Commercial Development
Western Site

Tree Preservation Report

Project Location:
4452 Wellington Road South
London, ON

Prepared for:
2858637 Ontario Inc.
21 Adastra Place
Brampton, ON
L6P 3B4

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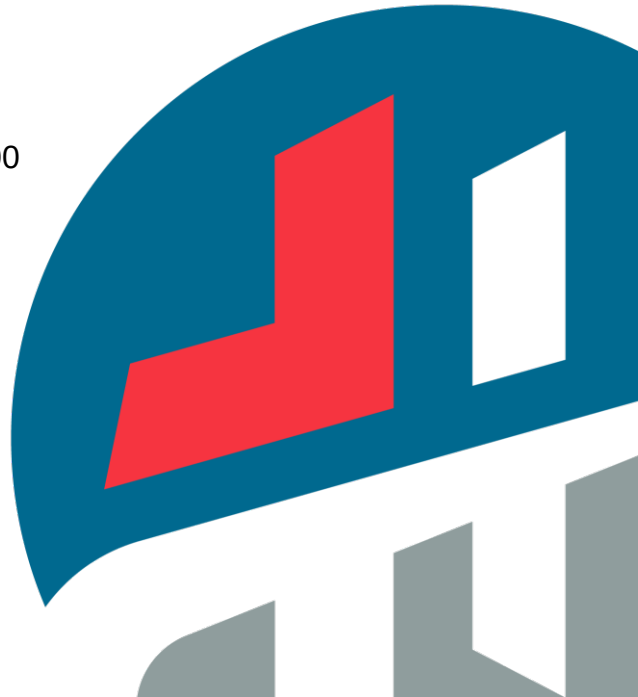
April 19, 2024

MTE File No.: 49999-100



Engineers, Scientists, Surveyors.

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1.0 INTRODUCTION

MTE Consultants Inc. (MTE) was retained by 2858637 Ontario Ltd. to complete the Tree Preservation Report in support of the re-designation of the property at 4452 Wellington Road South in the City of London, legally described as Concession 3, Lot 15, Westminster, City of London.

The Subject Lands are approximately 8.36 hectares (ha) and consist of a parcel of land south of Highway 401, bounded by Wellington Road South to the west, Dingman Drive to the south, Castleton Road to the east and a commercial development to the north. The development of this parcel has been divided into two site plans. Previously, a tree protection plan has been submitted for the eastern portion of the property. This plan covers the wester portion as indicated in Figure 1. Most trees onsite, particularly those within the woodlot are covered in this plan.

2.0 CRITERIA

This report has been prepared as a requirement for the Zoning By-Law Amendment approval process and conforms to Section 12 of the City of London Design Specifications & Requirements Manual (March 2022).

Data collected includes Botanical and Common Name, DBH at 1.37m above grade, estimated height and canopy diameter, and health and structural rating according to the following rating system:

Health:

Excellent (1)	health and vigour are exceptional, no pest, disease, or distress symptoms
Good (2)	health and vigour are average, no significant or specific distress symptoms, no significant pest or disease.
Fair (3)	health and vigour are somewhat compromised, distress is visible, pest or disease may be present and affecting health, problems are generally correctable
Marginal (4)	health and vigour are significantly compromised, distress is highly visible and present to the degree that survivability in in question.
Poor (5)	decline has progressed beyond the point of being able to return to a healthy condition again, long-term survival is not expected, moribund/dead trees.

Structure:

Excellent (1)	no obvious structural problems
Good (2)	some minor structural problems may be present which do not require corrective action.
Moderate (3)	normal, typical, structural issues present which can be corrected with pruning
Marginal (4)	serious structural problems are present which may or may not be correctable with pruning, cabling, bracing, etc.
Poor (5)	hazardous structural condition which cannot be effectively corrected with pruning or other measures, may require removal depending on location and the presence of targets.

Figure1: Site location

3.0 TREE INVENTORY

On January 11, 2023, a total of 157 trees were reviewed for this Tree Preservation Report [Table 3.1]. Trees were located to within 3m using a handheld GPS unit. Most trees are located within a Woodland that is under assessment as part of the Environmental Impact Study (EIS). Conclusions regarding Woodland significance and requirements for compensation will be determined within the EIS.

The most abundant species on site is Black Walnut (*Juglans nigra*) (88).

Additional native species inventoried include Red Maple (*Acer rubrum*) (4), Trembling Aspen (*Populus tremuloides*) (8), Burr Oak (*Quercus macrocarpa*) (3), Basswood (*Tilia Americana*) (1), and White Elm (*Ulmus americana*) (1).

Non-invasive, exotic and/or hybrid species on or within 3m of the development lands include Northern Catalpa (*Catalpa speciosa*) 12), Butternut X (*Juglans x bixbyi*) (5), Norway Spruce (*Picea abies*) (6), Common Pear (*Pyrus communis*) (1), and Common Lilac (*Syringa vulgaris*) (1).

Undesirable and/or invasive species noted on the site include Manitoba Maple (*Acer negundo*) (30), and Common Buckthorn (*Rhamnus cathartica*) (4).

Three potential wildlife/bat habitat trees were noted on the site. Tree 107 is a 56cm DBH Norway Spruce with internal cavities. Trees 143 and 144 are 68cm DBH and 124cm DBH Northern Catalpa with internal cavities. A discussion of these trees is provided in the EIS.

Trees 15, 66, 71, 113, 118 were suspected Butternut (*Juglans nigra*). On July 2, 2022, the field component of a Butternut Health Assessment (BHA) was completed. Leaf samples were collected for DNA analysis. The results of the analysis determined all five trees to be of hybrid origin. Hybrid Butternut trees are not protected under the ESA, but their removal may be subject to municipal by-laws and other legislation. BHA Report 222-223 was prepared and submitted on September 12, 2022, according to section 23.7 of Ontario Regulation 242/08 under the Endangered *Species Act, 2007* (ESA). The 30-day audit deadline has passed and therefore the report has been accepted by MNRF.

No boundary trees were inventoried as defined by the Forestry Act:

> *(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*

Boundary trees are protected by the Forestry Act:

> *(3) Every person who injures or destroys a tree growing on the boundary between adjoining lands without the consent of the landowners is guilty of an offence under this Act. 1998, c. 18, Sched. I, s. 21.*

4.0 DEVELOPMENT PROPOSAL

2858637 Ontario Inc. (the proponent) is proposing the development of commercial buildings with associated roadways and parking spaces on the Subject Lands [TP1.1]. The conceptual development plan includes:

- Three commercial buildings and parking spaces

Ultimately all trees within the woodland area and the entirety on site will be removed.

Tree 28 is on the neighbouring lands and will be preserved.

No City owned trees will be impacted.

For reference, 156 trees totaling 5530cm DBH will be removed. Thirty-one trees are Manitoba Maple totaling 1133cm DBH, which can be considered an invasive species and therefore not considered for replacement compensation under London Plan Policy 399_4b leaving 4397cm DBH eligible for compensation. In addition, one lilac bush and four large Common Buckthorn were not included in the total DBH calculation.

The London Plan Policy 399_4b states, in part, that. '*Trees will generally be replaced at a ratio of one replacement tree for every ten centimeters of tree diameter that is removed*'. Notwithstanding, specific compensation requirements for this project will be determined through an EIS.

The site plan provides wide landscape planting strips on the north, east and south sides of the property. These strips will provide enough space to plant up to 340 trees on the site in compensation for tree removals.

5.0 TREE PROTECTION MEASURES

5.1 Standard Protection Measures

- shall be in accordance with Section 12 of the City of London Design Specifications & Requirements Manual
- shall be implemented and verified by an ISA Certified Arborist prior to any land clearing, demolition, excavation, construction or grading operations within 30m of the TPZ
- Tree Protection Zone (TPZ) shall be delineated according to the Tree Preservation Plan (TP2) by orange vinyl fencing installed according to City of London Standard Drawing TPP-1 Tree Preservation Details
- no equipment, materials or tools shall be stored within the TPZ
- tree protection fencing shall remain in place until all construction work is completed
- an ISA Certified Arborist shall be contacted should work within the TPZ be required for any reason during the development process
- any damage to remaining trees as a result of demolition or construction shall be reported to an ISA Certified Arborist as soon as possible so that appropriate treatments can be applied, and documentation made.
- tree tags shall be removed from all remaining trees once tree protection measures are removed.

5.2 Tree Removals

- trees shall be felled outside of the TPZ.
- trees to be removed that exist within the canopies of remaining trees should be removed by a qualified arborist.
- the arborist shall remove trees in such a way as to not injure remaining trees or understory.
- trees should be removed and disposed of off-site, unless noted otherwise.
- To comply with the Migratory Birds Convention Act, tree removals should not occur within the migratory bird breeding season (April 9-August 31 for Canada Nesting Zone C2) without prior clearance from a qualified ornithologist.

5.3 Pruning

- Shall be completed by a certified arborist.

5.4 Excavations

- Near trees or within TPZ should be supervised by a certified arborist with root pruning capabilities.
- may be conducted carefully using heavy equipment until roots 4cm or greater are encountered outside of the TPZ.
- roots greater than 4cm in diameter should be exposed using less invasive methods (hand shoveling, air spade, low pressure hydro-excavating) and cut cleanly, by hand with clean tools.
- avoid exposing excess root mass of trees marked for preservation
- roots >4cm in diameter damaged during excavations shall be exposed to sound tissue and cut cleanly with pruners or a saw.
- exposed roots should be backfilled or covered as soon as possible
- roots shall not be left exposed overnight
- in hot, dry weather it may be necessary to regularly wet exposed roots to prevent them drying out during immediate construction activity

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the proposed development plan, it is concluded that:

i. one hundred and fifty-six (156) trees, totaling 4397cm DBH will be removed; and
ii. Compensation will be determined through an EIS.
iii. no protected, threatened, or endangered species will be affected.

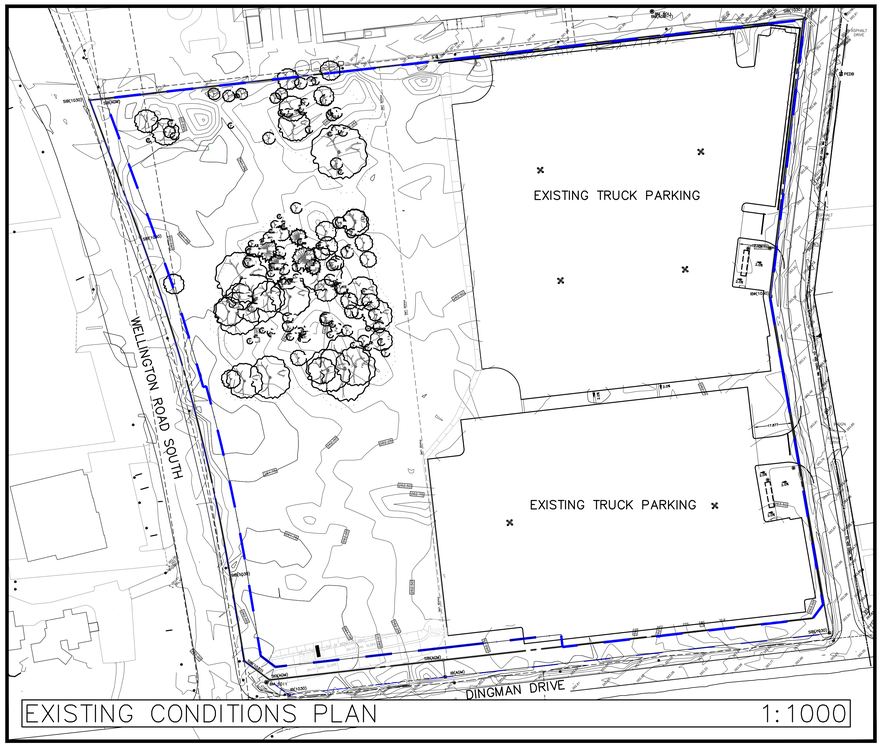
All of which is respectfully submitted,

MTE Consultants Inc.

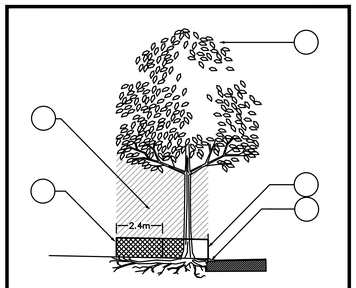
Will Huys
ISA Certified Arborist ON-1183A
519-204-6510 ext.2246
whuys@mte85.com

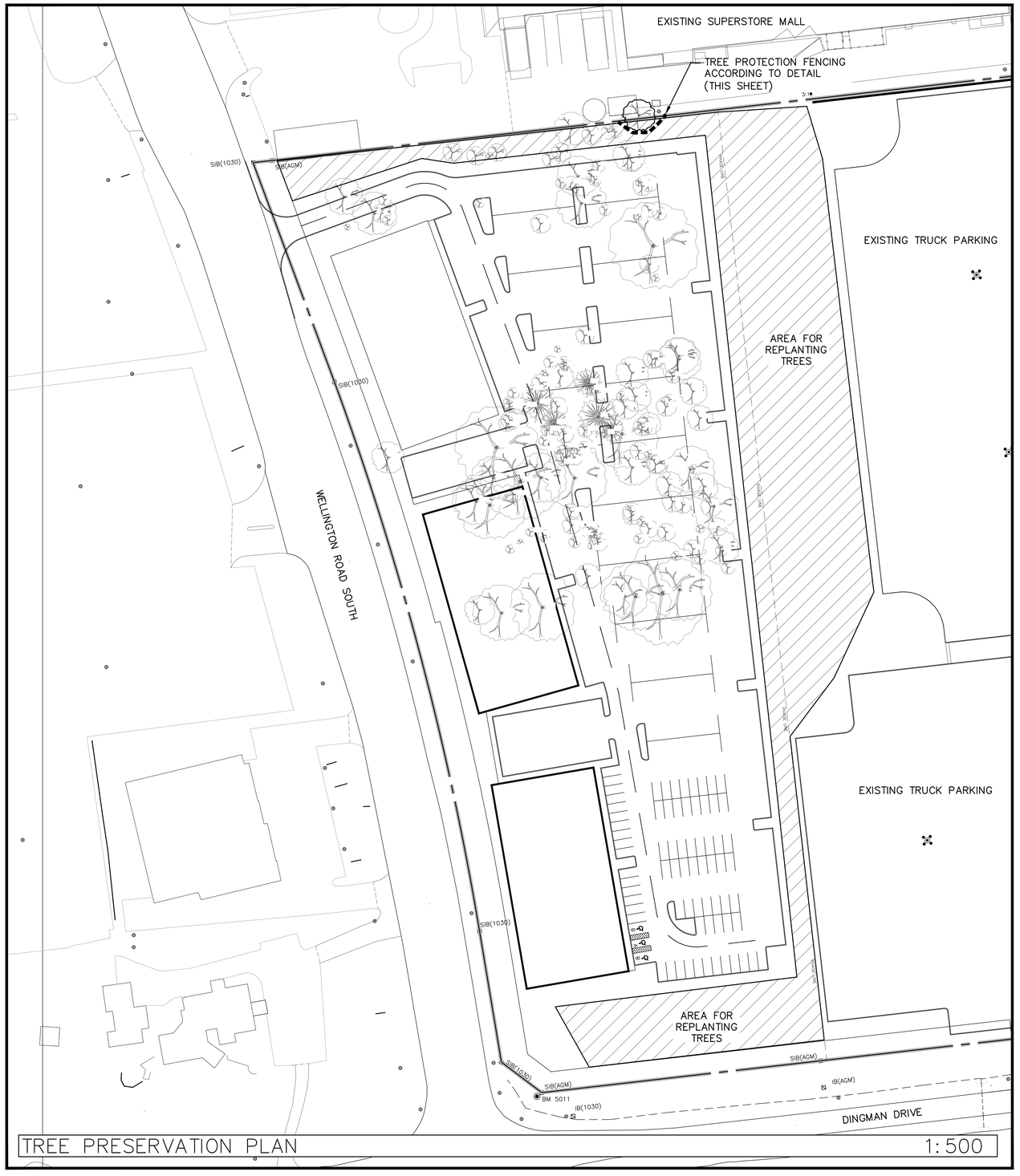
Figures

P:\P\49999\100\TREE REPORT\49999-100_TREE DRAWING WEST SITE PLAN.DWG

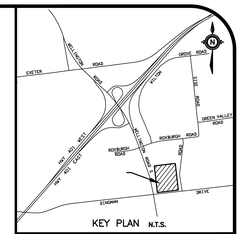


EXISTING CONDITIONS PLAN 1:1000





TREE PRESERVATION PLAN 1:500



KEY PLAN N.T.S.

GEODETIC BENCHMARK ELEV. = 261.263m
01019950011 LOCATED IN SW CORNER OF SITE NEAR EX DICB (SEE DWG)

SITE BENCHMARK ELEV. = 262.560m
BOLT IN SIGN LOCATED IN PARKING LOT ON ADJACENT SITE TO THE NORTH (SEE DWG)

NOTE TO CONTRACTOR :

DO NOT SCALE DRAWINGS.

CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.

THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

LEGEND

- EMBANKMENT (SLOPE AS NOTED)
- CONCRETE CURB (DROP CURB)
- GATE FENCE
- RETAINING WALL
- SITE BOUNDARY
- EXISTING SPOT ELEVATIONS/CONTOURS
- EXISTING TREE TO PRESERVE
- EXISTING TREE TO REMOVE
- TREE PROTECTION FENCING (DETAIL THIS SHEET)

NOTE:
ALL WORK WITHIN THE CITY ROAD ALLOWANCE SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE CITY OF LONDON ENVIRONMENTAL SERVICES DEPARTMENT, THE STANDARD CONTRACT DOCUMENTS FOR MUNICIPAL CONSTRUCTION PROJECTS, AS ADOPTED BY COUNCIL ON MAY 30, 1994 AND AS AMENDED FROM TIME TO TIME, ARE TO BE APPLIED TO WORKS WITHIN THE CITY ROAD ALLOWANCE, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

No.	REVISION	BY	YYYY-MM-DD
8.			
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6.			
5.			
4.			
3.			
2.			
1.			

MTE
Engineers, Scientists, Surveyors
(519)204-6510

OWNER

2852637 ONTARIO INC.

PROJECT

4452 WELLINGTON RD S.
COMMERCIAL/RETAIL

DRAWING

PRELIMINARY TREE PRESERVATION PLAN

Project Manager	RAL	Job No.	49999-100
Design By	MTE	Checked By	DS
Drawn By	MTE	Checked By	DS
Surveyed By	MTE	Drawing No.	TP1
Date	Apr.17/24		
Scale	AS SHOWN	Sheet 1 of 1	

Tree #	DBH (cm)	Common Name	Scientific Name	Ht. (m)	Canopy Rad. (m)	Health	Struct.	Notes	Recommendation
135	11	BLACK WALNUT	Juglans nigra	10	3	3	2	on tree	REMOVE
136	12	BLACK WALNUT	Juglans nigra	9	3	3	1	on tree	REMOVE
137	14	BLACK WALNUT	Juglans nigra	11	3	3	2	on tree	REMOVE
138	12	BLACK WALNUT	Juglans nigra	9	3	3	2	on tree	REMOVE
139	10	NORTHERN CATALPA	Catalpa speciosa	12	4	3	2	on tree	REMOVE
140	10	NORTHERN CATALPA	Catalpa speciosa	12	4	3	2	on tree	REMOVE
141	10	MANITOBA MAPLE	Acer negundo	12	4	3	3	Hybrid for species	REMOVE
142	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
143	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
144	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
145	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
146	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
147	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
148	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
149	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
150	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
151	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
152	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
153	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
154	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
155	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
156	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE
157	10	BLACK WALNUT	Juglans nigra	12	4	3	2	on tree	REMOVE

April 19, 2024 - 9:45:17 AM - Plotted By: Wil Hoye

Appendix A

Tree Inventory

Tree No.	DBH (cm)	Common Name	Botanical Name	Ht. (m)	Rad. (m)	Health	Struct.	Notes	Recommendation
1	59	MANITOBA MAPLE	Acer negundo	14	5	3	3	salt damage, witches broom, some rot in crown	REMOVE
2	69	MANITOBA MAPLE	Acer negundo	14	7	4	5	lots of rot in main stem	REMOVE
3	10	BLACK WALNUT	Juglans nigra	6	2	3	2	salt damage	REMOVE
4	19	BLACK WALNUT	Juglans nigra	14	6	1	1	ok tree	REMOVE
5	X9	EUROPEAN BUCKTHORN	Rhamnus cathartica	10	5	1	4	large invasive shrub, 9 stems	REMOVE
6	17	MANITOBA MAPLE	Acer negundo	10	3	2	2	leaning, typical for species	REMOVE
7	X5	MANITOBA MAPLE	Acer negundo	14	6	2	3	5 stems= 118cm	REMOVE
8	X4	NORTHERN CATALPA	Catalpa speciosa	12	5	1	2	Multi-stemmed - total dbh 118, 4 STEMS	REMOVE
9	14	BLACK WALNUT	Juglans nigra	8	3	1	2	grape vines entwined	REMOVE
10	11	MANITOBA MAPLE	Acer negundo	9	4	2	3	lots of suckers	REMOVE
11	29	MANITOBA MAPLE	Acer negundo	14	4	2	2	typical for species	REMOVE
11	X3	MANITOBA MAPLE	Acer negundo	14	10	3	5	leaning twisted 3stem, total dbh=109	REMOVE
12	29	MANITOBA MAPLE	Acer negundo	14	5	2	2	typical for species	REMOVE
13	27	BLACK WALNUT	Juglans nigra	14	6	1	2	slightly 1-sided crown	REMOVE
14	X6	MANITOBA MAPLE	Acer negundo	16	11	3	4	failing 6 stem tree total dbh=130	REMOVE
15	17	BUTTERNUT X	Juglans x bixbyi	8	9 TO ONE SIDE	2	4	hybrid, suppressed crown	REMOVE
16	31	BLACK WALNUT	Juglans nigra	16	7	1	1	ok tree	REMOVE
17	54	MANITOBA MAPLE	Acer negundo	16	9	3	3	starting to fail	REMOVE
18	30	MANITOBA MAPLE	Acer negundo	14	9	3	3	leaning, starting to fail in crown	REMOVE
19	x4	MANITOBA MAPLE	Acer negundo	14	7	3	3	Multi-stemmed - total dbh 65 , 4 STEMS	REMOVE
20	22	BLACK WALNUT	Juglans nigra	17	5	1	2	low lcr	REMOVE

Tree No.	DBH (cm)	Common Name	Botanical Name	Ht. (m)	Rad. (m)	Health	Struct.	Notes	Recommendation
21	17	MANITOBA MAPLE	Acer negundo	12	5	3	3	typical for species	REMOVE
22	20	MANITOBA MAPLE	Acer negundo	12	5	3	3	typical for species	REMOVE
23	18	MANITOBA MAPLE	Acer negundo	10	5	3	3	typical for species	REMOVE
24	18	MANITOBA MAPLE	Acer negundo	10	5	3	3	typical for species	REMOVE
25	x6	EUROPEAN BUCKTHORN	Rhamnus cathartica	12	4	2	4	large invasive shrub, 6 stems	REMOVE
26	23	BLACK WALNUT	Juglans nigra	13	5	2	1	ok tree	REMOVE
27	19	BLACK WALNUT	Juglans nigra	13	5	2	1	ok tree	REMOVE
28	x2	BLACK WALNUT	Juglans nigra	14	6	2	2	total dbh=54, 2 stems	REMOVE
29	x3	MANITOBA MAPLE	Acer negundo	14	7	3	3	total dbh=64cm, 3 stems	REMOVE
31	11	MANITOBA MAPLE	Acer negundo	6	3	4	4	other tree has fallen on it	REMOVE
32	30	MANITOBA MAPLE	Acer negundo	16	5	2	2	typical for species	REMOVE
33	28	MANITOBA MAPLE	Acer negundo	8	-	5	5	has uprooted recently, do not compensate	REMOVE
34	24	MANITOBA MAPLE	Acer negundo	8	-	5	5	has uprooted recently, do not compensate	REMOVE
35	22	BLACK WALNUT	Juglans nigra	6	-	5	5	has uprooted recently, do not compensate	REMOVE
36	x10	EUROPEAN BUCKTHORN	Rhamnus cathartica	9	3	3	4	large invasive shrub, 10 stems	REMOVE
37	x8	RED MAPLE	Acer rubrum	22	11	2	3	multi stem tree total 30cmdbh, 8 stems	REMOVE
38	12	BLACK WALNUT	Juglans nigra	12	4	2	3	suppressed crown	REMOVE
39	x5	RED MAPLE	Acer rubrum	22	8	2	3	4stem total 140cmdbh	REMOVE
40	x3	RED MAPLE	Acer rubrum	20	7	3	4	3stem total 60cm	REMOVE
41	68	RED MAPLE	Acer rubrum	24	9	3	3	starting to lose branches in crown	REMOVE
42	23	BLACK WALNUT	Juglans nigra	20	7	2	1	ok tree	REMOVE
43	18	BLACK WALNUT	Juglans nigra	20	7	2	1	ok tree	REMOVE

Tree No.	DBH (cm)	Common Name	Botanical Name	Ht. (m)	Rad. (m)	Health	Struct.	Notes	Recommendation
44	44	BLACK WALNUT	Juglans nigra	22	9	2	1	ok tree	REMOVE
45	41	COMMON PEAR	Pyrus communis	12	5	3	3	leaning and losing crown branches	REMOVE
46	69	NORTHERN CATALPA	Catalpa speciosa	22	6	2	2	slight lean	REMOVE
47	15	BLACK WALNUT	Juglans nigra	20	4	2	2	low lcr, spindly	REMOVE
48	43	BLACK WALNUT	Juglans nigra	22	8	2	1	good edge tree	REMOVE
49	34	BLACK WALNUT	Juglans nigra	22	8	2	1	good edge tree	REMOVE
50	32	BLACK WALNUT	Juglans nigra	22	8	2	2	vine on it	REMOVE
51	29	BLACK WALNUT	Juglans nigra	20	7	2	2	good edge tree	REMOVE
52	13	BLACK WALNUT	Juglans nigra	16	5	1	1	good edge tree	REMOVE
53	30	BLACK WALNUT	Juglans nigra	20	8	2	1	good edge tree	REMOVE
54	36	BLACK WALNUT	Juglans nigra	22	8	2	1	good edge tree	REMOVE
55	18	BLACK WALNUT	Juglans nigra	18	6	2	2	suppressed crown	REMOVE
56	21	BLACK WALNUT	Juglans nigra	17	5	2	2	vine on it	REMOVE
57	17	BLACK WALNUT	Juglans nigra	18	4	2	2	suppressed crown	REMOVE
58	20	BLACK WALNUT	Juglans nigra	20	4	1	2	ok tree	REMOVE
59	27	BLACK WALNUT	Juglans nigra	22	5	1	2	ok tree	REMOVE
60	34	BLACK WALNUT	Juglans nigra	22	6	4	4	nectria, basal rot, ugs	REMOVE
61	42	BLACK WALNUT	Juglans nigra	24	7	2	2	ok tree	REMOVE
62	16	BLACK WALNUT	Juglans nigra	14	4	2	4	suppressed crown	REMOVE
63	28	BLACK WALNUT	Juglans nigra	23	5	2	3	low lcr	REMOVE
64	31	BLACK WALNUT	Juglans nigra	23	6	2	2	slightly top-heavy	REMOVE
65	36	BLACK WALNUT	Juglans nigra	23	7	2	2	vine on it	REMOVE

Tree No.	DBH (cm)	Common Name	Botanical Name	Ht. (m)	Rad. (m)	Health	Struct.	Notes	Recommendation
66	31	BUTTERNUT X	Juglans x bixbyi	18	6	2	2	suppressed crown	REMOVE
67	30	BLACK WALNUT	Juglans nigra	18	5	2	2	ok tree	REMOVE
68	27	NORTHERN CATALPA	Catalpa speciosa	18	5	2	1	ok tree	REMOVE
69	51	BLACK WALNUT	Juglans nigra	24	11	2	1	ok tree	REMOVE
70	48	BLACK WALNUT	Juglans nigra	23	11	2	2	ok tree	REMOVE
71	18	BUTTERNUT X	Juglans x bixbyi	8	7 to one side	3	4	lean with internal rot	REMOVE
72	40	BLACK WALNUT	Juglans nigra	23	11	2	2	slightly one-sided	REMOVE
73	29	BLACK WALNUT	Juglans nigra	22	5	2	3	low lcr	REMOVE
74	14	BLACK WALNUT	Juglans nigra	18	3	2	3	low lcr, suppressed crown	REMOVE
75	29	BLACK WALNUT	Juglans nigra	19	5	2	3	grown in fence, damaged trunk	REMOVE
76	57	BLACK WALNUT	Juglans nigra	24	11	1	1	ok tree	REMOVE
77	29	BLACK WALNUT	Juglans nigra	20	6	1	1	ok tree	REMOVE
78	18	BLACK WALNUT	Juglans nigra	18	3	1	2	low lcr	REMOVE
79	28	BLACK WALNUT	Juglans nigra	18	6	1	2	vine on it	REMOVE
80	15	BLACK WALNUT	Juglans nigra	12	3	1	1	ok tree	REMOVE
81	78	BLACK WALNUT	Juglans nigra	24	9	2	3	included bark and rot at main crotch	REMOVE
82	76	BLACK WALNUT	Juglans nigra	24	13	2	3	some crown damage	REMOVE
83	80	BLACK WALNUT	Juglans nigra	24	12	2	2	hawk nest, heart rot visible	REMOVE
84	29	BLACK WALNUT	Juglans nigra	22	6	2	2	ok tree	REMOVE
85	16	BLACK WALNUT	Juglans nigra	18	5	2	2	ok tree	REMOVE
86	16	BLACK WALNUT	Juglans nigra	16	3	1	1	ok tree	REMOVE
87	31	BLACK WALNUT	Juglans nigra	20	6	1	2	ok tree	REMOVE

Tree No.	DBH (cm)	Common Name	Botanical Name	Ht. (m)	Rad. (m)	Health	Struct.	Notes	Recommendation
88	112	NORTHERN CATALPA	Catalpa speciosa	22	11	3	2	ok big tree	REMOVE
89	11	BLACK WALNUT	Juglans nigra	9	3	2	3	low lcr	REMOVE
90	40	NORWAY SPRUCE	Picea abies	20	-	5	5	dead	REMOVE
91	38	NORWAY SPRUCE	Picea abies	17	-	5	6	moribund	REMOVE
92	60	NORWAY SPRUCE	Picea abies	24	8	2	2	ok tree	REMOVE
93	11	BLACK WALNUT	Juglans nigra	12	3	2	3	suppressed crown	REMOVE
94	43	NORWAY SPRUCE	Picea abies	22	4	3	1	ok tree	REMOVE
95	15	LILAC	Syringa vulgaris	6	4	1	2	Multi-stem shrub	REMOVE
96	39	TREMBLING ASPEN	Populus tremuloides	18	4	3	3	broken crown	REMOVE
97	21	TREMBLING ASPEN	Populus tremuloides	18	6	2	3	crooked crown	REMOVE
98	14	TREMBLING ASPEN	Populus tremuloides	12	3	3	3	broken crown	REMOVE
99	22	TREMBLING ASPEN	Populus tremuloides	18	5	3	2	ok tree	REMOVE
100	20	TREMBLING ASPEN	Populus tremuloides	18	5	3	2	ok tree	REMOVE
101	11	BLACK WALNUT	Juglans nigra	6	2	1	1	ok tree	REMOVE
102	10	NORTHERN CATALPA	Catalpa speciosa	6	2	1	1	ok tree	REMOVE
103	31	TREMBLING ASPEN	Populus tremuloides	18	5	3	4	poor form	REMOVE
104	28	BLACK WALNUT	Juglans nigra	17	6	2	1	ok tree	REMOVE
105	15	TREMBLING ASPEN	Populus tremuloides	13	4	2	3	vine on it	REMOVE
106	15	TREMBLING ASPEN	Populus tremuloides	12	-	5	5	dead	REMOVE
107	56	NORWAY SPRUCE	Picea abies	24	7	2	4	heart rot, hollow, habitat tree	REMOVE
108	42	NORWAY SPRUCE	Picea abies	20	6	3	3	top broken off	REMOVE
109	29	BASSWOOD	Tilia americana	20	5	1	1	ok tree	REMOVE

Tree No.	DBH (cm)	Common Name	Botanical Name	Ht. (m)	Rad. (m)	Health	Struct.	Notes	Recommendation
110	22	MANITOBA MAPLE	Acer negundo	17	4	3	2	typical for species	REMOVE
111	19	BLACK WALNUT	Juglans nigra	16	4	2	1	ok tree	REMOVE
112	12	MANITOBA MAPLE	Acer negundo	10	2	2	2	typical for species	REMOVE
113	29	BUTTERNUT X	Juglans x bixbyi	12	6	2	2	see bha	REMOVE
114	11	EUROPEAN BUCKTHORN	Rhamnus cathartica	7	3	2	3	large invasive shrub	REMOVE
115	25	MANITOBA MAPLE	Acer negundo	12	6	2	3	typical for species	REMOVE
116	27	MANITOBA MAPLE	Acer negundo	10	4	2	3	typical for species	REMOVE
117	26	BLACK WALNUT	Juglans nigra	16	6	2	1	ok tree	REMOVE
118	99	BUTTERNUT X	Juglans x bixbyi	12	-	5	5	lots of dead wood	REMOVE
119	28	BLACK WALNUT	Juglans nigra	18	5	1	1	ok tree	REMOVE
120	29	BLACK WALNUT	Juglans nigra	18	5	1	2	ok tree	REMOVE
121	15	BLACK WALNUT	Juglans nigra	16	4	1	2	suppressed crown	REMOVE
122	18	BLACK WALNUT	Juglans nigra	16	3	1	1	ok tree	REMOVE
123	12	BLACK WALNUT	Juglans nigra	7	3	2	2	suppressed crown	REMOVE
124	28	BLACK WALNUT	Juglans nigra	18	6	2	2	ok tree	REMOVE
125	22	BLACK WALNUT	Juglans nigra	18	5	2	2	ok tree	REMOVE
126	21	BLACK WALNUT	Juglans nigra	17	5	2	2	ok tree	REMOVE
127	x2	BLACK WALNUT	Juglans nigra	16	5	2	3	2 stems, total dbh41cm	REMOVE
128	68	BLACK WALNUT	Juglans nigra	24	11	3	3	internal rot	REMOVE
129	72	BLACK WALNUT	Juglans nigra	24	10	2	2	ok tree	REMOVE
130	11	BLACK WALNUT	Juglans nigra	8	2	1	1	ok tree	REMOVE
131	19	BLACK WALNUT	Juglans nigra	12	3	2	1	ok tree	REMOVE

Tree No.	DBH (cm)	Common Name	Botanical Name	Ht. (m)	Rad. (m)	Health	Struct.	Notes	Recommendation
132	12	BLACK WALNUT	Juglans nigra	9	3	1	2	ok tree	REMOVE
133	80	NORTHERN CATALPA	Catalpa speciosa	21	7	2	2	ok tree	REMOVE
134	20	NORTHERN CATALPA	Catalpa speciosa	14	4	2	2	ok	REMOVE
135	19	MANITOBA MAPLE	Acer negundo	10	4	2	3	typical for species	REMOVE
136	17	BLACK WALNUT	Juglans nigra	14	4	2	2	girdling wire	REMOVE
137	20	BURR OAK	Quercus macrocarpa	16	4	2	2	ok tree	REMOVE
138	18	BLACK WALNUT	Juglans nigra	14	3	1	2	ok tree	REMOVE
139	22	NORTHERN CATALPA	Catalpa speciosa	13	4	2	2	ok tree	REMOVE
140	19	BURR OAK	Quercus macrocarpa	14	3	2	1	ok tree	REMOVE
141	25	BLACK WALNUT	Juglans nigra	16	5	2	1	ok tree	REMOVE
142	30	BLACK WALNUT	Juglans nigra	19	6	2	2	ok tree	REMOVE
143	131	NORTHERN CATALPA	Catalpa speciosa	22	8	2	2	cavity hole, unknown extent, habitat tree	REMOVE
144	68	NORTHERN CATALPA	Catalpa speciosa	22	7	2	3	cavity hole, unknown extent, habitat tree	REMOVE
145	124	NORTHERN CATALPA	Catalpa speciosa	22	7	2	2	ok tree	REMOVE
146	24	MANITOBA MAPLE	Acer negundo	8	6 to one side	3	2	typical for species	REMOVE
147	73	NORTHERN CATALPA	Catalpa speciosa	22	7	2	2	ok tree	REMOVE
148	59	BLACK WALNUT	Juglans nigra	23	8	2	2	ok tree	REMOVE
149	11	BLACK WALNUT	Juglans nigra	6	2	1	1	small tree	REMOVE
150	14	BLACK WALNUT	Juglans nigra	10	2	1	1	small tree	REMOVE
151	10	BLACK WALNUT	Juglans nigra	7	3	1	1	ok small tree	REMOVE
152	58	BLACK WALNUT	Juglans nigra	25	10	2	2	ok tree	REMOVE
153	47	BLACK WALNUT	Juglans nigra	22	7	2	2	ok tree	REMOVE

Tree No.	DBH (cm)	Common Name	Botanical Name	Ht. (m)	Rad. (m)	Health	Struct.	Notes	Recommendation
154	51	BURR OAK	Quercus macrocarpa	14	-	5	5	dead	REMOVE
155	28	BLACK WALNUT	Juglans nigra	17	4	2	3	2 stems	REMOVE
156	14	BLACK WALNUT	Juglans nigra	10	2	1	1	ok tree	REMOVE
157	x2	BLACK WALNUT	Juglans nigra	8	3	2	2	2 stems, total dbh 28	REMOVE

Decline Legend: 1=0-10%, 2=11-20%, 3=31-50, 4-51-70, 5=71-90, 6=moribund/dead
Structure Legend: 1=Excellent, 2=Good, 3=Fair, 4=Marginal, 5=Poor