

Numerous boundary and neighbouring white spruce trees are dead or in poor and declining condition. Removals are recommended to mitigate risk of failure. Permission of neighbouring landowners required.

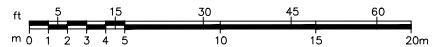
Low-impact root excavation in TPZs of trees #48, 49, 56, 66, 67, 70, 71 for underground parking garage, prune roots by Certified Arborist

- A Verification of Tree Protection Letter is to be provided to the Director of Planning prior to any on-site works. This is to ensure that all tree protection measures have been installed.
- To ensure that the existing trees are adequately protected, a certified arborist is to be on site during excavation within a TPZ.
- If soil compaction occurs within the tree protection zone of any tree, remedial efforts are to take place using non-invasive air excavation techniques.
- A tree inspection plan should be instated during the growing season one year after completion of construction. A Certified Arborist should visit the site and make recommendations that recognize and mitigate any decline of protected trees. This should be documented and held by the client should the City of Hamilton choose to follow up and review the Arborists comments. Any work recommended should be completed immediately and also documented.
- Where possible, the cutting of surface roots of existing trees is to be avoided. However, if these cuts are required, the cuts should be completed under the supervision of a tree management professional (i.e. certified arborist) so that cuts are made appropriately

- Trees on the property above 45cm and not consisting of excepted species are regulated under the Town of Ancaster By-law (By-law 2000-118). If such trees are being removed, it is advised that the City's Municipal Law Enforcement section be contacted to determine if permits are required for the removal of trees.
- The Owner is to be aware of the Migratory Birds Convention Act, 1994 that protects birds and their nests. The Migratory Birds Convention Act is implemented by Environment Canada. It is advised that every effort be made to avoid the removal of vegetation from the period of March 31st to August 31st.
- All areas protected by tree protection fencing are to remain undisturbed and are not to be used for temporary storage, placement of excavation of fill, top soil, construction materials or equipment
- The owner shall provide a landscaping plan containing sufficient replacement tree planting to compensate for the removal of the trees as indicated for development and grading

SOUTHCOTE ROAD

GARNER ROAD EAST

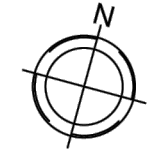


NOTES: Tree locations not surveyed, locations are field measured by the arborist. Work location estimated from clients provided site plan.

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PLAN KEY

- TREE RECOMMENDED FOR REMOVAL
- RETAINED TREE
- CONIFEROUS TREE FOR REMOVAL
- RETAINED CONIFEROUS TREE
- REPLACEMENT TREE
- RETAINED HEDGEROW
- HEDGEROW FOR REMOVAL
- TREE PROTECTION FENCE
- TREE PROTECTION ZONE



No.	DATE	BY	REVISIONS
1	09/19/2022	JCS	Tree Protection Plan
2	01/24/2023	JCS	City Comments
3	01/03/2024	CG	Revisions



TITLE:
Tree Protection Plan
559 Garner Rd E
Ancaster, ON

CLIENT:
Garner South M.D. Developments Inc.

DRAWING NO.:	001	SCALE:	1:400
JOB NO.:		SHEET:	1 OF 4

14 Large-growing shade trees proposed in compensation for tree removals. Most trees to be removed are undesirable species (Manitoba maple, Willow), or in fair to poor condition. Specific species to be selected and installed by the City of Hamilton Forestry Section for all boulevard plantings. Specific species for planting in private property listed in table at right of plan.

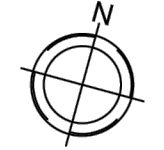
Tree Map Number	Tree Tag Number	Species	Botanical	DBH (cm) @ 1.4m	Tree Category (City/Private/Neighbour)	Health Condition	Structural Condition	Overall Condition	Crown Width (m)	Tree Height (m)	Deadwood (%)	TPZ - Drip-line + 1m	Construction Inside TPZ	Construction Impact (None, Low, Medium, High)	Action	Observations and Recommendations
1	836	Manitoba Maple	<i>Acer negundo</i>	49	Private	Good	Fair	Good	11	9	0	6.5	Y	H	Remove	Multi-stem (34, 27, 23cm); not protected under by-law
2	837	Manitoba Maple	<i>Acer negundo</i>	54	Private	Poor	Poor	Poor	10	8	55	6	Y	H	Remove	Multi-stem (41, 25, 25cm); overgrown with vines; dead leader; not protected under by-law
3	3	Downy Hawthorn	<i>Crataegus mollis</i>	33	Private	Good	Good	Good	6	6	10	4	Y	H	Remove	Multi-stem (18, 15, 13, 12, 10, 10cm); some deadwood
4	907	Norway Maple	<i>Acer platanoides</i>	18	Private	Good	Poor	Fair	5	7	0	3.5	Y	H	Remove	suppressed underneath Tree #5
5	905	Weeping Willow	<i>Salix babylonica</i>	174	Private	Good	Fair	Fair	21	16	10	11.5	Y	H	Remove	multi-stem (142, 100cm) dead limbs; broken 30cm branch; cavities; Not protected under by-law
6	6	Black Walnut	<i>Juglans nigra</i>	10	Private	Good	Good	Good	5	5	0	3.5	Y	H	Remove	
7	808	White Ash	<i>Fraxinus americana</i>	11	Private	Good	Good	Good	3	6	20	2.5	Y	H	Remove	Emerald Ash Borer (EAB)
8	N/A	White Ash	<i>Fraxinus americana</i>	10	Private	Fair	Good	Fair	3	7	0	2.5	Y	H	Remove	EAB; inaccessible for tagging
9	809	Siberian Elm	<i>Ulmus pumila</i>	38	Private	Good	Good	Good	9	13	5	5.5	Y	H	Remove	
10	10	Catalpa	<i>Catalpa speciosa</i>	6	Private	Good	Good	Good	4	3	0	3	Y	H	Remove	Multi-stem (5, 4cm)
11	835	White Ash	<i>Fraxinus americana</i>	15	Private	Good	Good	Good	4	7	0	3	Y	H	Remove	
12	12	White Ash	<i>Fraxinus americana</i>	14	Private	Good	Good	Good	4	6	5	3	Y	H	Remove	
13	13	Black Cherry	<i>Prunus serotina</i>	54	Private	Poor	Poor	Poor	5	8	55	3.5	Y	H	Remove	Multiple dead leaders; dying
14	14	White Ash	<i>Fraxinus americana</i>	10	Private	Good	Fair	Good	3	4	0	2.5	Y	H	Remove	suppressed by Tree #15
15	830	White Oak	<i>Quercus rubra</i>	84	Private	Fair	Good	Good	18	14	15	10	Y	H	Remove	small dead leaders; Protected under Ancaster Heritage Tree by-law
16	N/A	White Elm	<i>Ulmus americana</i>	12	Private	Good	Poor	Fair	3	5	0	2.5	Y	H	Remove	suppressed by Tree #15
17	829	Manitoba Maple	<i>Acer negundo</i>	35	Private	Good	Poor	Fair	7	15	0	4.5	Y	H	Remove	heavy lean
18	827	Manitoba Maple	<i>Acer negundo</i>	24	Private	Good	Good	Good	7	12	5	4.5	Y	H	Remove	
19	825	Manitoba Maple	<i>Acer negundo</i>	28	Private	Good	Good	Good	7	13	5	4.5	Y	H	Remove	
20	832	Manitoba Maple	<i>Acer negundo</i>	22	Private	Fair	Poor	Poor	6	5	15	4	Y	H	Remove	overgrown with vines
21	838	Black Walnut	<i>Juglans nigra</i>	23	Private	Good	Good	Good	7	10	0	4.5	Y	H	Remove	Multi-stem (12, 10, 8, 8cm)
22	22	Staghorn Sumac	<i>Rhus typhina</i>	19	Private	Good	Good	Good	12	6	0	7	Y	H	Remove	Large sumac cluster
23	826	Black Walnut	<i>Juglans nigra</i>	17	Private	Good	Good	Good	4	8	0	3	Y	H	Remove	
24	24	Manitoba Maple	<i>Acer negundo</i>	55	Private	Poor	Poor	Poor	12	10	25	7	Y	H	Remove	Growing out of rubble pile; not protected under by-law
25	25	Manitoba Maple	<i>Acer negundo</i>	32	Private	Fair	Poor	Fair	10	8	0	6	Y	H	Remove	leaning heavily
26	846	Manitoba Maple	<i>Acer negundo</i>	31	Private	Fair	Fair	Fair	11	12	0	6.5	Y	H	Remove	overgrown with vines
27	845	Manitoba Maple	<i>Acer negundo</i>	32	Private	Fair	Fair	Fair	9	13	0	5.5	Y	H	Remove	overgrown with vines
28	28	Manitoba Maple	<i>Acer negundo</i>	56	Private	Fair	Fair	Good	11	17	15	6.5	Y	H	Remove	not protected under by-law
29	849	Manitoba Maple	<i>Acer negundo</i>	14	Private	Good	Fair	Good	5	7	0	3.5	Y	H	Remove	
30	30	Sugar Maple	<i>Acer saccharum</i>	11	Private	Good	Good	Good	5	7	10	3.5	Y	H	Remove	
31	841	Manitoba Maple	<i>Acer negundo</i>	33	Private	Poor	Poor	Poor	11	12	60	6.5	Y	H	Remove	Broken trunk
32	822	Manitoba Maple	<i>Acer negundo</i>	31	Private	Good	Poor	Fair	8	8	25	5	Y	H	Remove	leaning heavily
33	823	Manitoba Maple	<i>Acer negundo</i>	27	Private	Good	Fair	Good	8	7	5	5	Y	H	Remove	
34	824	Manitoba Maple	<i>Acer negundo</i>	24	Private	Good	Fair	Good	6	9	10	4	Y	H	Remove	
35	820	Manitoba Maple	<i>Acer negundo</i>	25	Private	Good	Fair	Good	8	11	15	5	Y	H	Remove	
36	818	Manitoba Maple	<i>Acer negundo</i>	19	Private	Good	Fair	Good	8	8	10	5	Y	H	Remove	
37	821	Manitoba Maple	<i>Acer negundo</i>	11	Private	Good	Fair	Good	4	8	5	3	Y	H	Remove	

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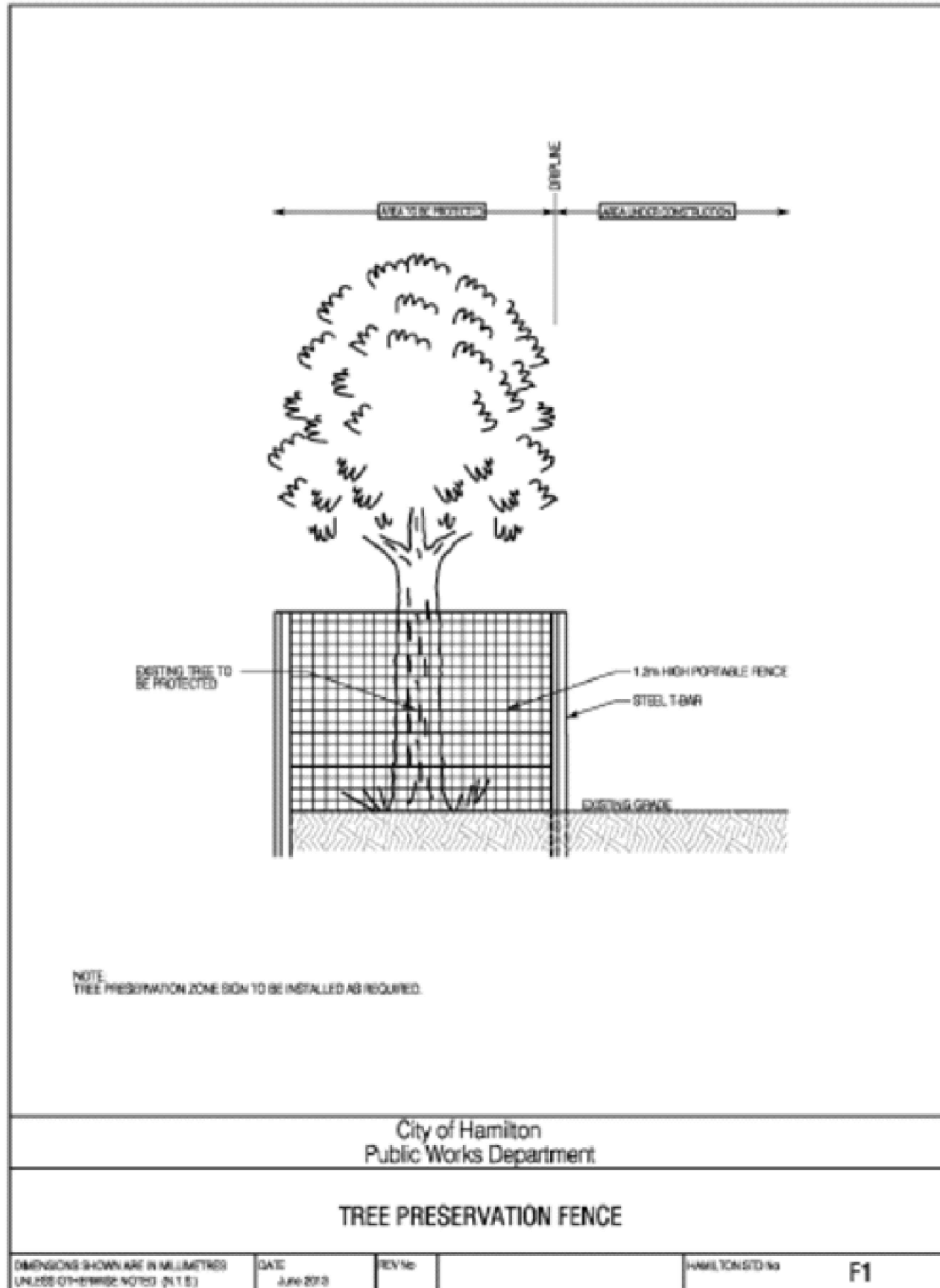
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DRAWING NO.:	001	SCALE:	1
JOB NO.:		SHEET:	2 OF 4

Table of Appraised Values for Neighbouring and Boundary Trees (CTLA 10th Edition)

Tree #	Common Name	Botanical	CONDITION	DBH	Functional Limitations	Condition Rating	External Limitations	Replacement Trunk Size (cm)	Replacement Tree Cost	Installation Cost	Replacement Trunk Area (cm2)	Appraised Trunk Area	Appraised Trunk Increase	Appraised Value
19	Norway Maple	<i>Acer platanoides</i>	Good	67	0.8	0.8	0.9	5	\$300	\$150	19.63	3523.865	3504.23	\$31,271.44
20	White Spruce	<i>Picea glauca</i>	Good	71	0.8	0.8	0.9	6	\$370	\$150	28.27	3957.185	3928.91	\$30,127.11
21	Hedge Maple	<i>Acer campestre</i>	Good	34	0.6	0.8	0.9	7.5	\$400	\$150	44.18	907.46	863.28	\$3,787.03
22	Hedge Maple	<i>Acer campestre</i>	Good	35	0.6	0.8	0.9	7.5	\$400	\$150	44.18	961.625	917.45	\$3,998.89
5	European Mountain Ash	<i>Sorbus aucuparia</i>	Good	30	0.75	0.75	0.8	5	\$320	\$300	19.63	714.35	694.72	\$5,517.94
6	Eastern Redcedar	<i>Juniperus virginiana</i>	Good	30	0.8	0.7	0.8	5	\$230	\$300	19.63	706.5	686.87	\$3,945.00
917	Japanese Lilac	<i>Syringa reticulata</i>	Good	5	0.8	0.7	0.8	5	\$330	\$300	19.63	19.625	-0.01	\$430.01
918	Japanese Lilac	<i>Syringa reticulata</i>	Good	6	0.8	0.8	0.8	6	\$350	\$300	28.27	28.26	-0.01	\$511.91
919	Hedge Maple	<i>Acer campestre</i>	Good	8	0.8	0.9	0.8	7.5	\$400	\$300	44.18	50.24	6.06	\$665.21
920	Hedge Maple	<i>Acer campestre</i>	Good	5	0.8	0.8	0.8	7.5	\$400	\$300	44.18	19.625	-24.55	\$449.38
921	Japanese Lilac	<i>Syringa reticulata</i>	Good	6	0.8	0.8	0.8	6	\$350	\$300	28.27	28.26	-0.01	\$511.91
922	Hedge Maple	<i>Acer campestre</i>	Good	7	0.8	0.8	0.8	7.5	\$400	\$300	44.18	38.465	-5.71	\$536.71
923	Japanese Lilac	<i>Syringa reticulata</i>	Good	6	0.8	0.8	0.8	6	\$350	\$300	28.27	28.26	-0.01	\$511.91
924	Japanese Lilac	<i>Syringa reticulata</i>	Good	6	0.8	0.8	0.8	6	\$350	\$300	28.27	28.26	-0.01	\$511.91
944	Ash	<i>Fraxinus species</i>	Fair	32	0.8	0.6	0.8	6	\$300	\$300	28.27	803.84	775.57	\$3,505.54
945	White Oak	<i>Quercus alba</i>	Good	12	0.9	0.8	0.8	5	\$420	\$300	19.63	113.04	93.41	\$1,807.47
966	Hedge Maple	<i>Acer campestre</i>	Good	18	0.8	0.8	0.8	7.5	\$400	\$300	44.18	254.34	210.16	\$1,537.45
967	Japanese Lilac	<i>Syringa reticulata</i>	Good	9	0.8	0.8	0.8	6	\$350	\$300	28.27	63.585	35.31	\$735.80
968	Japanese Lilac	<i>Syringa reticulata</i>	Good	7	0.8	0.8	0.8	6	\$350	\$300	28.27	38.465	10.19	\$576.59
969	Hedge Maple	<i>Acer campestre</i>	Good	9	0.8	0.8	0.8	7.5	\$400	\$300	19.63	63.585	43.96	\$1,021.78
970	Japanese Lilac	<i>Syringa reticulata</i>	Good	5	0.8	0.8	0.8	6	\$350	\$300	19.63	19.625	0.00	\$511.95

Tree Preservation Fencing

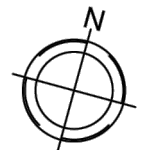


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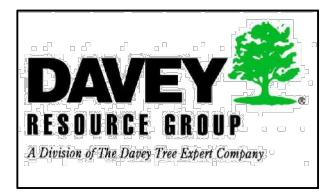
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Tree Protection Zone



No grade change, storage of materials or equipment is permitted within this area. This tree protection barrier must not be removed without the written authorization of the City of Hamilton. Report any contraventions to

Contact Name-Davey Resource Group Tel No. (647) 465-4901
 Unauthorized removal of the tree protection barrier or other contraventions may result in prosecution.

Laminated and Posted in visible areas along Tree Protection Fencing

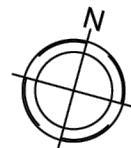
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