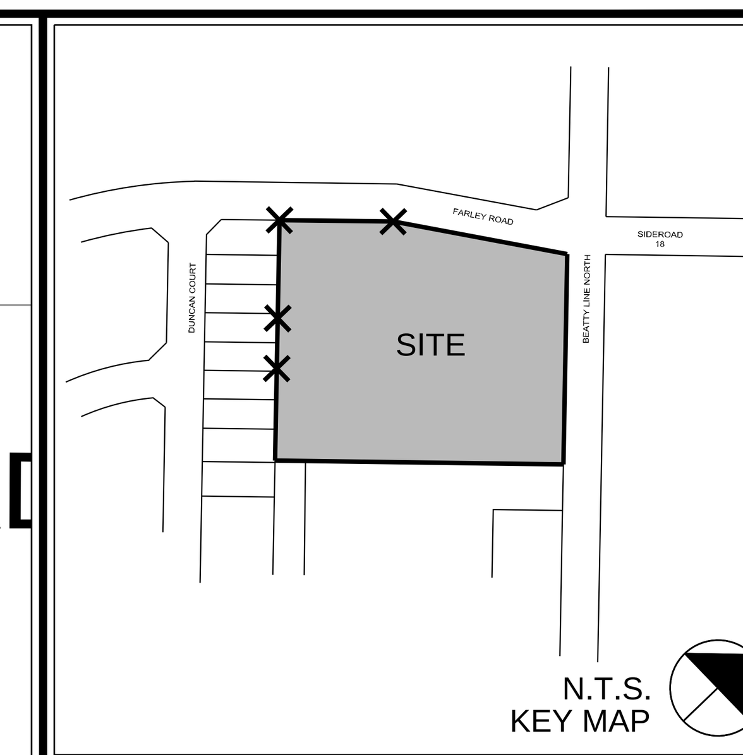


LEGEND:

- EXISTING TREE — ID NUMBER / CIRCLE ILLUSTRATES APPROXIMATE CROWN RESERVE
- 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
- CONIFEROUS TREE PLANTATION
- TPF — TREE PROTECTION FENCE

INFORMATION SOURCES

1. Site Plan dated August 19, 2019 obtained from Astrid J. Clos Planning Consultants. T:519.846.2201.
2. Topographic Survey dated March 5, 2018 by Van Harten Surveying Inc. T:519.669.5070
3. Tree information collected by Aboud & Associates Inc. on May 31 and June 1, 2018 T:519.822.6839

No.	Description	By	Date
1	Rezoning Application	JD	27 AUG-19
0	Rezoning Application	MGN	03 JUL-18

REVISIONS: All previous issues of this drawing are superceded

ABOUD & ASSOCIATES INC.
Consulting Arborists • Ecologists • Landscape Architects
190 Nicklin Road . Guelph . Ontario . N1H 7L5 . 519.822.6839 . www.aboudtng.com

Title:

TREE PRESERVATION PLAN

Project:

6552-6558 BEATTY LINE

TOWNSHIP OF CENTRE WELLINGTON (FERGUS)
JENNARK HOMES

Date: JUNE 2018	Designer: JD/MGN/EE
Project: AA18-030A	Drawn: MGN/EE
Scale: 1:300	Checked: JD

Drawing No:

TPP1

Tree No. (not tagged)	Tree Species	DBH (cm)	Minimum Tree Protection Zone (m, from outer edge of trunk)	Crown Diameter est. (m)	Crown Class	Condition	Constraint to Development	Ownership: Private (P), Offsite (O), Municipal (M), Shared (S)	Rec. Action - Condition: Preserve, Remove	Rec. Action - Development: Preserve, Remove	Final Recommendation: Preserve, Remove	Compensation Required: Yes (Y), No (N)	Comments
1	Betula papyrifera Paper Birch	22	2.4	3	Dominant	Poor	L	P	R	R	RCD	N	
2	Acer saccharum ssp. saccharum Sugar Maple	69	4.2	12	Co-Dominant	Good	M	P	P	R	RD	Y	
3	Acer saccharum ssp. saccharum Sugar Maple	66	4.2	12	Intermediate	Poor	L	P	R	R	RCD	N	Crown dieback (severe); Deadwood (severe)
4	Acer saccharum ssp. saccharum Sugar Maple	74	4.8	14	Dominant	Good	H	P	P	R	RD	Y	
5	Acer saccharum ssp. saccharum Sugar Maple	50[20,27, 37]	3.0	10	Intermediate	Fair	M	P	P	R	RD	Y	Crown dieback (moderate)
6	Acer saccharinum Silver Maple	78	4.8	16	Intermediate	Good	M(H)	P	P	R	RD	Y	Dbh taken just below codominant stems
7	Acer platanoides Norway Maple	57	3.6	12	Co-Dominant	Good	M(H)	P	P	R	RD	Y	
8	Acer platanoides Norway Maple	56	3.6	10	Co-Dominant	Good	M(H)	P	P	R	RD	Y	
9	Acer saccharum ssp. saccharum Sugar Maple	65	4.2	14	Co-Dominant	Fair	M(H)	P	P	R	RD	Y	Included bark (moderate)
10	Acer saccharum ssp. saccharum Sugar Maple	30	2.4	10	Suppressed	Good	M	P	P	R	RD	Y	Deadwood (minor)
11	Acer saccharinum Silver Maple	57	3.6	10	Intermediate	Fair	M(L)	P	P	R	RD	Y	Codominant stems with included bark (severe)
12	Acer saccharum ssp. saccharum Sugar Maple	89	5.4	12	Co-Dominant	Good	M(H)	P	P	R	RD	Y	Deadwood (minor)
13	Acer saccharum ssp. saccharum Sugar Maple	81	5.4	15	Co-Dominant	Fair	M	P	P	R	RD	Y	
14	Acer saccharinum Silver Maple	22	2.4	8	Intermediate	Fair	M	P	P	R	RD	Y	Bow (m)
15	Acer saccharinum Silver Maple	48[30,31, 22]	3.0	10	Co-Dominant	Fair	M	P	P	R	RD	Y	
16	Acer platanoides Norway Maple	44	3.0	10	Intermediate	Good	M	P	P	R	RD	Y	
17	Fraxinus americana White Ash	76[51,57]	4.8	14	Co-Dominant	Poor	L	P	R	R	RCD	N	EAB signs (minor); decay at union
18	Fraxinus americana White Ash	73[48,55]	4.8	12	Co-Dominant	Fair	L	P	P	P	P	N	EAB symptoms (moderate)
19	Quercus alba White Oak	32	2.4	10	Intermediate	Fair	M	P	P	R	RD	Y	
20	Picea pungens 'Glauca' Colorado Blue Spruce	20	2.4	4	Co-Dominant	Good	M(L)	P	P	P	P	N	
21	Acer platanoides Norway Maple	19	1.8	6	Co-Dominant	Good	M(L)	P	P	P	P	N	
22	Acer negundo Manitoba Maple	17	1.8	6	Co-Dominant	Fair	L	P	P	P	P	N	
23	Thuja occidentalis Eastern White Cedar	39[18,18,18, 20,12]	2.4	4	Co-Dominant	Fair	M(L)	P	P	P	P	N	Deadwood (moderate); Past pruning issues (severe)
24	Thuja occidentalis Eastern White Cedar	29	2.4	3	Intermediate	Fair	M(L)	P	P	P	P	N	
25	Thuja occidentalis Eastern White Cedar	20[15,13]	2.4	2	Suppressed	Fair	M(L)	P	P	P	P	N	
26	Thuja occidentalis Eastern White Cedar	41[25,15,18, 16,15]	3.0	4	Intermediate	Fair	M(L)	P	P	P	P	N	
27	Thuja occidentalis Eastern White Cedar	46[27,35, 12]	3.0	3	Intermediate	Fair	M(L)	P	P	P	P	N	Past pruning issues (severe)
28	Malus pumila Apple	42[21,32,18]	3.0	8	Dominant	Poor	L	P	R	R	RCD	N	Cavities and decay (severe)
29	Picea glauca White Spruce	40	2.4	6	Dominant	Fair	M(L)	P	P	R	RD	Y	Crown dieback (moderate)
30	Betula papyrifera Paper Birch	37	2.4	10	Co-Dominant	Fair	M(L)	P	P	R	RD	Y	Sw m
31	Betula papyrifera Paper Birch	33	2.4	10	Co-Dominant	Fair	M	P	P	R	RD	Y	
32	Acer platanoides Norway Maple	35	2.4	8	Co-Dominant	Fair	M	P	P	P	P	N	
33	Thuja occidentalis Eastern White Cedar	35[12,15,11, 27]	2.4	5	Intermediate	Fair	M	P	P	P	P	N	
34	Thuja occidentalis Eastern White Cedar	37[28,12,12,1 5,10]	2.4	4	Intermediate	Fair	M	P	P	P	P	N	1 dead tree ~18cm in here
35	Fraxinus pennsylvanica Green Ash	15	1.8	8	Intermediate	Fair	L	P	P	P	P	N	Bow (moderate)
36	Acer negundo Manitoba Maple	20	2.4	5	Intermediate	Fair	M(L)	P	P	P	P	N	
37	Acer platanoides Norway Maple	13[10,8]	1.8	4	Dominant	Fair	M(L)	P	P	R	RD	Y	Twisted and fused stems
38	Acer platanoides Norway Maple	17	1.8	3	Dominant	Fair	M(L)	P	P	R	RD	Y	
39	Acer platanoides Norway Maple	25	2.4	8	Dominant	Fair	M	P	P	R	RD	Y	Fluxing (minor); Carpenter ants (moderate)
40	Acer platanoides Norway Maple	23	2.4	8	Co-Dominant	Good	M	P	P	R	RD	Y	
41	Acer platanoides Norway Maple	10	1.8	3	Co-Dominant	Good	M	P	P	R	RD	Y	
42	Acer platanoides Norway Maple	12	1.8	4	Dominant	Good	M	P	P	R	RD	Y	
43	Acer saccharinum Silver Maple	65[26,28, 24,34,33]	4.2	12	Co-Dominant	Fair	M	P	P	R	RD	Y	Stems codominant (severe); Included bark (moderate)
44	Acer saccharinum Silver Maple	50[23,23,19, 26,19]	3.0	10	Intermediate	Fair	M	P	P	R	RD	Y	Included bark (minor)
45	Acer saccharinum Silver Maple	55[17,27,31, 32]	3.6	14	Co-Dominant	Fair	M	P	P	R	RD	Y	Included bark (moderate)
46	Acer saccharinum Silver Maple	23[5,9,13, 16]	2.4	10	Intermediate	Fair	M(L)	P	P	R	RD	Y	
47	Acer saccharinum Silver Maple	79[23,31,33, 44,42]	4.8	12	Intermediate	Fair	M	P	P	R	RD	Y	Stems codominant (severe)
48	Acer platanoides Norway Maple	39[25,16, 25]	2.4	7	Co-Dominant	Fair	L	P	P	R	RD	Y	Crown dieback (minor); Trunk decay (minor)
49	Acer platanoides Norway Maple	36[13,22,22,1 1,8]	2.4	10	Intermediate	Fair	M(L)	P	P	R	RD	Y	Included bark (moderate)
50	Acer saccharum ssp. saccharum Sugar Maple	28	2.4	9	Co-Dominant	Good	M(H)	P	P	R	RD	Y	
51	Acer platanoides 'Crimson King' Crimson King Maple	44	3.0	10	Intermediate	Good	M	O	P	P	P	N	
52	Acer platanoides Norway Maple	48	3.0	11	Intermediate	Fair	M	O	P	P	P	N	Diameter just below codominant stems
53	Picea pungens 'Glauca' Colorado Blue Spruce	32	2.4	8	Dominant	Fair	M	P	P	R	RD	Y	
54	Picea glauca White Spruce	44	3.0	8	Dominant	Good	M(H)	P	P	R	RD	Y	
55	Picea glauca White Spruce	51	3.6	8	Co-Dominant	Good	M(H)	P	P	R	RD	Y	
56	Picea glauca White Spruce	51	3.6	8	Co-Dominant	Good	M(H)	P	P	R	RD	Y	
57	Acer platanoides Norway Maple	28	2.4	9	Co-Dominant	Good	M	P	P	R	RD	Y	
58	Acer platanoides Norway Maple	22	2.4	5	Co-Dominant	Fair	L	P	P	R	RD	Y	Twisted fused stems
59	Quercus alba White Oak	37	2.4	10	Intermediate	Fair	M	P	P	R	RD	Y	
60	Quercus alba White Oak	43	3.0	12	Co-Dominant	Fair	M	P	P	R	RD	Y	
61	Quercus alba White Oak	50[42,27]	3.0	14	Suppressed	Fair	M(L)	P	P	R	RD	Y	
62	Picea glauca White Spruce	14	1.8	3	Co-Dominant	Good	M	P	P	R	RD	Y	
63	Malus sp. Apple species	16	1.8	3	Co-Dominant	Fair	M(L)	P	P	R	RD	Y	
64	Picea glauca White Spruce	29	2.4	8	Co-Dominant	Good	M(H)	P	P	R	RD	Y	

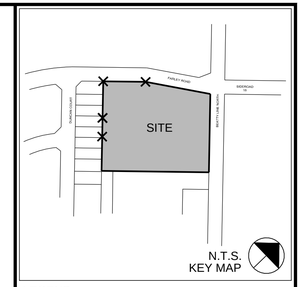
Tree No. (not tagged)	Tree Species	DBH (cm)	Minimum Tree Protection Zone (m, from outer edge of trunk)	Crown Diameter est. (m)	Crown Class	Condition	Constraint to Development	Ownership: Private (P), Offsite (O), Municipal (M), Shared (S)	Rec. Action - Condition: Preserve, Remove	Rec. Action - Development: Preserve, Remove	Final Recommendation: Preserve, Remove	Compensation Required: Yes (Y), No (N)	Comments
65	Tilia americana Basswood	18[14,12]	1.8	4	Intermediate	Fair	M(L)	P	P	R	RD	Y	
66	Tilia americana Basswood	10	1.8	1	Suppressed	Fair	L	P	P	R	RD	Y	
67	Picea abies Norway Spruce	13	1.8	3	Co-Dominant	Good	M	O	P	P	P	N	
68	Picea pungens 'Glauca' Colorado Blue Spruce	15	1.8	3	Co-Dominant	Good	M	O	P	P	P	N	
69	Fraxinus americana White Ash	35	2.4	8	Intermediate	Fair	M(L)	O	P	P	P	N	Stems codominant (minor); Crown dieback (minor)
70	Pinus strobus Eastern White Pine	18	1.8	2	Intermediate	Fair	M	S	P	P	P	N	
71	Picea abies Norway Spruce	26	2.4	2	Suppressed	Fair	M	O	P	P	P	N	
72	Pinus strobus Eastern White Pine	38	2.4	4	Suppressed	Fair	M	O	P	P	P	N	
73	Picea abies Norway Spruce	27	2.4	4	Intermediate	Fair	M	O	P	P	P	N	
74	Pinus strobus Eastern White Pine	26	2.4	2	Suppressed	Fair	M	O	P	P	P	N	
75	Pinus strobus Eastern White Pine	21	2.4	3	Suppressed	Fair	M	S	P	R	RD	Y	
76	Pinus strobus Eastern White Pine	18	1.8	2	Suppressed	Fair	M	S	P	R	RD	Y	
77	Pinus strobus Eastern White Pine	34	2.4	4	Intermediate	Fair	M	P	P	R	RD	Y	
78	Pinus strobus Eastern White Pine	28	2.4	2	Intermediate	Fair	M	P	P	R	RD	Y	
79	Acer platanoides Norway Maple	21[11,12,13]	2.4	6	Co-Dominant	Fair	M	P	P	R	RD	Y	
80	Juglans nigra Black Walnut	36[26,19,16]	2.4	8	Co-Dominant	Fair	M	P	P	R	RD	Y	Included bark (severe)
81	Juglans nigra Black Walnut	22[16,15]	2.4	8	Co-Dominant	Fair	M	P	P	R	RD	Y	
82	Acer platanoides Norway Maple	13	1.8	4	Intermediate	Good	M	P	P	R	RD	Y	
83	Pyrus sp. Pear	13	1.8	3	Dominant	Fair	M	P	P	R	RD	Y	Trunk lean (moderate)
84	Fraxinus pennsylvanica Green Ash	52[42,31]	3.6	14	Co-Dominant	Poor	L	P	R	R	RCD	N	EAB symptoms (severe); third leader dead and leaning
85	Malus sp. Apple species	24[14,12,15]	2.4	6	Intermediate	Fair	M(L)	P	P	R	RD	Y	
86	Acer negundo Manitoba Maple	11	1.8	4	Suppressed	Fair	M(L)	P	P	R	RD	Y	
87	Acer negundo Manitoba Maple	12[10,6]	1.8	3	Intermediate	Poor	L	P	R	R	RCD	N	
88	Acer negundo Manitoba Maple	29[20,19,10]	2.4	6	Intermediate	Fair	M(L)	P	P	R	RD	Y	
89	Fraxinus pennsylvanica Green Ash	44	3.0	12	Co-Dominant	Poor	L	P	R	R	RCD	N	Crown dieback (minor)
90	Fraxinus americana White Ash	29	2.4	10	Suppressed	Poor	L	P	R	R	RCD	N	Trunk wound (severe); EAB symptoms (moderate)
91	Fraxinus americana White Ash	62[47,41]	4.2	12	Intermediate	Fair	L	P	P	R	RD	Y	Deadwood (moderate); EAB symptoms (moderate)
92	Fraxinus americana White Ash	31	2.4	4	Suppressed	Dead	L	P	R	R	RCD	N	Dead
93	Fraxinus americana White Ash	29[15,25]	2.4	8	Suppressed	Fair	L	P	P	R	RD	Y	
94	Fraxinus americana White Ash	40	2.4	12	Intermediate	Poor	L	P	R	R	RCD	N	Crown dieback (moderate); sweep with decay (severe)
95	Fraxinus americana White Ash	59[44,40]	3.6	12	Intermediate	Fair	L	P	P	R	RD	Y	Crown dieback (moderate); Included bark (severe)
96	Fraxinus americana White Ash	52	3.6	10	Intermediate	Poor	L	P	R	R	RCD	N	EAB suspected; Crown dieback (moderate)
97	Picea abies Norway Spruce	35	2.4	6	Intermediate	Good	M	P	P	R	RD	Y	
98	Pinus sylvestris Scots Pine	23	2.4	6	Intermediate	Fair	M	P	P	R	RD	Y	
99	Picea abies Norway Spruce	41	3.0	8	Co-Dominant	Good	M	P	P	R	RD	Y	
100	Acer platanoides Norway Maple	11	1.8	2	Dominant	Poor	L	P	R	R	RCD	N	
101	Malus sp. Apple species	10	1.8	3	Co-Dominant	Fair	M(L)	P	P	R	RD	Y	
102	Malus sp. Apple species	14	1.8	3	Intermediate	Fair	M(L)	P	P	R	RD	Y	
103	Acer saccharum ssp. saccharum Sugar Maple	30	2.4	8	Co-Dominant	Good	M(H)	P	P	R	RD	Y	
104	Acer saccharum ssp. saccharum Sugar Maple	90	5.4	14	Co-Dominant	Fair	M	P	P	R	RD	Y	Deadwood (moderate)
105	Acer saccharum ssp. saccharum Sugar Maple	37	2.4	9	Co-Dominant	Good	M(H)	P	P	R	RD	Y	
106	Pinus strobus Eastern White Pine	10	1.8	2	Dominant	Good	M(H)	P	P	R	RD	Y	
107	Picea abies Norway Spruce	14	1.8	2	Intermediate	Good	M	P	P	R	RD	Y	
108	Picea abies Norway Spruce	18[12,13]	1.8	2	Intermediate	Fair	M	P	P	R	RD	Y	
109	Picea glauca White Spruce	11	1.8	2	Intermediate	Good	M	P	P	R	RD	Y	
110	Picea pungens 'Glauca' Colorado Blue Spruce	13	1.8	3	Intermediate	Good	M	P	P	R	RD	Y	
111	Picea pungens 'Glauca' Colorado Blue Spruce	10	1.8	2	Suppressed	Good	M	P	P	R	RD	Y	
112	Picea pungens 'Glauca' Colorado Blue Spruce	11	1.8	2	Intermediate	Good	M	P	P	R	RD	Y	
113	Picea pungens 'Glauca' Colorado Blue Spruce	12	1.8	2	Intermediate	Good	M	P	P	R	RD	Y	
114	Picea pungens 'Glauca' Colorado Blue Spruce	12	1.8	2	Intermediate	Good	M	P	P	R	RD	Y	
115	Picea abies Norway Spruce	14	1.8	3	Co-Dominant	Good	M	P	P	R	RD	Y	
116	Picea pungens 'Glauca' Colorado Blue Spruce	12	1.8	3	Intermediate	Good	M	P	P	R	RD	Y	
117	Juglans nigra Black Walnut	14	1.8	4	Co-Dominant	Good	M	P	P	R	RD	Y	
118	Acer platanoides Norway Maple	46	3.0	12	Co-Dominant	Good	M	P	P	R	RD	Y	Deadwood (minor)
119	Acer negundo Manitoba Maple	39[17,17,17, 18,18]	2.4	8	Intermediate	Fair	M(L)	P	P	R	RD	Y	Trunk wound (moderate)
120	Morus alba White Mulberry	29[16,14,12, 11,10]	2.4	5	Suppressed	Poor	L	P	R	R	RCD	N	
121	Picea glauca White Spruce	23	2.4	4	Intermediate	Good	M(H)	P	P	R	RD	Y	
122	Picea abies Norway Spruce	30	2.4	4	Co-Dominant	Good	M	P	P	R	RD	Y	
123	Pinus sylvestris Scots Pine	50	3.0	8	Dominant	Poor	L	P	R	R	RCD	N	
124	Picea pungens 'Glauca' Colorado Blue Spruce	22	2.4	3	Intermediate	Good	M	P	P	R	RD	Y	
125	Picea pungens 'Glauca' Colorado Blue Spruce	20	2.4	3	Co-Dominant	Good	M	P	P	R	RD	Y	Sweep (moderate)
126	Pinus strobus Eastern White Pine	34	2.4	8	Co-Dominant	Good	M(H)	P	P	R	RD	Y	
127	Pinus strobus Eastern White Pine	11	1.8	2	Suppressed	Good	M(H)	P	P	R	RD	Y	
128	Acer platanoides Norway Maple	26	2.4	6	Intermediate	Poor	M(L)	P	R	R	RCD	N	Trunk wound (severe)

Tree No. (not tagged)	Tree Species	DBH (cm)	Minimum Tree Protection Zone (m, from outer edge of trunk)	Crown Diameter est. (m)	Crown Class	Condition	Constraint to Development	Ownership: Private (P), Offsite (O), Municipal (M), Shared (S)	Rec. Action - Condition: Preserve, Remove	Rec. Action - Development: Preserve, Remove	Final Recommendation: Preserve, Remove	Compensation Required: Yes (Y), No (N)	Comments
129	Pinus sylvestris Scots Pine	19	1.8	4	Co-Dominant	Good	M	P	P	R	RD	Y	
130	Pinus sylvestris Scots Pine	23[16,16]	2.4	4	Intermediate	Fair	M(L)	P	P	R	RD	Y	
131	Pinus sylvestris Scots Pine	14	1.8	3	Co-Dominant	Good	M	P	P	R	RD	Y	
132	Pinus sylvestris Scots Pine	12	1.8	2	Co-Dominant	Good	M	S	P	R	RD	Y	
133	Pinus sylvestris Scots Pine	20	2.4	3	Intermediate	Good	M	P	P	R	RD	Y	
134	Picea pungens 'Glauca' Colorado Blue Spruce	16[14,8]	1.8	3	Co-Dominant	Good	M	S	P	R	RD	Y	
135	Pinus sylvestris Scots Pine	19	1.8	3	Suppressed	Fair	M	P	P	R	RD	Y	
136	Picea abies Norway Spruce	14	1.8	3	Intermediate	Good	M	S	P	R	RD	Y	
137	Pinus sylvestris Scots Pine	17	1.8	2	Suppressed	Good	M	P	P	R	RD	Y	
138	Picea glauca White Spruce	12	1.8	3	Intermediate	Good	M(H)	P	P	R	RD	Y	
139	Picea pungens 'Glauca' Colorado Blue Spruce	12	1.8	2	Co-Dominant	Good	M	P	P	R	RD	Y	
140	Picea abies Norway Spruce	34	2.4	6	Co-Dominant	Good	M	P	P	R	RD	Y	
141	Pinus sylvestris Scots Pine	22	2.4	4	Co-Dominant	Good	M(L)	S	P	R	RD	Y	
142	Pinus nigra Austrian Pine	14	1.8	5	Co-Dominant	Good	M(L)	P	P	R	RD	Y	
143	Picea glauca White Spruce	16	1.8	3	Co-Dominant	Good	M(H)	P	P	R	RD	Y	
144	Abies concolor White Fir	29	2.4	3	Co-Dominant	Good	M(H)	P	P	R	RD	Y	
145	Picea glauca White Spruce	12	1.8	4	Co-Dominant	Good	M	P	P	R	RD	Y	
146	Thuja occidentalis Eastern White Cedar	12	1.8	4	Suppressed	Good	M(L)	P	P	R	RD	Y	
147	Thuja occidentalis Eastern White Cedar	14[11,8]	1.8	1	Suppressed	Good	M(L)	P	P	R	RD	Y	
148	Thuja occidentalis Eastern White Cedar	11	1.8	2	Suppressed	Good	M(L)	P	P	R	RD	Y	
149	Thuja occidentalis Eastern White Cedar	13	1.8	3	Suppressed	Good	M(L)	P	P	R	RD	Y	
150	Picea abies Norway Spruce	26	2.4	5	Co-Dominant	Good	M	P	P	R	RD	Y	
151	Thuja occidentalis Eastern White Cedar	13[10,9]	1.8	2	Suppressed	Good	M(L)	P	P	R	RD	Y	
152	Picea glauca White Spruce	36	2.4	6	Intermediate	Good	M(H)	P	P	R	RD	Y	
153	Picea abies Norway Spruce	32	2.4	6	Intermediate	Good	M(L)	P	P	R	RD	Y	
154	Picea glauca White Spruce	25	2.4	4	Intermediate	Good	M	P	P	R	RD	Y	
155	Picea abies Norway Spruce	26	2.4	5	Co-Dominant	Good	M	P	P	R	RD	Y	
156	Picea glauca White Spruce	24	2.4	5	Intermediate	Good	M(H)	P	P	R	RD	Y	
157	Picea abies Norway Spruce	28[20,20]	2.4	6	Co-Dominant	Fair	M	P	P	R	RD	Y	
158	Picea pungens 'Glauca' Colorado Blue Spruce	17	1.8	4	Intermediate	Good	M	P	P	R	RD	Y	
159	Pinus strobus Eastern White Pine	25	2.4	4	Co-Dominant	Good	M	P	P	R	RD	Y	
160	Fagus sylvatica European Beech	16	1.8	6	Co-Dominant	Good	M	P	P	R	RD	Y	

Ownership:			
Private (On Site) Trees	144		
Private (Off Site) Trees	9		
Municipal Trees	0		
Shared Trees	7		
Total	**160**		
Recommendation Based on Condition:			
Preserve Tree Based on Health & Structure	145		
Remove Tree Based on Health & Structure	15		
Total	**160**		
Recommendation Based on Development:			
Preserve/Transplant Tree Based on Development Impacts	25		
Remove Tree Based on Development Impacts	135		
Total	**160**		
Final Recommendation:			
Final Recommendation: Preserve (P)	25		
Final Recommendation: Remove due to Condition (RC)	0		
Final Recommendation: Remove due to Development (RD)	120		
Final Recommendation: Remove due to Condition & Development (RCD)	15		
Total	**160**		
Trees Requiring Compensation:			Total Compensation Trees (2:1)
Compensation Required: Yes (Y)		120	240
Compensation Required: No (N)		40	
Total		**160**	

Plantation Tally Data

	Species	
Size Class	Pinus strobus Eastern White Pine	Picea glauca White Spruce
10-20cm	5	30
21-30cm	43	32
31-40cm	12	2
Subtotals	60	64
Total		**124**
Compensation required		*248*



LEGEND:

No.	Description	By	Date
1	Rezoning Application	JD	27 AUG-19
0	Rezoning Application	MGN	03 JUL-18

REVISIONS: All previous issues of this drawing are superceded

ABOUD & ASSOCIATES INC.
Consulting Arborists • Ecologists • Landscape Architects
190 Nicklin Road , Guelph , Ontario , N1H 7L5 , 519.822.6839 , www.aboudtng.com

Title:

TREE PRESERVATION DETAILS

Project:

6552-6558 BEATTY LINE
TOWNSHIP OF CENTRE WELLINGTON (FERGUS)
JENNARK HOMES

Date: JUNE 2018	Designer: JD/MGN/EE
Project: AA18-030A	Drawn: MGN/EE
Scale: 1:300	Checked: JD

Drawing No:

TPP2

TREE PRESERVATION NOTES

1. All dimensions are in metres.
2. Tree removals 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.
3. Contractor shall verify all conditions in the field and report any discrepancies to the Project Arborist prior to commencement of work.
4. All utilities not necessarily shown on this plan, Aboud & Associates assumes no responsibility for the accuracy of any utilities on this plan.
5. Erect tree protection fence prior to the commencement of any construction or grading, maintain tree protection barrier throughout entire duration of the work.
6. Project Arborist to notify Municipality for tree protection fence inspection prior to commencement of construction or grading work.
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.
8. 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).
9. Final action for offsite trees recommended for preservation or removal to be determined by individual landowners subject to the approval of the Municipality.

SHARED TREE REMOVAL CONSENT

In addition to the municipal by-laws, it is required by law in the province of Ontario to obtain the consent of any boundary tree owned prior to injuring or removing that tree. Paragraph 10 of the Foresry Act, R.S.O. 1990, c. F.26 states that:

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. 1998, 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.

TREE INVENTORY AND ASSESSMENT TABLE SUMMARY

DBH (cm): Diameter at breast height, 1.4 m above ground, measured in centimeters.
Numbers in square brackets [xx, xx, ...] denotes the DBH's of each stem of tree with multiple stems.

Crown Diameter (meters): Diameter of tree canopy estimated in meters.
Minimum Tree Protection Zone (MTPZ): The minimum setback required to maintain the structural integrity of the tree's anchor roots, based on generally accepted arboricultural principles. If trees are protected to the TPZ then the tree's anchor root structure is expected to be maintained. Protection zone distances from Township of Centre Wellington's Draft Public Forest Policy (October 2017).

Crown Class: Related to relative stature of tree and canopy exposure
Dominant - Emergent canopy (receives full sunlight)
Co-dominant - Not fully emergent (top of canopy receiving sunlight)
Intermediate - Sub-canopy tree (receiving partial sunlight)
Suppressed - Completely overtopped (receiving very limited sunlight)

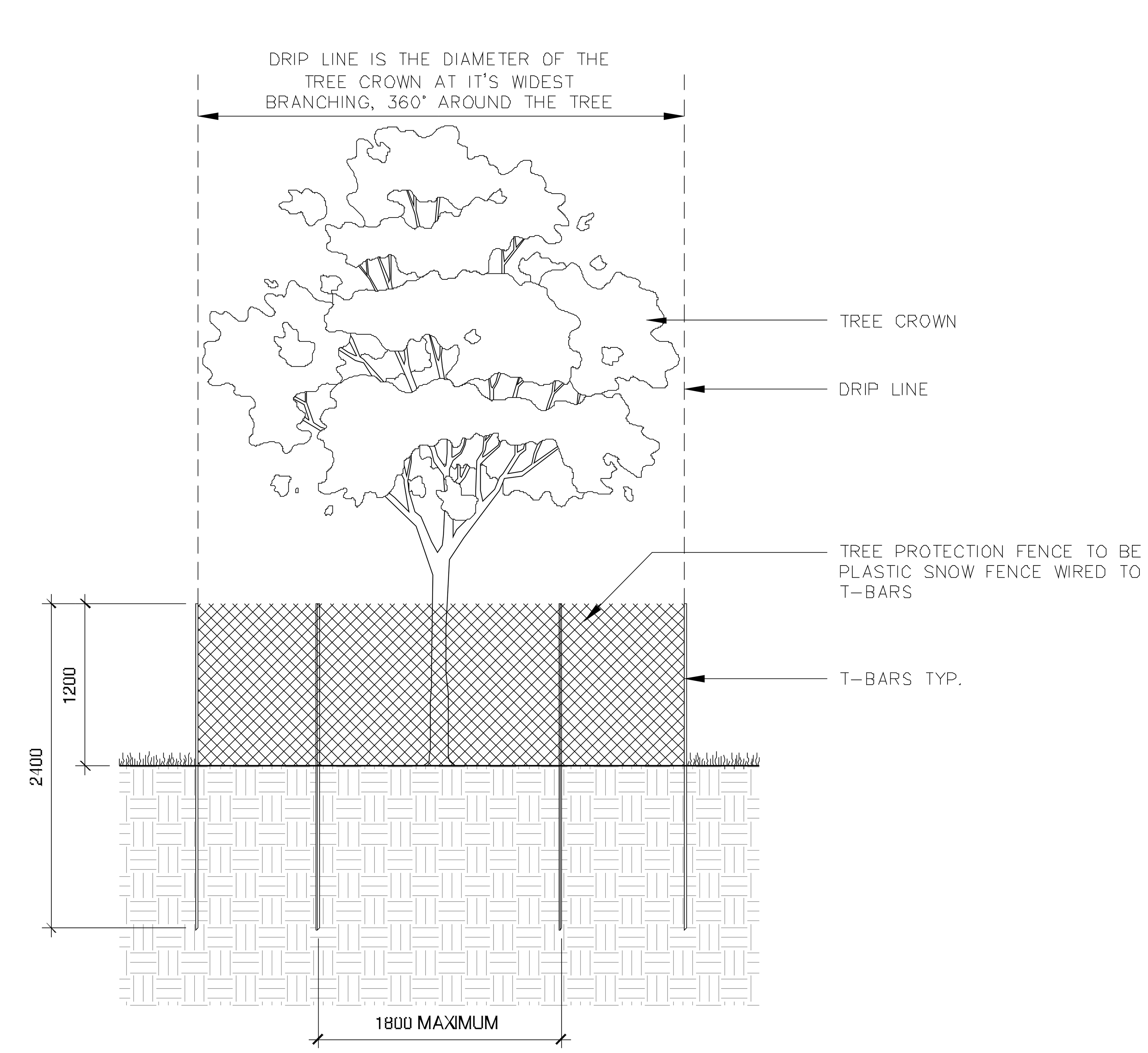
Overall Condition: Related to defects in a tree's structure, (i.e., lean, co-dominant trunks).
E (Excellent) - Balanced, full crown; limbs and branches well-spaced; moderate to high vigour. No structural defects; biologically healthy with no diseases / disease symptoms; no crown dieback
G (Good) - Full crown with small, incomplete sections; limbs and branches mostly well-spaced; moderate vigour. Presence of very minor structural defects and/or very minor diseases / disease symptoms; very minor dieback (<10%)
F (Fair) - Crown not full or with large incomplete sections; some limbs and branches missing and/or not well spaced; moderate to poor vigour. Presence of minor structural defects and/or minor diseases / disease symptoms; moderate dieback (10-30%)
P (Poor) - Crown severely unbalanced or with very reduced (<30%) live crown; many limbs and branches missing; severely poor vigour. Presence of major structural defects and/or presence of major diseases / disease symptoms; severe dieback (>30%)
D (Dead) - No leaves or no buds, fine branchlets/twigs missing or dried out and brittle, bark peeling off, limbs or branches fallen off, decay present and may be extensive

Constraint to Development: Related to the provenance, condition, size and fecundity of a tree. Trees with more ecologically beneficial traits should be prioritized for preservation, and should be considered a constraint to the development.
H (High) - Native tree, in "Good" or better Overall Condition that is large and has produced viable offspring.
M (Moderate) - Native tree in "Fair" Overall Condition that is of moderate size and may produced viable offspring, or small, vigorous native tree, or large, non-native tree in "Good" or better Overall Condition.
L (Low) - Any tree that is small (i.e., < 10 cm DBH) and in "Fair" or worse Overall Condition.

Ownership:
Private (On-site) Tree: Tree trunk located completely within the boundary of the subject property.
Off-site Tree: Tree trunk located on private property completely outside of the property boundary of the subject property.
Municipal Tree: Tree is located on the property of the municipality/region, e.g., within Right-of-Way.
Shared Tree: Tree located on property boundary of the subject property and adjacent private or public property.

Recommended Action: A recommendation of the following three categories is assigned to preserve or remove a tree:
i) The tree's current biological health and structural condition
ii) The anticipated impacts from proposed development
iii) The summary of the previous two categories. Note: Only trees having a recommendation of preserve for both health and structure, and impacts from the proposed development are assigned a final recommendation of preserve.
P (Preserve) - Tree typically has a Biological Health rating of Moderate Low or higher AND a Structural Condition rating of Moderate Low or higher, AND is likely to survive impact from the proposed development (if present). The tree is likely to survive for at least 5 to 10 years.
R (Remove) - Tree typically has a Biological Health rating of Low, AND/OR a Structural Condition rating of Low, AND/OR will not survive the proposed development impacts (if present). The tree is not likely to survive more than 3 to 5 years.
T (Transplant) - The following conditions must be met for a tree to be transplantable as determined by the Project Arborist: 1) tree is of a size, condition and type suitable for transplant, 2) adequate equipment access, 3) recipient planting site available, 4) seasonality and weather conditions are suitable, 5) commitment to provide on-going post-transplant care and maintenance.

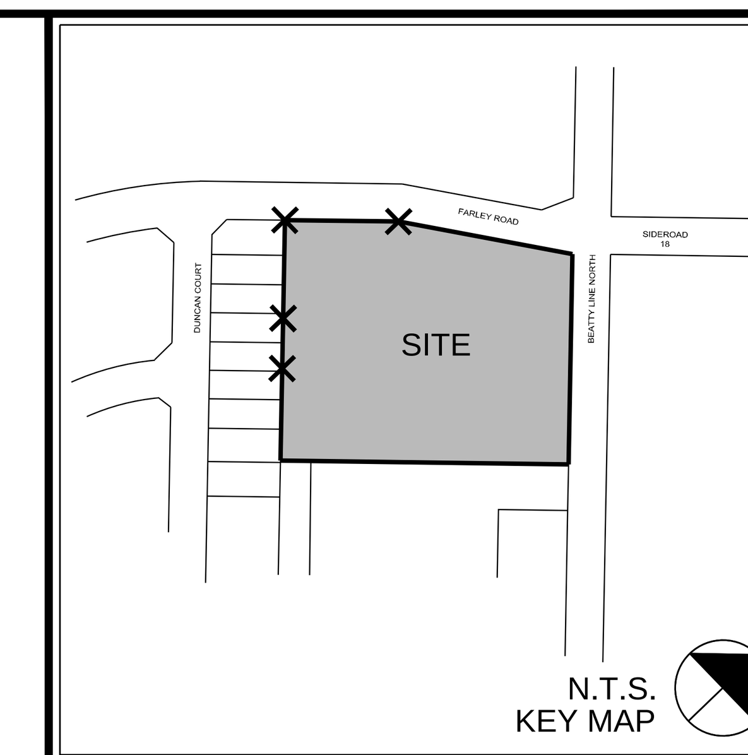
Compensation Required:
The Township of Centre Wellington uses the following procedures for replacement of removed trees (from Public Forest Policy draft, October 2017).
1. Any municipal trees removed will be replaced by the next planting season.
2. For every tree removed, 2 trees will be planted. Replacement trees may be planted in different locations depending on available space and whether the original location will allow them to thrive.
3. Staff must approve proposed tree planting locations, which may include Township boulevards, Storm Water Management Pond landscaped areas or other areas zoned "Environmental Protection".



NOTES

1. All dimensions shown are in millimetres
2. this detail does not represent any particular tree species
3. no construction activity, grade change, surface treatment, compaction, excavation or stockpiling of any kind is permitted within the protected area.

1 / TPP3 TREE PROTECTION FENCE DETAIL
N.T.S.



N.T.S.
KEY MAP

LEGEND:

No.	Description	By	Date
1	Rezoning Application	JD	27 AUG-19
0	Rezoning Application	MGN	03 JUL-18

REVISIONS: All previous issues of this drawing are superceded

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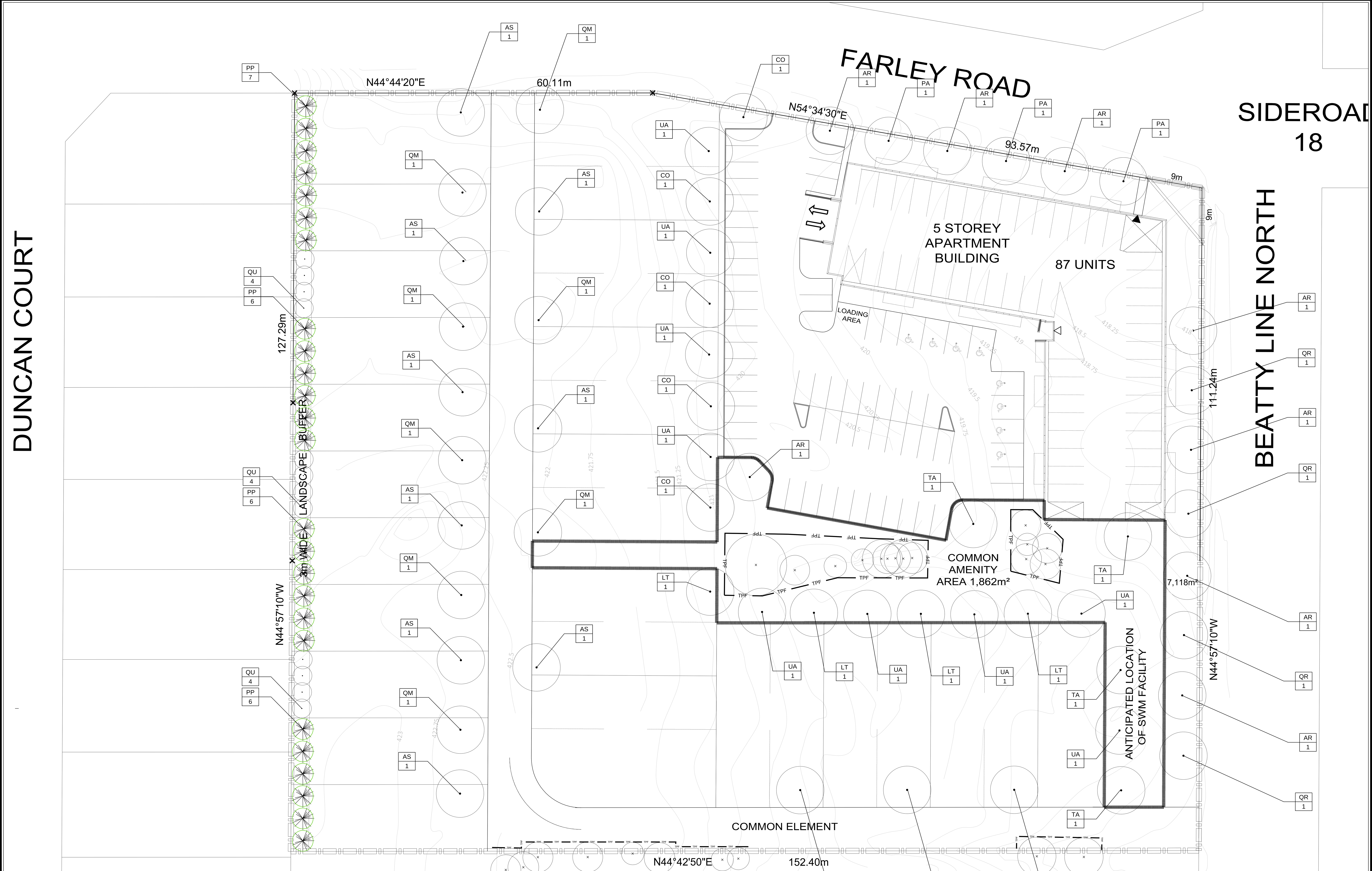
Title:
TREE PRESERVATION DETAILS

Project:
6552-6558 BEATTY LINE
TOWNSHIP OF CENTRE WELLINGTON (FERGUS)
JENNARK HOMES

Date: JUNE 2018 Designer: JD/MGN/EE
Project: AA18-030A Drawn: MGN/EE
Scale: 1:300 Checked: JD

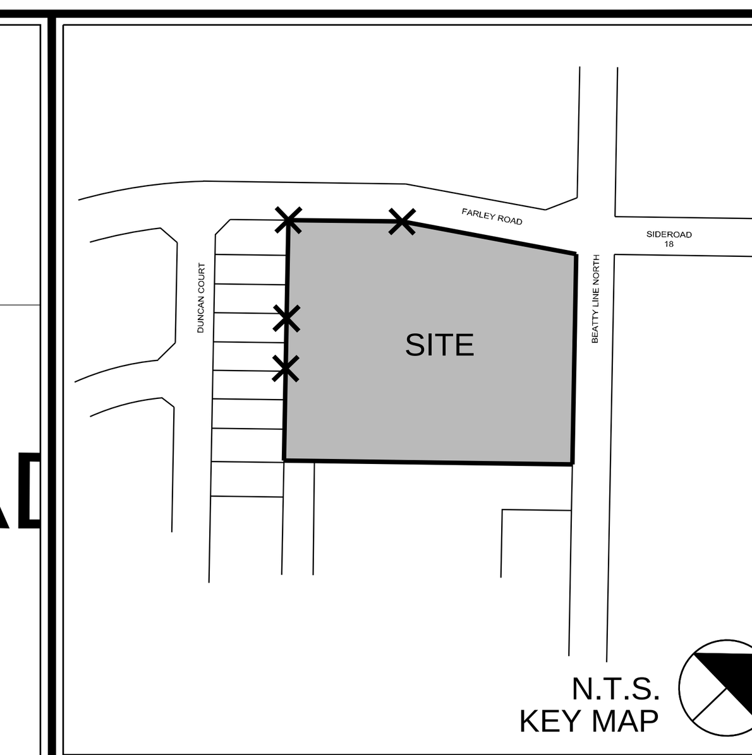
Drawing No:
TPP3

FILEPATH: S:\A+A PROJECTS\2018\APPROVED PROJECTS\18-030A BEATTY AND FARLEY, FERGUS TPP\CAD\AA CAD\AA18-030A TREE PRESERVATION AND REPLACEMENT PLAN 2019-08-26.DWG CTB: ABOUD2007.ctb PLOTTED:26-Aug-19 11:32 AM



PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	SPACING
TREES						
AR	10	ACER RUBRUM	RED MAPLE	60 MM CAL	WB	AS SHOWN
AS	9	ACER SACCHARUM	SUGAR MAPLE	60 MM CAL	WB	AS SHOWN
CO	5	CELTIS OCCIDENTALIS	COMMON HACKBERRY	60 MM CAL	WB	AS SHOWN
LT	4	LIRIODENDRON TULIPIFERA	TULIP TREE	60 MM CAL	WB	AS SHOWN
PA	3	PLATANUS X ACERIFOLIA 'BLOODGOOD'	LONDON PLANE TREE	60 MM CAL	WB	AS SHOWN
PP	25	PICEA PUNGENS	COLORADO SPRUCE	200 CM HGT	WB	4 M O.C.
QM	8	QUERCUS MACROCARPA	BUR OAK	60 MM CAL	WB	AS SHOWN
QR	4	QUERCUS RUBRA	RED OAK	60 MM CAL	WB	AS SHOWN
QU	12	QUERCUS ROBUR X ALBA 'SKINNY GENES'	SKINNY GENES PYRAMIDAL OAK	60 MM CAL	WB	3 M O.C.
TA	4	TILLIA AMERICANA 'BOULEVARD'	BASSWOOD	60 MM CAL	WB	AS SHOWN
UA	9	ULMUS AMERICANA 'VALLEY FORGE'	VALLEY FORGE AMERICAN ELM	60 MM CAL	WB	AS SHOWN
	83	TOTAL TREES				



LEGEND:

- PROPOSED DECIDUOUS TREES
- PROPOSED CONIFEROUS TREES
- QTY / SPE — PLANT KEY
- EXISTING TREE TO REMAIN

INFORMATION SOURCES

1. Site Plan dated August 19, 2019 obtained from Astrid J. Clos Planning Consultants. T:519.846.2201.
2. Topographic Survey dated March 5, 2018 by Van Harten Surveying Inc. T:519.669.5070
3. Tree information collected by Aboud & Associates Inc. on May 31 and June 1, 2018 T:519.822.6839

No.	Description	By	Date
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Title:

TREE REPLACEMENT PLAN

Project:

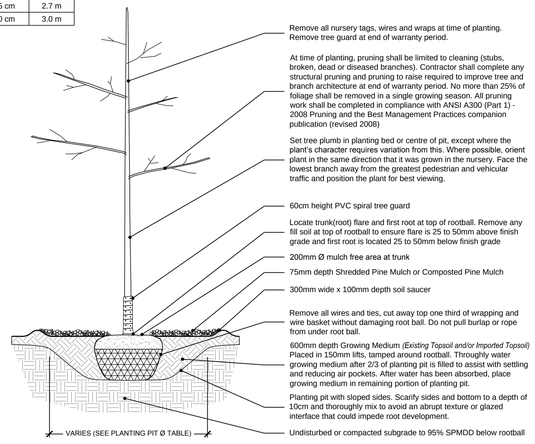
6552-6558 BEATTY LINE
TOWNSHIP OF CENTRE WELLINGTON (FERGUS)
JENNARK HOMES

Date: JUNE 2018 — Designer: JD/MGN/EE
Project: AA18-030A — Drawn: MGN/EE
Scale: 1:300 — Checked: EE

Drawing No: L1

PLANTING PIT Ø TABLE		
Caliper	Rootball Ø	Min. Pit Ø
40 mm	50 cm	1.8 m
50 mm	60 cm	2.1 m
60 mm	70 cm	2.4 m
70 mm	75 cm	2.7 m
80 mm	80 cm	3.0 m

Plant Characteristics, Rootballs, Rootball Standards *including minimum rootball diameters*, Harvesting Practices, Transporting, Unloading, Handling/Protection, Scheduling, Water/Irrigation, Digging of Plants and Preparing Roots prior to planting in accordance with the Section 9 of the Canadian Landscape Standard. Do not perform work under adverse field conditions such as frozen soil, excessively wet soil or soil covered with snow, ice, or standing water. Contractor to supply all required water during planting and maintenance work. TREE SUPPORTS ARE NOT REQUIRED AS PART OF THIS CONTRACT. IF THE CONTRACTOR DETERMINES TREE SUPPORTS ARE NECESSARY BASED ON SITE CONDITIONS, LANDSCAPE ARCHITECT TO PROVIDE DETAILS FOR SUPPORTS AND TIES.



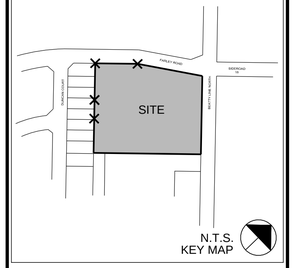
1 / L2 TYPICAL DECIDUOUS TREE PLANTING DETAIL
N.T.S.

1. Base information sources:
   1.1. Topographic Survey dated 2018-03-05 prepared by Van Harten Surveying Inc.
   1.2. Grading and Servicing Plan dated 20xx-xx-xx prepared by Van Harten Surveying Inc.
2. All dimensions are in metric unless otherwise noted.
3. Do not scale drawings. Dimensions are to be verified on site by Contractor prior to commencement of the work.
4. These plans shall be read in conjunction with all details, notes, reports, written specifications, general conditions, any supplemental conditions and agreement which form the contract documents.
5. These drawings shall not be used for construction purposes unless noted as "Issued for Construction" and signed by the Landscape Architect or Professional Engineer.
6. Contractor shall review all drawings and verify actual field conditions to determine the total scope of work and all required coordination prior to submission of bids and commencement of the work. Report any discrepancies to the Landscape Architect, for action to the satisfaction of the Owner.
7. Contractor shall locate all underground, at grade and overhead utilities prior to commencement of the work. All utilities not necessarily shown on these drawings. Aboud & Associates assumes no responsibility for the accuracy of any utilities shown in these drawings.
8. Contractor shall perform all work in accordance with to the most current Ontario Building Code, Occupational Health and Safety Act and it's regulations, as well as local municipal codes, regulations and by-laws.
9. Contractor shall identify the location of all internal/external construction access routes, parking and storage of materials in conformance with project erosion and sediment control plans for acceptance by the Owner. Construction, maintenance and removal/restoration of access, parking and storage facilities shall be included in the Contractor's bid price.
10. Contractor proposed substitution of materials and products shall be submitted in writing for review by Landscape Architect and acceptance by Owner and Municipality.
11. Material quantities on drawings shall take precedent over those in lists and schedules.
12. Where traffic control is necessary, Contractor shall use the guideline of the Construction Safety Association of Ontario, municipal by-laws, the Highway Traffic Act and the Ontario Traffic Manual (Book 7). The cost of preparing, obtaining approvals and implementing traffic control plans shall be included in the Contractor's bid price, unless otherwise noted.
13. Contractor shall erect temporary barriers, as required, to secure the work area. Contractor shall maintain temporary barriers in good repair and remove at the end of the work.
14. Contractor shall provide layout and grade staking, for general review for design conformance by Landscape Architect and acceptance by Owner. Where the work occurs within 1 meter of a property boundary, layout and staking shall be completed by an Ontario Land Surveyor. The cost of layout and grade staking, as well as the services of an Ontario Land Surveyor, shall be included in the Contractor's bid price, unless otherwise noted.
15. Contractor is responsible for protecting and/or reinstating site elements indicated in these drawings.
16. Contractor is responsible for restoration of adjacent surfaces and existing site elements damaged by the Contractor in the performance of the work, including but not limited to roads, driveways, playground equipment, utilities, buildings, curbs, sidewalks, retaining walls, fencing, turf, flowers and woody vegetation. Restoration work shall be performed by the Contractor at no cost to the Owner and be completed in conformance with applicable Provincial, Municipal or Agency standards and requirements, to the satisfaction of the Owner/Agency of the damaged element.
17. Where new paving or earthwork meets existing, smoothly blend line and grade of existing with new.
18. Test existing topsoil to be reused as growing medium on site in accordance with:
   18.1. Top Soil Basic Package (by SGS Laboratories or approved equal testing facility) Testing the following properties: Texture (%sand, %silt ,%clay), total salts, pH, buffer pH, phosphorus, potassium, magnesium, calcium, cation exchange capacity, chloride, sodium, sodium absorption ratio, organic matter. Written recommendations for amendments.
   18.2. The cost to amend existing topsoil to be reused shall be paid for by the Owner.
19. Contractor shall provide imported topsoil test results (using analysis requirements for existing topoil) prior to delivery to place of work, for each source.
20. Plants specified on these plans are to be in accordance with the Canadian Nursery Landscape Association Canadian Standards for Nursery Stock from the Canadian Landscape Standard, current edition.
   • Only nursery grown plants will be accepted.
   • Landscape Architect reserves the right to reject any plant material not in conformance with the standard, displaying life-threatening, poor growth habits, injury, disease or not true to name. Contractor shall remove rejected plants from the site immediately and replace at no additional cost to the Owner.
22. Proposed plants which come over or under any utility shall be relocated by the Contractor for review by the Landscape Architect, to the satisfaction of the utility provider.
23. All work and materials are to be warrantied by the Contractor for twenty-four (24) months from date of initial acceptance of all items by Municipal Staff and Project Landscape Architect.
   23.1. The Contractor shall perform maintenance, as described in these drawings for all the installed trees, shrubs, grasses and seeding during the warranty period.
   OR
   23.2. The Owner shall provide maintenance as described in these drawings for all installed trees, shrubs, grasses and seeding during the warranty period.

GENERAL LANDSCAPE NOTES
N.T.S.

.1 Perform following maintenance operations from time of planting to end of warranty period two (2) years following substantial performance of the work.
   .1 Water to maintain soil moisture conditions for optimum establishment, growth and health of plant material without causing erosion. In a typical loam soil, optimum soil moisture in planting beds at root depth is 65% of field capacity. Guidelines during a typical growing season are as follows:
      .1 Deep root water newly planted plants once per week for the first three weeks, such that the water penetrates to a minimum depth of 300mm.
      .2 Deep root or surface water trees and shrubs a minimum of every ten (10) days between May 15 and September 15.
      .3 Deep root or surface water trees and shrubs a minimum of every twenty-one (21) days between September 15 and freeze up.
      .4 Water evergreen plants thoroughly in late fall prior to freeze_up to saturate soil around root system.
   .2 Soil moisture to be monitored throughout the growing season:
      .1 Watering schedule to be increased when plant materials are reaching the permanent wilting point.
      .2 Watering schedule to be reduced when a sufficient volume of rainfall has penetrated the soil fully as required.
   .3 Replace or respread damaged, missing or disturbed mulch.
   .4 If required to control insects, fungus and disease, use appropriate control methods in accordance with Federal, Provincial and Municipal regulations. Obtain product approval from Consultant prior to application.
   .5 Control outbreaks of perennial weeds as directed by Consultant, and annual weeds by mechanical or chemical means utilizing acceptable integrated pest management practices to meet acceptance/success targets
      .1 If chemical means are used, comply with all municipal, provincial, and federal legislation and regulations.
   .6 Remove dead or broken branches from plant material using clean sharp horticultural tools using current arboricultural practices.
   .7 Keep trunk protection and guy wires in proper repair and adjustment.
   .8 Provide adequate protection from winter, wind and rodent damage.
   .9 Remove and replace dead plants and plants not in healthy growing condition. Make replacements in same manner as specified for original plantings, unless otherwise directed by Consultant.
   .10 Remove trunk protection, tree supports and level watering saucers at end of warranty period, unless otherwise directed by Consultant.
   .11 Submit monthly written reports in during the growing season (April - September) to Consultant identifying:
      .1 Maintenance work carried out.
      .2 Watering method, quantity of water used, water source.
      .3 General development and condition of plant material.
      .4 Preventative or corrective measures required which are outside Contractor's responsibility.

GENERAL MAINTENANCE DURING ESTABLISHMENT/WARRANTY PERIOD NOTES
N.T.S.



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No.	Description	By	Date
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Project: AA18-030A	Drawn: MGN/EE
Scale: 1:300	Checked: EE

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L2