN, TOPSOIL/BURLAP AND MOIST CONDITIONS IN PLACE UNTIL BACKFILLING COMPLETED.



TOWN OF CALEDON					APRD: C.C.	DATE: JUNE 08
TREE PRESERVATION	2	STANDARD No. 1135 NOW 707, NOTES EDIT		JUNE 08	DRAWN: abal	SCALE: NTS
	1	NOTE NO. 8 ADDED		MARCH 08	STANDARD No. 707	
	NO.	REVISION	APRD	DATE		



LEGEND:



Steven Aboud

**Steven Aboud**  
ISA Certified Arborist, No: ON-0323A  
ISA Tree Risk Assessment Qualified

1. BASE PLAN (DEVELOPMENT CONCEPT PLAN)  
DATED SEPTEMBER 12, 2017 PREPARED BY GLEN  
SCHNARR & ASSOCIATES.
2. TREE INVENTORY CONDUCTED BY ABOUD &  
ASSOCIATES ON JUNE 14, 2017.

0	SUBMISSION TO TOWN	SA	10 JUL-17
No.	Description	By	Date

REVISIONS: All previous issues of this drawing are superceded



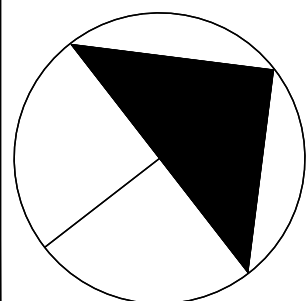
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Title: \_\_\_\_\_

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Project: \_\_\_\_\_

**MAYFIELD WEST PHASE 2**  
TOWN OF CALEDON  
CALEDON 410 DEVELOPMENTS LTD.



Drawing No:

Date: JULY 2017

Project: AA17-093A

Scale: N/A

Designer: SA

Drawn: NH

Checked: S

# TPP4