9 Valley Road, 1242, 1250, 1260, and 1270 Gordon Street, Guelph

Tree Preservation Plan

Prepared for:

Tricar Developments Inc.
3800 Colonel Talbot Road,
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NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists

9 Valley Road, 1242, 1250, 1260, and 1270 Gordon Street, Guelph

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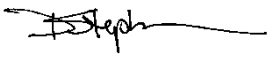

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1.0 Introduction

Natural Resource Solutions Inc. (NRSI) was previously retained in 2014 by the previous landowner to complete a variety of natural heritage studies in support of a development proposal. As part of these studies, NRSI completed a tree inventory of the subject property. Before the development proposal was realized, the property was sold to Tricar Developments Inc. This Tree Preservation Plan represents updated information incorporating the original inventory data with more recent inventory data provided by Stantec Consulting (Stantec Consulting 2020).

NRSI was retained again in October 2019 by Tricar Developments Inc. to complete a Tree Preservation Plan (TPP) for a proposed residential development located at 9 Valley Road, 1242, 1250, and 1260 Gordon Street, in the City of Guelph. This TPP has been updated to align with recent changes to the site plan and grading plan (Stantec 2021), including the acquisition of an adjacent lot to the south (1270 Gordon Street), which will provide lands for an additional infiltration trench. The major updates to this plan are as follows:

- Proposed removal of boundary trees along the northwestern limit, due to a wider, more northern road extent;
- Proposed removal of what were previously boundary trees at the southwestern extent, which is now within the recently acquired lot to the south. These require removal to effectively construct the proposed infiltration trench; and
- Proposed retention of trees within the northeastern park block, understanding that the retention analysis will be refined during detailed design to incorporate a pedestrian path, and perhaps other features.

The subject property is approximately 3.32ha in area and contains 3 existing residential dwellings, driveways, cultural meadows, cultural plantations, and other planted and naturally regenerating trees. The subject property is bound by Gordon Street to the west, residential dwellings fronting Valley Road to the north, the Torrence Creek Swamp Provincially Significant Wetland Complex to the east, and the Liberty Square apartment complex to the south. Mostly rectangular in shape, the subject property includes an additional lot extending north to Valley Road (Map 1).

The Tree Preservation Plan was conducted in accordance with the City of Guelph By-law (2010)-19058. This by-law states that if an owner wishes to destroy or injure a regulated tree

and if none of the exemptions set out in this by-law are applicable, then the owner shall submit the information required in Part 5 of the by-law, including a Landscaping, Replanting and Replacement Plan. Within the By-law, a regulated tree is defined as

> "*a specimen of any species of deciduous or coniferous growing woody perennial plant, supported by a single root system, which has reached, or could have reached a height at least 4.5m from the ground at physiological maturity, is located on a lot that is greater than 0.2 hectares (0.5 acres) in size and has a [Diameter at Breast Height] (DBH) of at least 10cm".*

According to the By-law, the destruction or injury of a regulated tree is exempt from the requirement for a permit if the regulated tree is:

- "*A tree on lands used for Institution, golf course, commercial or industrial purposes, provided that a Tree Management Plan has been submitted to, and approved, by an Inspector, subject to such as the Inspector may have considered necessary" [Part 4, section (k)].*

The City of Guelph's Official Plan (City of Guelph 2018) also requires that a Tree Inventory and Preservation Plan be required for the replacement of all healthy indigenous trees measuring over 10cm DBH.

Section 4.2.4 Tree Inventory and Tree Preservation Plan within the Official Plan notes:

1. *"Tree Inventory and Tree Preservation Plans shall as a minimum include:*
   - *i) A Tree Inventory measuring all trees over 10cm diameter at breast height [DBH], including the size, species composition and health, and indigenous shrubs in accordance with the City's tree inventory guidelines,*
   - *ii) A Tree Preservation Plan identifying healthy indigenous and non-invasive trees to be protected, including those that may be transplanted (e.g. small specimens),*
   - *iii) The protective measures required for tree protection during construction, and*
   - *iv) Measures for avoiding disturbance to any breeding birds during construction"*

This report provides the findings of the tree inventory, analysis of grading, servicing and site plans against the overall health and the potential for structural failure of trees, protection measures for trees to be retained, and recommended mitigation and compensation measures. The tree data and mapping has been compared to the layout of the proposed site plan. Map 2

shows the tree inventory data overlaying the proposed site plan. This plan shows the proposed building layout, and trees inventoried. Avoidance, mitigation, and protection measures for trees were examined to determine which trees would be impacted and which could be retained. In the case of trees requiring removal, compensation for removal is discussed.

This report summarizes the following:

- findings of the tree inventory,
- assessment of overall health and potential for structural failure of inventoried trees,
- tree retention analysis based on the preliminary site plan, and, recommended tree protection, mitigation and compensation measures.

Butternut (*Juglans cinerea*) is Endangered Provincially and is therefore regulated by the Ministry of Environment, Conservation and Parks (MECP). Two Butternuts (JUG-002 & JUG-003) and one Butternut hybrid (JUG-001) are known to occur on the subject property (Map 1). Correspondence and permitting processes have occurred with MECP to facilitate the proposed site plan. A Notice of Activity was submitted to MECP to facilitate the removal of one Butternut (JUG-002) and one Butternut hybrid (JUG-001), and the harm of one Butternut (JUG-002). A tree permit was obtained from the City of Guelph to remove the two Butternuts, which occurred in December 2020. The necessary compensation plantings for these Butternuts as required under the *Endangered Species Act* were installed in the Fall of 2020.

2.0 Tree Inventory and Methodology

Comprehensive inventories of trees ≥10cm in DBH have been completed routinely on the subject property. Since NRSI completed an original tree inventory in 2014, Stantec has completed an updated inventory of all trees on the subject property in 2018 and 2019 (Stantec Consulting 2020). NRSI completed a site visit on December 19, 2019 to verify tree information, and subsequently compiled original NRSI data with the updated information provided by Stantec, accounting for a complete set of tree inventory data. Finally, NRSI completed an inventory of trees on the additional lot to the south (1270 Gordon Street) on May 21, 2021. Some inventories were conducted in the leaf-off period; therefore, NRSI was able to assess the overall health and potential for structural failure of trees within the subject property, but not the foliar characteristics of deciduous individuals. Individual trees that were ≥10cm in DBH were tagged with a pre-numbered aluminum forestry tag (if located on the subject property) and assessed by a Certified Arborist. If trees were present in monoculture hedgerow features, a polygon method was used. The location of trees inventoried was surveyed using an SXBlue II GNSS GPS unit by the Certified Arborist and are shown on Map 2. A complete list of the trees that were assessed and their overall health and potential for structural failure is included in Appendix I. No bat habitat assessments were completed in conjunction with the tree assessments.

The following information was recorded for each tree:

- species,
- DBH,
- crown radius (metres),
- general health (excellent, good, fair, poor, very poor, dead),
- potential for structural failure (improbable, possible, probable, imminent),
- tree location (on-site/boundary/off-site), and,
- general comments (i.e. disease, aesthetic quality, development constraints, sensitivity to development).

The overall health and potential for structural failure of each tree was assessed based on the criteria outlined in Appendix II (Dunster 2009) (Dunster et al. 2013). NRSI has exercised a reasonable standard of care, skill and diligence as would be customarily and normally provided in carrying out these assessments. The assessments have been made using accepted arboricultural techniques. These include a visual examination of each tree for structural defects,

scars, external indications of decay such as fungal fruiting bodies, evidence of insect attack, the condition of any visible root structures, the degree and direction of lean (if any), the general condition of the tree(s) and the surrounding site, and the current or planned proximity of property and people. None of the trees examined on the property were dissected, cored, probed, or climbed and detailed root crown examinations involving excavation were not undertaken. The conditions for this assessment, including restrictions, professional responsibility, and third-party liability can be found in Appendix III.

3.0 Summary of Tree Inventory Findings

In total, 714 trees were inventoried, comprising 39 species. Of the trees inventoried and assessed, 482 (67.5%) are native species and 232 (32.5%) are non-native. Several Eastern White Cedar (*Thuja occidentalis*) hedgerows are present, as well as a hedgerow each of Freeman's Maple (*Acer* X *freemanii*) and Norway Spruce (*Picea abies*). These trees were inventoried as groups (Polygon A-F) due to the similarity of species, location, age and conditions. A complete list of trees inventoried is provided in Appendix I, with summarizing tables in Appendix IV. Tree locations within and adjacent to the subject property are shown on Map 2.

4.0 Tree Protection Measures and Recommended Mitigation

Tree removal and retention was based on two considerations:

1) Trees identified as having a probable or imminent potential for structural failure or poor or very poor health, or identified as dead: The removal of these trees may be recommended for safety, especially if they are located within striking distance of a component of the proposed development, or existing off-site pathways, roads or buildings.
2) Trees that require removal based on the extent of proposed site grading: The location of the trees was compared to the location of the components of the grading plan, as shown on Map 2 (Stantec 2021).

Of the 714 trees inventoried, 583 are anticipated to be removed (compared to 606 on the previous submission). An additional 41 Eastern White Cedars are present in Polygon A that will be retained where they occur within the protected park block (Map 2). These trees will be inventoried individually and assessed as part of the Detailed Design of this area, through further correspondence with the City of Guelph. This includes trees situated along the grading limit or in close proximity that may incur root damage as a result of grading. Most of these trees are in fair health with an improbable potential for structural failure, and range in size from 10cm DBH to 105cm DBH.

Several boundary trees are proposed for removal, which are in-part owned by private landowners to the north of the subject property. NRSI is not aware of any existing written consent from these landowners at this time. Removal of boundary, off-site and municipal trees will require the written permission of all owners involved. If the main stem of any tree is located on multiple properties, all owners of those properties must be consulted before any tree removal occurs. This includes damage to the root zones of boundary trees that may be considered damage to property.

5.0 Tree Compensation Plan

Section 5 (h) in the City's tree by-law (2010)-19058 states that "where three or more trees are proposed for Destruction or Injuring, and where the Inspector so requires, a Landscaping, Replanting and Replacement Plan" is required. Overall compensation for tree loss is a requirement of the City's by-law which notes that "each tree Destroyed or Injured be replaced with one or more replacements trees to be planted and maintained to the satisfaction of the Inspector in accordance with the Landscaping, Replanting and Replacement Plans approved by the Inspector" [Section 7 (b)].

According to City of Guelph Tree By-law Number (2010)-19058, trees exempt from compensation must have the following site-specific criteria:

"A tree having no living tissue, having 70% or more of its crown dead, or being infected by a lethal pathogen, fungus or insect (including the Emerald Ash Borer or the Asian Long-horned Beetle), and where required, a certificate issued by an Arborist, confirming this justification for Destruction or Injuring, has been submitted to an Inspector" [Part 4, section (a)],

"A tree which is Hazardous, and where required, a certificate issued by an Arborist, confirming this justification for Destruction or Injuring, has been submitted to an Inspector" [Part 4, section (b)]

"A specimen of *Rhamnus cathartica* (Common Buckthorn), *Rhamnus frangula* (Glossy Buckthorn), *Alnus glutinosa* (Black Alder), *Elaeagnus umbellata* (Autumn Olive), or *Morus alba* (White Mulberry)" [Part 4, section (g)],

"A fruit tree that is capable of producing fruit for human consumption" [Part 4, section (h)].

A total of 3 trees require removal based on their structural integrity, and an additional 8 trees are also in poor or very poor health. Table 1 provides a summary of the trees inventoried throughout and adjacent to the property, total number proposed for removal and the proposed compensation plan. Note that these numbers will require further assessment at the detailed design stage to accommodate for the proposed partial removal of Polygon A, the development of detailed plans for the park block, and the creation of City-owned trails, in cooperation with the City of Guelph. A complete list of inventoried trees, including a determination of whether trees require compensation, is provided in Appendix I.

Table 1. Preliminary Compensation Plan

Trees Inventoried	Total
Total number of trees inventoried	714
Off-property Trees	3
Public ROW Trees	3
Boundary Trees	19
On-Site Trees	689
Trees to be Removed	
Total trees to be removed	583
Total trees to be removed in fair-good condition (requiring compensation)	491
Total trees to be removed due to their health (exempt from compensation)	92
Trees Requiring Compensation	
Total trees requiring compensation	491
Fair-good quality on-site trees to be removed due to development	481
Fair-good quality off-site or boundary private trees proposed to be removed due to development	8
Fair-good quality public trees to be removed due to development	2
Trees requiring compensation (private)	489
Trees requiring compensation (ROW)	2
Trees in Polygon A, to be partially removed (explored at detailed design)	41

Compensation may be in the form of 3:1 replacement 60mm caliper trees, $500 cash-in-lieu value, 5:1 shrubs, or 5:1 of smaller stock trees (to be determined at the detailed design stage). Most likely, a combination of these methods will be used. Other compensation measures may be discussed with the City, and should be finalized in the Detailed Design stage. The retention analysis should also be refined at the Detailed Design stage, and will account for the loss of a portion of the 41 trees in Polygon A, as well as other trees required to effectively install amenity features to the park block and for the creation of trails.

6.0 Tree Protection Measures and Recommended Mitigation

6.1 Prior to Construction

Temporary tree protection fencing (TPF) will be situated where trees are adjacent to the limit of disturbance/grading as shown on Map 2. The temporary TPF will be installed and maintained by the Developer. Prior to any construction activities (rough grading, vegetation and tree removal), the TPF will be installed at the limit of development. Prior to works commencing on-site, fence installation and location is to be inspected by a Certified Arborist and/or the on-site Environmental Inspector. Signage indicating the purpose of protection fencing will be attached to the paige-wire fencing every 100-150m. Recommended fencing locations are along the property edge, as shown on Map 2.

The Tree Protection Plan is to be reviewed and approved by the City of Guelph. Upon approval of the Tree Protection Plan, and prior to any on-site works (i.e. rough grading, tree removal), a qualified environmental consultant is to submit written verification to the City that all of the recommended tree protection measures have been installed in accordance with the Tree Protection Plan.

6.2 During Construction

Temporary TPF is to be maintained by the Developer during the entire construction period to ensure that off-site trees being retained and their root systems are protected. Any minimal damage (i.e. damage to limbs or roots) to trees to be retained during construction must be pruned using proper arboricultural techniques. Should any of the trees intended to be retained be seriously damaged or die as a result of construction activities, the owner will remove and replace the tree at their own expense at a 3:1 ratio. Replacement species are to be reviewed by a Certified Ontario Landscape Architect (OLA) or Certified Arborist. Watering and pruning of newly planted trees will be carried out by the owner/contractor as required during the warranty period (approximately 2 years).

6.3 Post-Construction

As trees being retained are situated beyond the property line, it is recommended that the temporary tree protection fencing be removed upon completion of all construction activities and adjacent areas are stabilized with a vegetative cover (i.e. sod) to the satisfaction of the Environmental Inspector or qualified biologist.

6.4 Mitigation

Species used for compensation plantings, with the exception of street trees, should be native to Wellington County and not include any species that are listed as introduced, or locally, provincially or federally significant. The use of non-native species that are sometimes more tolerant of urban conditions (i.e. salt and drought tolerant) may be suitable as long as they do not include invasive species such as Norway Maple (*Acer platanoides*) or Sweet Cherry (*Prunus avium*).

It is recommended that the following criteria be followed during the development of proposed planting plans and during the Detailed Design stage, which are to be finalized in an Environmental Implementation Report (EIR):

- Polygon A should be inventoried individually to properly quantify the number of trees to be removed and retained;
- Tree retention within the park block should be reassessed based on City needs and trail design;
- Compensation requirements should be updated to reflect the above items;
- The compensation plan should be developed by, or reviewed and approved by a Certified Arborist;
- Include hardy, native tree species where feasible that are known to thrive in more urban conditions (i.e. compacted soil, drought, high salt tolerance),
- Include a diversity of trees from several genus to increase disease and pest tolerance and discourage monocultures (no more than 30% from a single genus, 10% from a single species),
- Include a watering and monitoring plan for 2 years following planting,
- Be replaced if they are documented to have died within the 2-year monitoring plan,
- Be spaced so as to allow material to reach its ultimate size and form;
- Be provided with appropriate soil types and soil volumes;
- Avoid ash species due to the risk of the emerald ash borer (*Agrilus planipen*nis),
- Avoid ‘messy trees’, such as fruiting trees or poplars (*Populus* spp.) where plantings occur in close proximity to driveways and roadways;
- Spacing of plant material should account for the ultimate size and form of the selected species and also the purpose of the planting, whether it be for screening, shade, naturalizing, rehabilitation, etc.; and

- Special attention to location and height of trees in proximity to utilities.

7.0 References

City of Guelph. 2010. The Official Plan of The City of Guelph By-law Number (2010)-19058.

City of Guelph. 2018. The City of Guelph Official Plan, March 2018 Consolidation. (https://guelph.ca/plans-and-strategies/official-plan/).

Dunster, J. A. 2009. Tree Risk Assessment in Urban Areas and the Urban/Rural Interface: Course Manual. Pacific Northwest Chapter, International Society of Arboriculture, Silverton, Oregon.

Dunster, J. A., E. T. Smiley, N. Matheny, and S. Lily. 2013. Tree Risk Assessment Manual. International Society of Arboriculture, Champaign, Illinois.

Stantec Consulting. 2021. 9 Valley Road, 1242, 1250, and 1260 Gordon Street Tree Inventory Data.

Appendix I
Tree Inventory Data

1250 Gordon Street Tree Preservation Plan

Tree Inventory Data

No. of Trees	Tree Number	Common Name	Scientific Name	Native/ Non-native	Stem Count	DBH (cm)	Crown Radius (m)	Potential for Structural Failure Rating	Overall Condition	Location	Proposed Action	Comments
1	A	Freeman's Maple	*Acer X freemanii*	Native	1	75	7.0	Medium	Fair	Subject Property	Remove	
1	B	Eastern White Cedar	*Thuja occidentalis*	Native	1	16	1.0	Low	Fair	Subject Property	Remove	
1	C	Eastern Cottonwood	*Populus deltoides*	Native	1	17	2.0	Low	Good	Subject Property	Remove	
1	D	Black Walnut	*Juglans nigra*	Native	1	12	0.5	Low	Good	Subject Property	Remove	no tag
1	E	Butternut	*Juglans cinerea*	Native	1	20	4.0	Medium	Fair	Subject Property	Remove	
1	F	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	30	3.0	Low	Good	Subject Property	Retain	off-site, move point 1.5m out
1	G	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	45	4.0	High	Poor	Off-Property	Retain	
1	I	Norway Spruce	*Picea abies*	Non-Native	1	45	5.0	Medium	Fair	Subject Property	Remove	didn't tag since behind low fence
1	J	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	45	3.0	High	Poor	Subject Property	Retain	
41	Polygon A	Norway Spruce	*Picea abies*	Non-Native	1	30	2.0	Low	Good	Subject Property	Retain where Feasible	20 spruce hedge,
207	Polygon B	Eastern White Cedar	*Thuja occidentalis*	Native	1	16	1.0	Low	Fair	Subject Property	Remove	
18	Polygon C	Eastern White Cedar	*Thuja occidentalis*	Native	1	18	2.0	Medium	Fair	Subject Property	Remove	behind fence, 4m south - 10m south
5	Polygon D	Norway Spruce	*Picea abies*	Non-Native	5	34	4.0	Medium	Fair	Subject Property	Remove	
10	Polygon E	Freeman's Maple	*Acer X freemanii*	Native	1	32	4.0	Medium	Fair	Subject Property	Remove	
8	Polygon F	Norway Spruce	*Picea abies*	Non-Native	1	30	3.0	Low	Good	Subject Property	Remove	Hedgerow
1	77	Hawthorn species	*Crataegus sp.*	Native	1	12	2.0	High	Fair	Subject Property	Retain	grapevine weighing down crown, codominant branches
1	78	Hawthorn Species	*Crataegus sp.*	Native	2	12	2.0	Medium	Fair	Subject Property	Retain	codominant branches, grapevine
1	79	White Elm	*Ulmus americana*	Native	1	15	3.5	Low	Good	Subject Property	Retain	leader slightly out of line with stem
1	80	White Elm	*Ulmus americana*	Native	1	16	1.0	High	Dead	Subject Property	Retain	dead, bark and branch loss
1	101	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	65	7.0	Medium	Fair	Boundary	Remove	
1	102	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	46	5.0	Medium	Fair	Subject Property	Remove	on-property, few stress cracks on scaffold branches, 1 dead branch
1	103	White Spruce	*Picea glauca*	Native	1	24	3.0	Medium	Fair	Boundary	Remove	crown uneven due to competition for sunlight with maple
1	104	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	60	6.0	High	Poor	Boundary	Remove	codominant branches with included bark, 40% dieback
1	105	Norway Maple	*Acer platanoides*	Non-Native	1	20	3.5	Medium	Fair	Boundary	Remove	boundary tree
1	106	Manitoba Maple	*Acer negundo*	Native	1	22	4.0	Medium	Fair	Boundary	Remove	boundary tree, stem grows on 90 degree angle before self correcting
1	107	Eastern White Cedar	*Thuja occidentalis*	Native	2	11	1.5	High	Poor	Boundary	Remove	boundary tree, root flare impacted by dumped debris - angled
1	108	Eastern White Cedar	*Thuja occidentalis*	Native	2	10	1.0	Medium	Poor	Boundary	Remove	boundary tree, codominant stems with included bark, root flare impacted - angled
1	109	Black Walnut	*Juglans nigra*	Native	1	21	5.0	Medium	Fair	Subject Property	Remove	boundary tree, codominant branches with included bark
1	110	Eastern White Cedar	*Thuja occidentalis*	Native	1	14	2.5	Medium	Fair	Subject Property	Remove	boundary tree
1	111	Eastern White Cedar	*Thuja occidentalis*	Native	1	23	2.5	Medium	Fair	Subject Property	Remove	boundary tree
1	112	Norway Spruce	*Picea abies*	Non-Native	1	56	4.0	Medium	Fair	Subject Property	Remove	
1	113	Common Pear	*Pyrus communis*	Non-Native	1	27	3.0	High	Very Poor	Subject Property	Remove	open wounds in stem + root flare, lean
1	114	Eastern White Cedar	*Thuja occidentalis*	Native	1	22	2.0	High	Poor	Subject Property	Remove	40% dieback, crown leans 30 degrees
1	115	Eastern White Cedar	*Thuja occidentalis*	Native	1	10	1.0	High	Poor	Subject Property	Remove	
1	116	Eastern White Cedar	*Thuja occidentalis*	Native	1	14	1.0	High	Poor	Subject Property	Remove	

No. of Trees	Tree Number	Common Name	Scientific Name	Native/ Non-native	Stem Count	DBH (cm)	Crown Radius (m)	Potential for Structural Failure Rating	Overall Condition	Location	Proposed Action	Comments
1	117	Eastern White Cedar	*Thuja occidentalis*	Native	1	11	1.0	High	Poor	Subject Property	Remove	
1	118	Eastern White Cedar	*Thuja occidentalis*	Native	2	12	2.0	High	Poor	Subject Property	Remove	wire around stem, secondary vertical branches
1	119	Eastern White Cedar	*Thuja occidentalis*	Native	2	17	1.0	High	Poor	Subject Property	Remove	
1	120	Eastern White Cedar	*Thuja occidentalis*	Native	1	16	2.0	High	Poor	Subject Property	Remove	competition for sunlight
1	121	Eastern White Cedar	*Thuja occidentalis*	Native	1	17	1.5	High	Poor	Subject Property	Remove	
1	122	White Elm	*Ulmus americana*	Native	1	37	5.0	Low	Good	Boundary	Remove	
1	123	Eastern White Cedar	*Thuja occidentalis*	Native	2	14	3.0	Medium	Fair	Subject Property	Remove	codominant stems with included bark
1	124	Eastern White Cedar	*Thuja occidentalis*	Native	1	15	1.0	High	Poor	Boundary	Remove	
1	125	Eastern White Cedar	*Thuja occidentalis*	Native	2	21	3.0	High	Poor	Subject Property	Remove	
1	126	Eastern White Cedar	*Thuja occidentalis*	Native	1	30	3.0	High	Poor	Subject Property	Remove	
1	127	Eastern White Cedar	*Thuja occidentalis*	Native	2	21	3.0	High	Poor	Subject Property	Remove	
1	128	Eastern White Cedar	*Thuja occidentalis*	Native	1	16	1.0	High	Poor	Subject Property	Remove	
1	129	Norway Spruce	*Picea abies*	Non-Native	1	36	4.0	Low	Fair	Subject Property	Remove	
1	130	Eastern White Cedar	*Thuja occidentalis*	Native	1	19	1.5	Medium	Fair	Subject Property	Remove	
1	131	Eastern White Cedar	*Thuja occidentalis*	Native	1	15	2.0	Medium	Fair	Subject Property	Remove	
1	132	Norway Spruce	*Picea abies*	Non-Native	1	16	3.0	High	Poor	Subject Property	Remove	
1	133	Norway Spruce	*Picea abies*	Non-Native	1	28	4.0	Low	Good	Subject Property	Remove	
1	134	Norway Spruce	*Picea abies*	Non-Native	1	38	4.0	Medium	Fair	Subject Property	Remove	
1	135	Norway Spruce	*Picea abies*	Non-Native	1	21	3.0	High	Poor	Subject Property	Remove	
1	136	Common Pear	*Pyrus communis*	Non-Native	1	23	4.0	High	Poor	Subject Property	Remove	open wounds in stem
1	137	Common Apple	*Malus domestica*	Non-Native	3	29	5.0	High	Poor	Subject Property	Remove	2 stems broken off with decay
1	138	Common Apple	*Malus domestica*	Non-Native	1	22	5.0	High	Poor	Subject Property	Remove	wounds on stem compartmentalizing, 2 dead scaffold branches
1	139	Norway Spruce	*Picea abies*	Non-Native	1	51	5.0	Low	Good	Subject Property	Remove	
1	140	Eastern White Cedar	*Thuja occidentalis*	Native	1	15	3.0	Medium	Fair	Subject Property	Remove	
1	141	Eastern White Cedar	*Thuja occidentalis*	Native	4	21	1.5	Medium	Fair	Subject Property	Remove	
1	142	Eastern White Cedar	*Thuja occidentalis*	Native	2	12	2.0	High	Poor	Subject Property	Remove	
1	143	Eastern White Cedar	*Thuja occidentalis*	Native	2	16	2.0	High	Poor	Subject Property	Remove	competition for sunlight
1	144	Eastern White Cedar	*Thuja occidentalis*	Native	1	17	1.0	Medium	Fair	Subject Property	Remove	
1	145	Eastern White Cedar	*Thuja occidentalis*	Native	2	19	3.0	High	Poor	Subject Property	Remove	competition for sunlight
1	146	Eastern White Cedar	*Thuja occidentalis*	Native	2	19	2.0	Medium	Fair	Subject Property	Remove	competition for sunlight
1	147	Common Apple	*Malus domestica*	Non-Native	1	53	5.0	Medium	Fair	Subject Property	Remove	
1	148	Colorado Spruce	*Picea pungens*	Non-Native	1	11	1.5	Low	Excellent	Subject Property	Remove	
1	149	Norway Maple	*Acer platanoides*	Non-Native	1	25	5.0	Medium	Fair	Subject Property	Remove	
1	150	Colorado Spruce	*Picea pungens*	Non-Native	1	10	1.0	High	Dead	Subject Property	Remove	
1	151	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	61	5.0	Medium	Fair	Subject Property	Remove	
1	152	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	53	5.0	Medium	Fair	Subject Property	Remove	
1	153	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	64	5.0	High	Poor	Subject Property	Remove	50% dieback
1	154	White Ash	*Fraxinus americana*	Native	1	23	4.0	Low	Good	Subject Property	Remove	
1	155	Norway Spruce	*Picea abies*	Non-Native	1	43	3.0	Low	Good	Subject Property	Remove	
1	156	Eastern White Cedar	*Thuja occidentalis*	Native	2	24	4.0	Medium	Fair	Subject Property	Remove	
1	157	Eastern White Cedar	*Thuja occidentalis*	Native	1	15	1.5	High	Poor	Subject Property	Remove	
1	158	Norway Spruce	*Picea abies*	Non-Native	1	45	4.0	Low	Good	Subject Property	Remove	
1	159	Norway Spruce	*Picea abies*	Non-Native	1	40	4.0	Low	Good	Subject Property	Remove	
1	160	Norway Spruce	*Picea abies*	Non-Native	1	32	2.0	Medium	Fair	Subject Property	Remove	
1	161	Eastern White Cedar	*Thuja occidentalis*	Native	3	18	3.5	High	Dead	Subject Property	Remove	
1	162	Eastern White Cedar	*Thuja occidentalis*	Native	2	19	2.0	High	Dead	Subject Property	Remove	
1	163	Norway Spruce	*Picea abies*	Non-Native	1	38	4.0	Low	Good	Subject Property	Remove	

No. of Trees	Tree Number	Common Name	Scientific Name	Native/ Non-native	Stem Count	DBH (cm)	Crown Radius (m)	Potential for Structural Failure Rating	Overall Condition	Location	Proposed Action	Comments
1	164	Eastern White Cedar	*Thuja occidentalis*	Native	1	16	2.0	Medium	Fair	Subject Property	Remove	
1	165	Norway Spruce	*Picea abies*	Non-Native	1	29	3.0	Low	Good	Subject Property	Remove	
1	166	Norway Spruce	*Picea abies*	Non-Native	1	36	3.5	Medium	Fair	Subject Property	Remove	
1	167	Norway Spruce	*Picea abies*	Non-Native	1	15	2.0	Medium	Fair	Subject Property	Remove	
1	168	Norway Spruce	*Picea abies*	Non-Native	1	40	4.0	Low	Good	Subject Property	Remove	
1	169	Norway Spruce	*Picea abies*	Non-Native	1	14	1.0	High	Dead	Subject Property	Remove	
1	170	Norway Spruce	*Picea abies*	Non-Native	1	28	3.5	Medium	Fair	Subject Property	Remove	
1	171	Norway Spruce	*Picea abies*	Non-Native	1	25	5.0	Medium	Fair	Subject Property	Remove	
1	172	Norway Spruce	*Picea abies*	Non-Native	1	27	3.0	Medium	Fair	Subject Property	Remove	
1	173	Siberian Elm	*Ulmus pumila*	Non-Native	1	52	8.0	Medium	Fair	Boundary	Remove	crown leans 70 degree angle
1	174	European Weeping Birch	*Betula pendula*	Non-Native	2	26	4.0	Medium	Fair	Public	Remove	
1	175	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	43	6.0	Medium	Fair	Public	Remove	
1	176	Honey Locust	*Gleditsia triacanthos*	Native	1	40	6.0	Medium	Fair	Public	Retain	
1	177	Honey Locust	*Gleditsia triacanthos*	Native	1	21	5.0	Medium	Fair	Off-Property	Retain	
1	178	Honey Locust	*Gleditsia triacanthos*	Native	1	14	4.0	Medium	Fair	Off-Property	Retain	
1	179	Norway Spruce	*Picea abies*	Non-Native	1	41	4.0	Medium	Fair	Boundary	Retain	
1	180	Norway Maple	*Acer platanoides*	Non-Native	1	67	6.0	High	Poor	Boundary	Retain	numerous large cracks in stem and branches
1	181	Tamarack	*Larix laricina*	Native	1	30	4.0	Medium	Fair	Boundary	Remove	
1	182	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	53	7.0	Medium	Fair	Subject Property	Remove	
1	183	Norway Maple	*Acer platanoides*	Non-Native	1	51	7.0	Medium	Fair	Subject Property	Remove	hanger, 10% dieback
1	184	American Basswood	*Tilia americana*	Native	3	42	6.0	Medium	Fair	Subject Property	Remove	10% dieback
1	185	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	17	4.0	Low	Good	Boundary	Remove	
1	186	Linden	*Tilia sp.*	Non-Native	1	28	5.0	Medium	Fair	Subject Property	Remove	
1	187	Common Apple	*Malus domestica*	Non-Native	1	44	4.0	High	Poor	Subject Property	Remove	
1	188	Linden	*Tilia sp.*	Non-Native	1	19	3.0	Medium	Fair	Subject Property	Remove	
1	189	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	47	5.0	Medium	Fair	Subject Property	Remove	
1	190	Eastern White Cedar	*Thuja occidentalis*	Native	1	12	1.0	Low	Good	Subject Property	Remove	
1	191	Eastern White Cedar	*Thuja occidentalis*	Native	2	20	1.0	Medium	Fair	Subject Property	Remove	
1	192	Eastern White Cedar	*Thuja occidentalis*	Native	3	16	2.0	Medium	Fair	Subject Property	Remove	
1	193	Norway Spruce	*Picea abies*	Non-Native	1	50	3.5	Low	Excellent	Subject Property	Remove	
1	194	Norway Spruce	*Picea abies*	Non-Native	1	52	3.0	Low	Good	Subject Property	Remove	
1	195	Linden	*Tilia sp.*	Non-Native	1	22	3.5	Medium	Fair	Subject Property	Remove	
1	196	Norway Spruce	*Picea abies*	Non-Native	1	35	3.0	Low	Excellent	Subject Property	Remove	
1	197	Linden	*Tilia sp.*	Non-Native	1	23	4.0	Medium	Fair	Subject Property	Remove	
1	198	Norway Spruce	*Picea abies*	Non-Native	1	39	3.0	Low	Excellent	Subject Property	Remove	
1	199	Linden	*Tilia sp.*	Non-Native	1	13	3.0	Medium	Fair	Subject Property	Remove	
1	200	Norway Spruce	*Picea abies*	Non-Native	1	34	3.0	Low	Good	Subject Property	Remove	
1	201	Norway Spruce	*Picea abies*	Non-Native	1	41	5.0	Medium	Fair	Subject Property	Remove	
1	202	Norway Spruce	*Picea abies*	Non-Native	1	19	2.0	High	Poor	Subject Property	Remove	
1	203	Norway Spruce	*Picea abies*	Non-Native	2	14	1.0	High	Dead	Subject Property	Remove	
1	204	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	52	7.0	Medium	Fair	Subject Property	Remove	
1	205	Norway Spruce	*Picea abies*	Non-Native	1	15	1.5	Medium	Fair	Subject Property	Remove	
1	206	Norway Spruce	*Picea abies*	Non-Native	1	15	2.0	Medium	Fair	Subject Property	Remove	
1	207	Norway Spruce	*Picea abies*	Non-Native	2	21	2.0	Medium	Poor	Subject Property	Remove	
1	208	Norway Spruce	*Picea abies*	Non-Native	1	27	3.0	Medium	Fair	Subject Property	Remove	
1	209	Norway Spruce	*Picea abies*	Non-Native	1	23	2.0	Medium	Poor	Subject Property	Remove	
1	210	Scots Pine	*Pinus sylvestris*	Non-Native	1	36	4.0	High	Poor	Subject Property	Remove	
1	211	Common Apple	*Malus domestica*	Non-Native	1	37	6.0	Medium	Fair	Subject Property	Remove	behind low fence

No. of Trees	Tree Number	Common Name	Scientific Name	Native/ Non-native	Stem Count	DBH (cm)	Crown Radius (m)	Potential for Structural Failure Rating	Overall Condition	Location	Proposed Action	Comments
1	212	Norway Spruce	*Picea abies*	Non-Native	1	32	4.0	Low	Good	Subject Property	Remove	
1	213	Norway Spruce	*Picea abies*	Non-Native	1	24	3.0	Medium	Fair	Subject Property	Remove	
1	214	Norway Spruce	*Picea abies*	Non-Native	1	36	4.0	Low	Good	Subject Property	Remove	
1	215	Norway Spruce	*Picea abies*	Non-Native	1	41	4.0	Low	Good	Subject Property	Remove	
1	216	Scots Pine	*Pinus sylvestris*	Non-Native	1	38	4.0	Medium	Fair	Subject Property	Remove	
1	217	Norway Spruce	*Picea abies*	Non-Native	1	26	2.0	Medium	Fair	Subject Property	Remove	
1	218	Norway Maple	*Acer platanoides*	Non-Native	1	40	4.0	Medium	Fair	Subject Property	Remove	
1	219	Norway Spruce	*Picea abies*	Non-Native	1	31	3.0	Medium	Fair	Subject Property	Remove	
1	220	Norway Spruce	*Picea abies*	Non-Native	1	32	3.0	Low	Good	Subject Property	Remove	
1	221	Norway Spruce	*Picea abies*	Non-Native	1	31	3.0	Medium	Fair	Subject Property	Remove	
1	222	Norway Spruce	*Picea abies*	Non-Native	1	43	3.0	Medium	Fair	Subject Property	Remove	
1	223	Norway Spruce	*Picea abies*	Non-Native	1	35	3.0	Medium	Fair	Subject Property	Remove	
1	224	Norway Spruce	*Picea abies*	Non-Native	1	31	3.0	High	Dead	Subject Property	Remove	
1	225	Black Walnut	*Juglans nigra*	Native	1	42	4.0	High	Poor	Subject Property	Remove	
1	226	Pine Species	*Pinus sp.*	Non-Native	3	18	3.0	Medium	Fair	Subject Property	Remove	
1	227	Black Walnut	*Juglans nigra*	Native	1	65	6.0	Medium	Fair	Subject Property	Remove	
1	228	Scots Pine	*Pinus sylvestris*	Non-Native	1	53	6.0	High	Poor	Subject Property	Remove	
1	229	Norway Spruce	*Picea abies*	Non-Native	1	31	3.0	Medium	Fair	Subject Property	Remove	
1	230	Freeman's Maple	*Acer X freemanii*	Native	1	56	6.0	Medium	Fair	Subject Property	Remove	
1	231	Scots Pine	*Pinus sylvestris*	Non-Native	1	42	3.0	Low	Good	Subject Property	Remove	
1	233	Scots Pine	*Pinus sylvestris*	Non-Native	1	29	2.5	Low	Good	Subject Property	Retain	
1	235	Scots Pine	*Pinus sylvestris*	Non-Native	1	23	3.0	Medium	Fair	Subject Property	Remove	
1	236	Scots Pine	*Pinus sylvestris*	Non-Native	1	15	2.5	Low	Good	Subject Property	Retain	
1	237	Scots Pine	*Pinus sylvestris*	Non-Native	1	16	2.5	Medium	Fair	Subject Property	Retain	
1	238	Scots Pine	*Pinus sylvestris*	Non-Native	2	19	3.0	Medium	Fair	Subject Property	Remove	
1	239	Scots Pine	*Pinus sylvestris*	Non-Native	1	11	1.0	Medium	Good	Subject Property	Retain	
1	240	Scots Pine	*Pinus sylvestris*	Non-Native	1	14	2.0	Medium	Fair	Subject Property	Retain	
1	241	Scots Pine	*Pinus sylvestris*	Non-Native	1	11	1.0	Low	Good	Subject Property	Retain	
1	242	Scots Pine	*Pinus sylvestris*	Non-Native	1	12	1.0	Medium	Fair	Subject Property	Remove	
1	243	Scots Pine	*Pinus sylvestris*	Non-Native	1	20	3.0	Medium	Fair	Subject Property	Remove	
1	244	Scots Pine	*Pinus sylvestris*	Non-Native	1	17	2.0	Low	Good	Subject Property	Remove	
1	245	Scots Pine	*Pinus sylvestris*	Non-Native	1	23	2.0	Low	Good	Subject Property	Remove	
1	246	Black Walnut	*Juglans nigra*	Native	1	21	3.5	Medium	Fair	Subject Property	Remove	
1	247	Norway Spruce	*Picea abies*	Non-Native	1	20	2.0	Low	Excellent	Subject Property	Remove	
1	248	White Spruce	*Picea glauca*	Native	1	12	1.5	Low	Excellent	Subject Property	Remove	
1	249	White Spruce	*Picea glauca*	Native	1	12	1.5	Low	Good	Subject Property	Remove	
1	250	Eastern White Cedar	*Thuja occidentalis*	Native	1	14	1.5	Low	Good	Subject Property	Remove	
1	251	Eastern White Cedar	*Thuja occidentalis*	Native	1	22	2.0	Low	Good	Subject Property	Remove	
1	252	Black Walnut	*Juglans nigra*	Native	1	10	1.5	Medium	Fair	Subject Property	Remove	
1	253	Scots Pine	*Pinus sylvestris*	Non-Native	1	13	1.5	Low	Good	Subject Property	Remove	
1	254	Scots Pine	*Pinus sylvestris*	Non-Native	1	17	2.0	Low	Good	Subject Property	Remove	
1	255	Common Pear	*Pyrus communis*	Non-Native	3	12	1.0	High	Poor	Subject Property	Remove	
1	256	Scots Pine	*Pinus sylvestris*	Non-Native	1	30	2.5	Low	Good	Subject Property	Remove	
1	257	Scots Pine	*Pinus sylvestris*	Non-Native	1	21	2.5	Low	Good	Subject Property	Remove	
1	258	Common Pear	*Pyrus communis*	Non-Native	2	16	2.5	Medium	Poor	Subject Property	Remove	
1	259	Common Apple	*Malus domestica*	Non-Native	3	32	4.0	Medium	Poor	Subject Property	Remove	1 cavity, sapsucker feeding
1	260	Black Maple	*Acer saccharum ssp. nigrum*	Native	1	14	3.0	High	Poor	Subject Property	Remove	
1	261	Green Ash	*Fraxinus pennsylvanica*	Native	1	27	5.0	Low	Good	Subject Property	Remove	

No. of Trees	Tree Number	Common Name	Scientific Name	Native/ Non-native	Stem Count	DBH (cm)	Crown Radius (m)	Potential for Structural Failure Rating	Overall Condition	Location	Proposed Action	Comments
1	262	Butternut	*Juglans cinerea*	Native	1	28	5.0	Medium	Fair	Subject Property	Remove	
1	263	Green Ash	*Fraxinus pennsylvanica*	Native	1	23	3.0	Medium	Poor	Subject Property	Remove	
1	264	Green Ash	*Fraxinus pennsylvanica*	Native	1	10	2.0	Low	Fair	Subject Property	Remove	
1	265	White Spruce	*Picea glauca*	Native	1	23	3.0	Medium	Fair	Subject Property	Remove	
1	266	Black Maple	*Acer saccharum ssp. nigrum*	Native	1	105	9.0	High	Poor	Subject Property	Remove	
1	267	Green Ash	*Fraxinus pennsylvanica*	Native	1	12	2.0	Low	Good	Subject Property	Remove	
1	268	Black Maple	*Acer saccharum ssp. nigrum*	Native	1	19	4.0	High	Poor	Subject Property	Remove	
1	269	Black Maple	*Acer saccharum ssp. nigrum*	Native	1	12	2.0	High	Poor	Subject Property	Remove	
1	270	Black Maple	*Acer saccharum ssp. nigrum*	Native	1	11	2.5	High	Poor	Subject Property	Remove	
1	271	Red Oak	*Quercus rubra*	Native	1	52	7.0	Medium	Fair	Subject Property	Remove	
1	272	Red Oak	*Quercus rubra*	Native	1	20	2.0	High	Very Poor	Subject Property	Remove	
1	273	Red Oak	*Quercus rubra*	Native	1	23	5.0	Medium	Fair	Subject Property	Remove	
1	274	Red Oak	*Quercus rubra*	Native	1	13	1.5	Low	Good	Subject Property	Remove	
1	276	Red Oak	*Quercus rubra*	Native	1	65	8.0	Low	Fair	Subject Property	Remove	
1	277	Red Oak	*Quercus rubra*	Native	1	18	4.0	Low	Fair	Subject Property	Remove	
1	278	Red Oak	*Quercus rubra*	Native	1	21	4.0	Medium	Fair	Subject Property	Remove	
1	279	Red Oak	*Quercus rubra*	Native	1	13	4.0	Medium	Fair	Subject Property	Remove	
1	280	Red Oak	*Quercus rubra*	Native	1	11	2.0	Medium	Fair	Subject Property	Remove	
1	281	Norway Spruce	*Picea abies*	Non-Native	1	10	1.0	High	Dead	Subject Property	Remove	
1	282	Red Oak	*Quercus rubra*	Native	1	65	8.0	Medium	Fair	Subject Property	Remove	
1	283	Norway Spruce	*Picea abies*	Non-Native	1	16	2.5	Medium	Poor	Subject Property	Remove	
1	284	Norway Spruce	*Picea abies*	Non-Native	1	18	4.0	Medium	Fair	Subject Property	Remove	
1	285	Norway Spruce	*Picea abies*	Non-Native	1	23	3.0	Medium	Fair	Subject Property	Remove	
1	286	Norway Spruce	*Picea abies*	Non-Native	1	16	2.5	Medium	Fair	Subject Property	Remove	
1	287	Norway Spruce	*Picea abies*	Non-Native	1	18	1.5	Medium	Poor	Subject Property	Remove	
1	288	Norway Spruce	*Picea abies*	Non-Native	1	13	1.5	Medium	Poor	Subject Property	Remove	
1	289	American Basswood	*Tilia americana*	Native	1	25	4.0	Medium	Fair	Subject Property	Remove	
1	290	Norway Spruce	*Picea abies*	Non-Native	1	11	1.5	Medium	Fair	Subject Property	Remove	
1	291	Norway Spruce	*Picea abies*	Non-Native	1	35	5.0	Low	Good	Subject Property	Remove	
1	292	Norway Spruce	*Picea abies*	Non-Native	1	15	1.0	Medium	Fair	Subject Property	Remove	slight lean
1	293	Norway Spruce	*Picea abies*	Non-Native	1	35	3.5	Low	Good	Subject Property	Remove	
1	294	Norway Spruce	*Picea abies*	Non-Native	1	27	3.0	High	Poor	Subject Property	Remove	
1	295	Norway Maple	*Acer platanoides*	Non-Native	2	19	3.0	High	Poor	Subject Property	Remove	
1	296	Norway Spruce	*Picea abies*	Non-Native	1	32	4.0	Low	Good	Subject Property	Remove	
1	297	Norway Spruce	*Picea abies*	Non-Native	1	40	4.0	Low	Good	Subject Property	Remove	
1	298	Fir species	*Abies sp.*	Non-Native	1	37	4.0	Medium	Fair	Subject Property	Remove	
1	299	Balsam Fir	*Abies balsamea*	Native	1	15	2.0	Low	Good	Subject Property	Remove	
1	300	Black Walnut	*Juglans nigra*	Native	1	12	1.5	Low	Good	Subject Property	Remove	
1	301	Norway Spruce	*Picea abies*	Non-Native	1	31	3.0	Low	Good	Subject Property	Remove	
1	302	Crack Willow	*Salix fragilis*	Non-Native	1	73	5.0	High	Poor	Subject Property	Remove	unsuitable bat cavities at old branch unions - frass, decay
1	303	Red Maple	*Acer rubrum*	Native	1	12	1.0	High	Dead	Subject Property	Remove	
1	304	White Elm	*Ulmus americana*	Native	1	11	4.0	High	Poor	Subject Property	Remove	
1	305	Manitoba Maple	*Acer negundo*	Native	1	10	2.0	High	Poor	Subject Property	Remove	grapevine throughout crown, 40% dieback
1	306	Manitoba Maple	*Acer negundo*	Native	1	17	2.0	High	Poor	Subject Property	Remove	epicormic shoots, grapevine, 30% dieback
1	307	Black Walnut	*Juglans nigra*	Native	1	11	2.0	Low	Good	Subject Property	Remove	
1	310	White Elm	*Ulmus americana*	Native	2	10	4.0	High	Fair	Subject Property	Remove	
1	311	White Elm	*Ulmus americana*	Native	1	16	1.5	Medium	Fair	Subject Property	Remove	

No. of Trees	Tree Number	Common Name	Scientific Name	Native/ Non-native	Stem Count	DBH (cm)	Crown Radius (m)	Potential for Structural Failure Rating	Overall Condition	Location	Proposed Action	Comments
1	312	White Elm	*Ulmus americana*	Native	1	33	4.0	High	Poor	Subject Property	Remove	on-property
1	313	White Elm	*Ulmus americana*	Native	1	25	3.5	Medium	Fair	Subject Property	Remove	on-property
1	314	Black Walnut	*Juglans nigra*	Native	1	10	3.0	Low	Good	Subject Property	Retain	
1	315	Black Walnut	*Juglans nigra*	Native	1	14	3.0	Low	Good	Subject Property	Retain	
1	316	Black Walnut	*Juglans nigra*	Native	1	14	3.0	Low	Good	Subject Property	Retain	
1	317	White Elm	*Ulmus americana*	Native	1	19	2.5	Medium	Fair	Subject Property	Retain	
1	318	Black Walnut	*Juglans nigra*	Native	1	49	6.0	Low	Good	Subject Property	Remove	
1	319	White Elm	*Ulmus americana*	Native	1	15	3.0	High	Dead	Subject Property	Remove	
1	320	Black Walnut	*Juglans nigra*	Native	1	62	7.0	Medium	Fair	Subject Property	Retain	codominant branches with included bark, few small branches previously lost
1	321	White Elm	*Ulmus americana*	Native	1	13	3.0	Medium	Fair	Subject Property	Retain	epicormic shoots, leans 45 degrees
1	322	White Elm	*Ulmus americana*	Native	1	12	3.0	High	Dead	Subject Property	Remove	leans on 45 degree angle
1	323	White Elm	*Ulmus americana*	Native	1	31	3.0	High	Dead	Subject Property	Remove	
1	324	Black Walnut	*Juglans nigra*	Native	1	15	2.5	Low	Good	Subject Property	Retain	
1	325	Black Walnut	*Juglans nigra*	Native	1	11	2.0	High	Poor	Subject Property	Remove	40% dieback
1	326	White Elm	*Ulmus americana*	Native	1	18	3.0	Medium	Good	Subject Property	Retain	
1	327	Black Walnut	*Juglans nigra*	Native	1	12	2.0	Medium	Fair	Subject Property	Retain	
1	328	Black Walnut	*Juglans nigra*	Native	1	12	3.0	Medium	Fair	Subject Property	Retain	
1	329	Black Walnut	*Juglans nigra*	Native	1	26	3.0	Medium	Fair	Subject Property	Retain	boundary tree
1	330	White Elm	*Ulmus americana*	Native	1	31	5.0	Medium	Fair	Subject Property	Remove	
1	331	White Elm	*Ulmus americana*	Native	1	14	3.0	Medium	Fair	Subject Property	Remove	
1	332	Hawthorn Species	*Crataegus sp.*	Native	1	14	2.0	High	Poor	Subject Property	Remove	
1	333	White Elm	*Ulmus americana*	Native	1	10	2.0	Medium	Fair	Subject Property	Remove	
1	334	Scots Pine	*Pinus sylvestris*	Non-Native	1	15	1.0	High	Poor	Subject Property	Remove	
1	335	Black Walnut	*Juglans nigra*	Native	1	26	3.0	Medium	Fair	Subject Property	Retain	
1	336	Eastern Red Cedar	*Juniperus virginiana*	Native	2	14	1.5	Medium	Fair	Subject Property	Retain	
1	337	Black Walnut	*Juglans nigra*	Native	1	17	3.0	Medium	Fair	Subject Property	Remove	
1	338	White Elm	*Ulmus americana*	Native	1	11	3.0	Medium	Fair	Subject Property	Retain	1 large vine in crown - may impact health, 1 dead branch, crown leans
1	339	White Elm	*Ulmus americana*	Native	1	14	2.0	High	Dead	Subject Property	Remove	
1	340	Black Walnut	*Juglans nigra*	Native	1	11	2.0	High	Poor	Subject Property	Remove	
1	341	Black Cherry	*Prunus serotina*	Native	2	15	2.0	High	Poor	Subject Property	Retain	boundary tree
1	342	Manitoba Maple	*Acer negundo*	Native	1	36	6.0	High	Poor	Subject Property	Retain	codominant branches with included bark
1	343	Black Cherry	*Prunus serotina*	Native	1	37	6.0	High	Dead	Subject Property	Remove	should be removed
1	344	Black Walnut	*Juglans nigra*	Native	1	11	2.0	High	Poor	Subject Property	Remove	
1	345	White Elm	*Ulmus americana*	Native	1	12	2.0	High	Poor	Subject Property	Remove	
1	346	Black Walnut	*Juglans nigra*	Native	1	12	1.0	High	Dead	Subject Property	Remove	
1	347	Black Walnut	*Juglans nigra*	Native	1	17	3.0	High	Dead	Subject Property	Remove	
1	348	Black Walnut	*Juglans nigra*	Native	1	11	2.0	Low	Fair	Subject Property	Retain	
1	349	Common Apple	*Malus domestica*	Non-Native	2	10	4.0	High	Poor	Subject Property	Remove	
1	350	Black Walnut	*Juglans nigra*	Native	1	12	3.0	Low	Good	Subject Property	Retain	
1	351	White Elm	*Ulmus americana*	Native	1	23	5.0	High	Dead	Subject Property	Remove	
1	352	Black Cherry	*Prunus serotina*	Native	2	13	4.0	Medium	Fair	Subject Property	Retain	
1	353	Scots Pine	*Pinus sylvestris*	Non-Native	1	12	2.0	Low	Good	Subject Property	Retain	
1	355	Hawthorn Species	*Crataegus sp.*	Native	2	12	3.0	High	Poor	Subject Property	Remove	354 tag missing
1	356	White Elm	*Ulmus americana*	Native	1	22	4.0	High	Dead	Subject Property	Remove	
1	357	White Elm	*Ulmus americana*	Native	1	27	4.0	Medium	Fair	Subject Property	Remove	
1	358	Black Walnut	*Juglans nigra*	Native	1	12	3.0	Medium	Fair	Subject Property	Retain	

No. of Trees	Tree Number	Common Name	Scientific Name	Native/ Non-native	Stem Count	DBH (cm)	Crown Radius (m)	Potential for Structural Failure Rating	Overall Condition	Location	Proposed Action	Comments
1	359	White Elm	*Ulmus americana*	Native	1	16	4.0	Medium	Fair	Subject Property	Remove	
1	361	Black Walnut	*Juglans nigra*	Native	1	39	5.0	High	Poor	Boundary	Remove	
1	362	Black Walnut	*Juglans nigra*	Native	1	48	7.0	Medium	Fair	Subject Property	Retain	
1	363	Black Walnut	*Juglans nigra*	Native	1	38	5.0	Medium	Fair	Boundary	Retain	
1	364	Black Walnut	*Juglans nigra*	Native	1	39	6.0	Low	Good	Boundary	Retain	
1	365	Black Cherry	*Prunus serotina*	Native	3	23	3.0	High	Very Poor	Boundary	Remove	80% dieback
1	366	White Elm	*Ulmus americana*	Native	1	10	2.0	Low	Good	Subject Property	Retain	
1	367	White Elm	*Ulmus americana*	Native	1	26	5.0	High	Very Poor	Subject Property	Remove	
1	368	White Elm	*Ulmus americana*	Native	1	13	3.0	Low	Good	Subject Property	Retain	
1	369	White Elm	*Ulmus americana*	Native	1	15	3.0	High	Dead	Subject Property	Remove	
1	370	Scots Pine	*Pinus sylvestris*	Non-Native	1	17	3.0	High	Dead	Subject Property	Remove	
1	371	White Elm	*Ulmus americana*	Native	1	12	3.0	Medium	Fair	Subject Property	Retain	
1	372	Butternut	*Juglans cinerea*	Native	1	17	3.0	Medium	Fair	Subject Property	Retain	
1	373	Scots Pine	*Pinus sylvestris*	Non-Native	1	32	4.0	Low	Good	Subject Property	Remove	
1	374	White Elm	*Ulmus americana*	Native	1	32	3.0	Medium	Fair	Subject Property	Retain	
1	375	White Elm	*Ulmus americana*	Native	1	12	2.0	Low	Good	Subject Property	Retain	
1	376	White Elm	*Ulmus americana*	Native	1	18	2.0	High	Poor	Subject Property	Remove	
1	377	Scots Pine	*Pinus sylvestris*	Non-Native	3	31	4.0	High	Dead	Subject Property	Remove	dead, needles lost, codominant stems with included bark
1	378	White Elm	*Ulmus americana*	Native	1	12	1.0	High	Dead	Subject Property	Remove	
1	379	White Elm	*Ulmus americana*	Native	1	19	4.5	Medium	Fair	Subject Property	Remove	
1	380	White Elm	*Ulmus americana*	Native	1	16	3.0	Medium	Fair	Subject Property	Retain	
1	381	White Elm	*Ulmus americana*	Native	1	26	4.5	Low	Good	Subject Property	Retain	
1	382	White Elm	*Ulmus americana*	Native	1	19	4.0	Medium	Fair	Subject Property	Remove	
1	383	White Elm	*Ulmus americana*	Native	1	25	4.0	Low	Good	Subject Property	Remove	lower, wide branching, good condition
1	384	White Elm	*Ulmus americana*	Native	1	30	4.0	Medium	Fair	Subject Property	Remove	
1	385	Norway Spruce	*Picea abies*	Non-Native	1	28	4.0	Low	Good	Subject Property	Remove	
1	386	Norway Spruce	*Picea abies*	Non-Native	1	78	4.0	Medium	Fair	Subject Property	Remove	
1	387	Silver Maple	*Acer saccharinum*	Native	1	36	4.5	Medium	Fair	Subject Property	Remove	
1	388	Eastern White Cedar	*Thuja occidentalis*	Native	5	22	2.0	Medium	Fair	Subject Property	Retain	
1	389	Black Walnut	*Juglans nigra*	Native	1	10	3.0	Medium	Fair	Subject Property	Remove	
1	390	Butternut	*Juglans cinerea*	Native	2	12	3.0	Medium	Fair	Subject Property	Remove	codominant stems with included bark, butternut canker - some open
1	391	Norway Spruce	*Picea abies*	Non-Native	1	27	3.0	Medium	Fair	Subject Property	Remove	
1	392	Norway Spruce	*Picea abies*	Non-Native	1	44	4.0	Medium	Fair	Subject Property	Remove	
1	393	Norway Spruce	*Picea abies*	Non-Native	1	53	4.0	Medium	Fair	Subject Property	Remove	
1	394	White Birch	*Betula papyrifera*	Native	2	19	3.0	Medium	Fair	Subject Property	Remove	
1	395	Norway Spruce	*Picea abies*	Non-Native	1	31	3.0	Medium	Fair	Subject Property	Remove	
1	396	Norway Spruce	*Picea abies*	Non-Native	1	19	2.0	Medium	Fair	Subject Property	Remove	
1	397	Norway Spruce	*Picea abies*	Non-Native	1	24	2.5	Medium	Poor	Subject Property	Remove	
1	398	Norway Spruce	*Picea abies*	Non-Native	1	21	2.5	Medium	Fair	Subject Property	Remove	competition for sunlight, top half of crown only, u-bend in branch
1	399	Freeman's Maple	*Acer X freemanii*	Native	1	30	4.0	Medium	Fair	Subject Property	Remove	
1	400	Freeman's Maple	*Acer X freemanii*	Native	1	38	7.0	Medium	Fair	Subject Property	Remove	
1	410	Horsechestnut	*Aesculus hippocastanum*	Non-Native	1	14	1.5	Low	Good	Subject Property	Remove	
1	411	Norway Maple	*Acer platanoides*	Non-Native	1	19	2.0	Medium	Fair	Subject Property	Remove	
1	412	Common Apple	*Malus domestica*	Non-Native	3	34	4.0	Medium	Poor	Subject Property	Remove	
1	413	Norway Maple	*Acer platanoides*	Non-Native	1	49	6.0	Medium	Fair	Subject Property	Remove	

No. of Trees	Tree Number	Common Name	Scientific Name	Native/ Non-native	Stem Count	DBH (cm)	Crown Radius (m)	Potential for Structural Failure Rating	Overall Condition	Location	Proposed Action	Comments
1	414	Eastern Cottonwood	*Populus deltoides*	Native	1	22	3.5	Low	Good	Subject Property	Remove	
1	415	Eastern White Cedar	*Thuja occidentalis*	Native	1	14	1.0	Medium	Fair	Subject Property	Remove	
1	416	Eastern White Cedar	*Thuja occidentalis*	Native	1	13	1.5	Medium	Fair	Subject Property	Remove	
1	417	Eastern Cottonwood	*Populus deltoides*	Native	1	26	2.0	Low	Good	Subject Property	Remove	
1	438	Norway Maple	*Acer platanoides*	Non-Native	1	50	5.0	Medium	Fair	Subject Property	Remove	
1	439	Norway Maple	*Acer platanoides*	Non-Native	1	59	7.0	Medium	Fair	Subject Property	Remove	
1	440	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	61	5.0	Medium	Fair	Subject Property	Remove	
1	441	Freeman's Maple	*Acer X freemanii*	Native	1	37	5.0	Medium	Fair	Subject Property	Remove	
1	442	Norway Spruce	*Picea abies*	Non-Native	1	39	5.0	Low	Fair	Subject Property	Remove	
1	443	Norway Spruce	*Picea abies*	Non-Native	1	35	4.0	Medium	Fair	Subject Property	Remove	
1	444	Norway Spruce	*Picea abies*	Non-Native	1	43	5.0	Low	Fair	Subject Property	Remove	
1	445	Norway Spruce	*Picea abies*	Non-Native	1	29	4.0	Low	Good	Subject Property	Remove	
1	446	Norway Spruce	*Picea abies*	Non-Native	1	28	4.0	Low	Good	Subject Property	Remove	
1	447	Eastern White Cedar	*Thuja occidentalis*	Native	1	15	1.0	Medium	Fair	Subject Property	Remove	
1	448	Eastern White Cedar	*Thuja occidentalis*	Native	1	20	1.0	Medium	Fair	Subject Property	Remove	
1	449	Eastern White Cedar	*Thuja occidentalis*	Native	1	23	1.0	Medium	Fair	Subject Property	Remove	
1	450	Norway Maple	*Acer platanoides*	Non-Native	1	56	6.0	Medium	Fair	Subject Property	Remove	
1	451	Eastern White Cedar	*Thuja occidentalis*	Native	1	11	1.0	Medium	Fair	Subject Property	Remove	
1	452	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	47	5.0	Medium	Fair	Subject Property	Remove	
1	453	White Birch	*Betula papyrifera*	Native	2	25	4.0	Medium	Fair	Subject Property	Remove	
1	454	White Birch	*Betula papyrifera*	Native	1	27	5.0	Medium	Fair	Subject Property	Remove	
1	455	Sugar Maple	*Acer saccharum ssp. saccharum*	Native	1	38	5.0	Medium	Fair	Subject Property	Remove	
1	456	Black Walnut	*Juglans nigra*	Native	1	11	3.0	Low	Fair	Subject Property	Remove	
1	502	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	503	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	504	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	506	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	507	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	508	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	509	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	510	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	511	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	512	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	513	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	514	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	516	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	517	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	518	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	519	Norway Spruce	*Picea abies*	Non-Native	1		4.0	Low	Fair	Subject Property	Remove	Pruned lower branches.
1	522	Trembling Aspen	*Populus tremuloides*	Native	1		4.0	Low	Fair	Subject Property	Remove	
1	527	Eastern Red Cedar	*Juniperus virginiana*	Native	1	13	2.0	Low	Fair	Subject Property	Remove	Dieback.
1	551	Eastern White Cedar	*Thuja occidentalis*	Native	1	25	3.0	Low	Good	Subject Property	Remove	Rear yard
1	552	Trembling Aspen	*Populus tremuloides*	Native	1	23	4.5	Low	Good	Subject Property	Remove	Rear yard
1	582	Black Walnut	*Juglans nigra*	Native	1	13	3.0	Low	Fair	Subject Property	Remove	Suppressed; small dead branches.
1	583	Black Walnut	*Juglans nigra*	Native	1	13	3.0	Low	Fair	Subject Property	Remove	Minor dieback.
1	584	Black Walnut	*Juglans nigra*	Native	1	13	2.5	Low	Fair	Subject Property	Remove	Dead branches; vines.
1	585	Eastern White Cedar	*Thuja occidentalis*	Native	1	12	2.0	Low	Fair	Subject Property	Remove	Small crown.
1	586	White Spruce	*Picea glauca*	Native	1	16	3.0	Low	Fair	Subject Property	Remove	Small crown.

No. of Trees	Tree Number	Common Name	Scientific Name	Native/ Non-native	Stem Count	DBH (cm)	Crown Radius (m)	Potential for Structural Failure Rating	Overall Condition	Location	Proposed Action	Comments
1	587	White Spruce	*Picea glauca*	Native	1	15	3.0	Low	Fair	Subject Property	Remove	Small crown.
1	588	White Spruce	*Picea glauca*	Native	1	13	3.0	Low	Fair	Subject Property	Remove	Small crown.
1	589	Black Walnut	*Juglans nigra*	Native	1	11	2.0	Low	Fair	Subject Property	Remove	Minor dieback.
1	590	White Spruce	*Picea glauca*	Native	1	13	3.0	Low	Fair	Subject Property	Remove	Small crown; dieback.
1	591	White Spruce	*Picea glauca*	Native	1	20	3.0	Low	Fair	Subject Property	Remove	Small crown; minor dieback.
1	592	Black Walnut	*Juglans nigra*	Native	2	#VALUE!	3.5	Low	Fair	Subject Property	Remove	Codominant stems; cankers.
1	593	Black Walnut	*Juglans nigra*	Native	1	13	3.5	Low	Fair	Subject Property	Remove	Codominant stems; cankers.
1	594	Scots Pine	*Pinus sylvestris*	Non-Native	1	11	1.0	Medium	Fair	Subject Property	Retain	Thinning, dieback.
1	595	Black Walnut	*Juglans nigra*	Native	1	11	2.0	Low	Good	Subject Property	Remove	
1	596	Weeping Birch	*Betula pendula*	Non-Native	1	10	2.0	Low	Good	Subject Property	Remove	
1	597	Scots Pine	*Pinus sylvestris*	Non-Native	1	14	2.5	Low	Fair	Subject Property	Remove	Minor dieback.
1	599	Black Walnut	*Juglans nigra*	Native	1	18	3.0	Low	Good	Subject Property	Remove	Minor dieback.
1	600	Black Walnut	*Juglans nigra*	Native	1	11	2.0	Low	Good	Subject Property	Remove	Minor dieback.
1	601	Scots Pine	*Pinus sylvestris*	Non-Native	1	12	2.0	Low	Fair	Subject Property	Remove	Minor dieback.
1	602	Scots Pine	*Pinus sylvestris*	Non-Native	1	13	2.0	Low	Fair	Subject Property	Remove	Minor dieback.
1	603	Scots Pine	*Pinus sylvestris*	Non-Native	1	14	2.5	Low	Fair	Subject Property	Remove	Minor dieback.
1	613	Black Walnut	*Juglans nigra*	Native	1	16	3.0	Low	Fair	Subject Property	Remove	Cankers; small dead branches.
1	617	Scots Pine	*Pinus sylvestris*	Non-Native	1	11	2.5	Low	Good	Subject Property	Retain	
1	619	Elm Species	*Ulmus sp.*	Native	1	10	2.0	Low	Good	Subject Property	Retain	
1	620	Black Walnut	*Juglans nigra*	Native	1	10	3.0	Low	Good	Subject Property	Retain	
1	622	Eastern White Cedar	*Thuja occidentalis*	Native	1	10	2.0	Low	Good	Subject Property	Retain	
1	624	Eastern White Cedar	*Thuja occidentalis*	Native	1	10	2.0	Low	Good	Subject Property	Retain	
1	708	Black Walnut	*Juglans nigra*	Native	1	19	4.0	Low	Good	Subject Property	Remove	0.5m from home; minor dieback.
1	709	Norway Maple	*Acer platanoides*	Non-Native	1	16	4.0	Low	Fair	Subject Property	Remove	Pistol butt; immediately next to home.
1	710	Black Walnut	*Juglans nigra*	Native	1	12		High	Dead	Boundary	Remove	
1	712	Black Walnut	*Juglans nigra*	Native	1	14	4.0	Low	Good	Subject Property	Remove	Healthy crown.
1	713	Black Walnut	*Juglans nigra*	Native	1	13	3.5	Low	Good	Subject Property	Retain	
1	714	Black Walnut	*Juglans nigra*	Native	1	12	2.5	Low	Good	Subject Property	Retain	
1	715	Black Walnut	*Juglans nigra*	Native	1	12	2.0	Low	Good	Subject Property	Retain	
1	901	White Spruce	*Picea glauca*	Native	1	12	2.0	Low	Good	Subject Property	Remove	Debris around base.
1	915	Hawthorn Species	*Crataegus sp.*	Native	1	12	1.0	Medium	Poor	Subject Property	Remove	dieback, vines in crown, lean.
1	916	Butternut	*Juglans cinerea*	Native	1	17	1.0	Medium	Poor	Subject Property	Retain	cankers, vine in crown, minor dieback.
1	917	Hawthorn Species	*Crataegus sp.*	Native	2	12	1.5	Medium	Poor	Subject Property	Retain	included bark, dieback.
1	918	Butternut	*Juglans cinerea*	Native	1	13	1.0	Medium	Fair	Subject Property	Retain	cankers, damage to bark, dieback.
1	919	Black Cherry	*Prunus serotina*	Native	7	18	2.0	Medium	Poor	Subject Property	Retain	growing from dead base. codominant stems, viens in crown, lopsided.
1	943	Norway Spruce	*Picea abies*	Non-Native	1	16	2.5	Medium	Fair	Subject Property	Retain	Lopsided, minor dieback.
1	944	Norway Spruce	*Picea abies*	Non-Native	1	15	2.0	Low	Fair	Subject Property	Retain	Vines, minor dieback.
1	945	Norway Spruce	*Picea abies*	Non-Native	1	14	2.0	Low	Fair	Subject Property	Retain	Vines, minor dieback.
1	989	Scots Pine	*Pinus sylvestris*	Non-Native	1	15	2.0	Low	Good	Subject Property	Retain	Small closed wound.
1	990	Scots Pine	*Pinus sylvestris*	Non-Native	1	13	2.0	Low	Good	Subject Property	Retain	Curled twigs.
1	1146	Scots Pine	*Pinus sylvestris*	Non-Native	1	16	2.0	Medium	Fair	Subject Property	Retain	Thinning, curled twigs.
1	1395	Manitoba Maple	*Acer negundo*	Native	1	70	5.0	Medium	Poor	Subject Property	Remove	30% dieback evenly spread throughout crown.
1	1396	Black Walnut	*Juglans nigra*	Native	1	13	3.0	Low	Good	Subject Property	Remove	Large open crown.
1	1397	Black Walnut	*Juglans nigra*	Native	1	21	4.0	Low	Good	Subject Property	Remove	Asymmetrical crown south.
1	1398	Trembling Aspen	*Populus tremuloides*	Native	1	13	2.5	Low	Fair	Subject Property	Remove	Dead lower levels.
1	1399	Trembling Aspen	*Populus tremuloides*	Native	1	10	2.5	Low	Good	Subject Property	Remove	Small crown.
1	1400	Trembling Aspen	*Populus tremuloides*	Native	1	10	2.0	Low	Fair	Subject Property	Remove	Dead lower branches.

No. of Trees	Tree Number	Common Name	Scientific Name	Native/ Non-native	Stem Count	DBH (cm)	Crown Radius (m)	Potential for Structural Failure Rating	Overall Condition	Location	Proposed Action	Comments
1	1401	Eastern White Cedar	*Thuja occidentalis*	Native	1	19	3.0	Low	Good	Subject Property	Retain	Minor thinning.
1	1402	Scots Pine	*Pinus sylvestris*	Non-Native	1	15	2.0	Medium	Fair	Subject Property	Retain	Reduced crown, thinning.
1	1416	White Ash	*Fraxinus americana*	Native	1	20	2.5	High	Poor	Subject Property	Retain	Leaning, dead branches, vines.
1	1417	Black Walnut	*Juglans nigra*	Native	1	20	4.0	Medium	Fair	Subject Property	Retain	Codominant stems with included bark, old wounds, broken branches.
1	1418	Black Walnut	*Juglans nigra*	Native	1	19	3.0	Medium	Fair	Subject Property	Retain	Lopsided, reduced crown.
1	1419	Black Walnut	*Juglans nigra*	Native	1	23	4.0	High	Poor	Subject Property	Retain	History of branch failure, unbalanced crown.
1	1420	Black Walnut	*Juglans nigra*	Native	1	31	5.0	Medium	Fair	Subject Property	Retain	Codominant stems with included bark, poor branch union.
1	1442	Black Walnut	*Juglans nigra*	Native	1	33	5.0	Medium	Poor	Subject Property	Retain	Codominant stems with included bark, woopecker damage, dead branches.
1	1443	Black Walnut	*Juglans nigra*	Native	1	36	5.0	Medium	Poor	Subject Property	Retain	Codominant stems with included bark, woopecker damage, dead branches, previously pruned.
1	1444	Black Walnut	*Juglans nigra*	Native	1	35	5.0	Medium	Poor	Subject Property	Retain	Codominant stems with included bark, woopecker damage, dead branches, previously pruned.
1	1455	Norway Spruce	*Picea abies*	Non-Native	1	36	1.0	Medium	Fair	Subject Property	Retain	Lopsided, self pruned branches.
1	1480	Norway Spruce	*Picea abies*	Non-Native	1	17		High	Dead	Subject Property	Retain	
1	1481	Norway Spruce	*Picea abies*	Non-Native	1	21		High	Dead	Subject Property	Retain	
1	1482	Norway Spruce	*Picea abies*	Non-Native	1	19	0.5	High	Very Poor	Subject Property	Retain	Dying, significant dieback, very small crown.
1	1552	Scots Pine	*Pinus sylvestris*	Non-Native	1	13		High	Dead	Subject Property	Retain	
1	1553	Scots Pine	*Pinus sylvestris*	Non-Native	1	12	1.0	Medium	Fair	Subject Property	Retain	Thinning, dieback.
1	1555	Eastern White Cedar	*Thuja occidentalis*	Native	1	11	1.5	Low	Fair	Subject Property	Retain	Thinning, vines.
1	1579	Scots Pine	*Pinus sylvestris*	Non-Native	1	11	1.0	High	Poor	Subject Property	Retain	Dieback, topped, codominant leaders.
1	1583	Scots Pine	*Pinus sylvestris*	Non-Native	1	13	1.0	Medium	Fair	Subject Property	Retain	Thinning, reduced crown.
1	1584	Scots Pine	*Pinus sylvestris*	Non-Native	1	12	1.0	Medium	Fair	Subject Property	Retain	Thinning, reduced crown.

Appendix II
Tree Health and Potential for Structural Failure Assessment Criteria

Tree Health Assessment Criteria

Assessment Criteria	Definition[1]
Excellent	Represents a tree in near perfect form, health, and vigour. This tree would exhibit no deadwood, no decline, and no visible defects.
Good	Represents a tree ranging from a generally healthy tree to a near perfect tree in terms of health, vigour and structure. This tree exhibits a complete, balanced crown structure with little to no deadwood and minimal defects as well as a properly formed root flare.
Fair	Represents a tree with minor health, balance or structural issues with minimal to moderate deadwood. Branching structure shows signs of included bark or minor rot within the branch connections or trunk wood. The root flare shows minimal signs of mechanical injury, decay, poor callusing, or girdling roots. Trees in the category require minor remedial actions to improve the vigour and structure of the tree.
Poor	Represents a tree that exhibits a poor vigour, reduced crown size (<30% of crown typical of species caused by overcrowding or decline), extreme crown imbalance, or extensive rot in the branching and trunk wood. Fungus could be seen from these rotting areas, suggesting further decay. These trees have extensive crown die back with a large amount of deadwood, and possibly dead sections. These weakened areas can lead to a potential failure of tree sections. Rooting zones show signs of extensive root decay or damage (fruiting bodies or mechanical damage) or girdling roots. Trees in this category require more extensive actions to prevent failure. A tree identified as poor would be a candidate for removal in the near future.
Very Poor	Represents a tree that exhibits major health and structural defects. Quite often the defects or diseases affecting this tree will be fatal. Large quantities of fungus, large dead sections with possible cavities and bark falling off all are signs that a tree is in a major state of decline and would be identified as very poor. These trees have a probable or imminent potential for structural failure. These trees should be identified for removal.
Dead	Represents a tree that exhibits no sign of new growth, including buds, foliage, or shoot growth. These trees have a probable or imminent potential for structural failure. These trees should be identified for removal.

[1] (Dunster 2009)

Potential for Structural Failure Assessment Criteria

Assessment Criteria*	Definition[1]
Improbable	The tree or branch is not likely to fail during normal weather conditions and may not fail in many severe weather conditions within the specified time frame.
Possible	Failure could occur, but it is unlikely during normal weather conditions within the specified time frame.
Probable	Failure may be expected under normal weather conditions within the specified time frame.
Imminent	Failure has started or is most likely to occur in the near future, even if there is no significant wind or increased load. This is a rare occurrence for an assessor to encounter, and it may require immediate action to protect people from harm.
*A specified time frame of 1 year will be used when assessing potential for structural failure.	

[1] (Dunster et al. 2013)

Appendix III
Conditions of Assessment

Conditions of Tree Assessment

Limitations

This tree inventory and assessment is based on the circumstances and observations by Natural Resource Solutions Inc. (NRSI) as they existed at the time of the site inspection(s) of the Client's Property as described in this report (the "Property") and the trees situated thereon, and upon information provided by the Client to NRSI. The opinions in this assessment are given based on observations made and using generally accepted professional judgment, however, because trees are living organisms and subject to change, damage and disease, the results, observations, recommendations, and analysis as set out in this assessment are valid only at the date any such observations and analysis took place. No guarantee, warranty, representation or opinion is offered or made by NRSI as to the length of the validity of the results, observations, recommendations and analysis contained within this assessment. As a result, the Client shall not rely upon this assessment, save and except for representing the circumstances and observations at the date of site inspection(s), and the analysis and recommendations made in relation to the proposed undertaking. It is recommended that the inventoried trees discussed in this assessment should be re-assessed periodically, where required (i.e. after 2 years).

Further Services

Neither NRSI, nor any assessor employed or retained by NRSI (the "Assessor") for the purpose of preparing or assisting in the preparation of this assessment shall be required to provide any further consultation or services to the Client including, without limitation, acting as an expert witness or witness in any court in any jurisdiction unless the Client has first made specific arrangements with respect to such further services, including providing payment of the Assessor's regular hourly billing fees.

NRSI accepts no responsibility for the implementation of all or any part of this report, unless specifically requested to examine the implementation of such activities recommended herein. Any request for the inspection or supervision of all or part of the implementation shall be made in writing and the details agreed to in writing by both parties.

Assumptions

The Client is hereby notified that where any of the information set out and referenced in this assessment are based on assumptions, facts or information provided to NRSI, NRSI will in no way be responsible for the veracity or accuracy of any such information. Further, the Client acknowledges and agrees that NRSI has, for the purposes of preparing their assessment, assumed that the Property is in full compliance with all applicable federal, provincial, municipal and local statutes, regulations, by-laws, guidelines and other related laws. NRSI explicitly denies any legal liability for any and all issues with respect to non-compliance with any of the above-referenced statutes, regulations, by-laws, guidelines and laws as it may pertain to or affect the Property.

Restriction of Assessment

The assessment carried out was restricted to the areas as described in this report. NRSI is not legally liable for any other trees except those expressly discussed herein. The conclusions of this assessment do not apply to any areas, trees, or any other property not covered or referenced in this assessment.

Professional Responsibility

In carrying out this assessment, NRSI and any Assessor appointed for and on behalf of NRSI to perform and carry out the assessment has exercised a reasonable standard of care, skill and diligence. The assessment has been made using accepted arboricultural techniques. These include a visual examination of each tree for structural defects, scars, external indications of decay such as fungal fruiting bodies, evidence of insect attack, discolored foliage (during the leaf-on period), the condition of any visible root structures, the degree and direction of lean (if any), the general condition of the tree(s) and the surrounding site, and the current or planned proximity of property and people. Except where specifically noted in the assessment, none of the trees examined on the property were dissected, cored, probed, or climbed, and detailed root crown examinations involving excavation were not undertaken.

No guarantees are offered, or implied, that trees recommended for retention, or all parts of them, will remain standing. It is professionally impossible to predict with absolute certainty the behaviour of any single tree or group of trees, or all their component parts, in all given circumstances. Inevitably, a standing tree will always pose some risk. Most

trees have the potential to fall, lean, or otherwise pose a danger to property and persons in the event of extreme weather conditions, and this risk can only be eliminated if the tree is removed.

Without limiting the foregoing, no liability is assumed by NRSI or its directors, officers, employers, contractors, agents or Assessors for:

a) any legal description provided with respect to the Property;
b) issues of title and/or ownership with respect to the Property;
c) the accuracy of the Property line locations or boundaries with respect to the Property; and
d) the accuracy of any other information provided to NRSI by the Client or third parties;
e) any consequential loss, injury or damages suffered by the Client or any third parties, including but not limited to replacement costs, loss of use, earnings and business interruption; and
f) the unauthorized distribution of the assessment.

Third Party Liability

This assessment was prepared by NRSI for the Client. The data collected reflect NRSI's best assessment of the inventoried trees situated on the Property with the information available at the time of observation. Data analysis and the assessment of potential impacts to inventoried trees is specific to the proposed undertaking as described in this report. NRSI accepts no responsibility for any damages or loss suffered by any third party or by the Client as a result of decisions made or actions based upon the use of this assessment for purposes unrelated to the proposed undertaking.

General

Any plans and/or illustrations in this assessment are included only to help the Client visualize the issues in this assessment and shall not be relied upon for any other purpose.

This report shall be considered as a whole, no sections are severable, and the assessment shall be considered incomplete if any pages are missing.

Appendix IV
Tree Data and Summary Tables

Tree Inventory Data Summarized by Species

Common Name	Scientific Name	Excellent	Good	Fair	Poor	Very Poor	Dead	Grand Total
Native		**1**	**51**	**54**	**3**	**16**	**357**	**482**
American Basswood	*Tilia americana*			2				2
Balsam Fir	*Abies balsamea*		1					1
Black Cherry	*Prunus serotina*			1	2	1	1	5
Black Maple	*Acer saccharum ssp. nigrum*				5			5
Black Walnut	*Juglans nigra*		21	26	9		3	59
Butternut	*Juglans cinerea*			5	1			6
Eastern Cottonwood	*Populus deltoides*		3					3
Eastern Red Cedar	*Juniperus virginiana*			2				2
Eastern White Cedar	*Thuja occidentalis*		7	248	19		2	276
Elm Species	*Ulmus sp.*		1					1
Freeman's Maple	*Acer X freemanii*			15				15
Green Ash	*Fraxinus pennsylvanica*		2	1	1			4
Hawthorn species	*Crataegus sp.*			2	4			6
Honey Locust	*Gleditsia triacanthos*			3				3
Manitoba Maple	*Acer negundo*			1	4			5
Red Maple	*Acer rubrum*						1	1
Red Oak	*Quercus rubra*		1	8		1		10
Silver Maple	*Acer saccharinum*			1				1
Sugar Maple	*Acer saccharum ssp. saccharum*		2	11	4			17
Tamarack	*Larix laricina*			1				1
Trembling Aspen	*Populus tremuloides*		2	3				5
White Ash	*Fraxinus americana*		1		1			2
White Birch	*Betula papyrifera*			3				3
White Elm	*Ulmus americana*		8	17	4	1	9	39
White Spruce	*Picea glauca*	1	2	7				10
Non-Native		**5**	**89**	**26**	**2**	**10**	**100**	**232**
Colorado Spruce	*Picea pungens*	1					1	2
Common Apple	*Malus domestica*			2	6			8
Common Pear	*Pyrus communis*				3	1		4

Common Name	Scientific Name	Excellent	Good	Fair	Poor	Very Poor	Dead	Grand Total
Crack Willow	*Salix fragilis*				1			1
European Weeping Birch	*Betula pendula*			1				1
Fir species	*Abies sp.*			1				1
Horsechestnut	*Aesculus hippocastanum*		1					1
Linden	*Tilia sp.*			5				5
Norway Maple	*Acer platanoides*			10	2			12
Norway Spruce	*Picea abies*	4	71	62	10	1	6	154
Pine Species	*Pinus sp.*			1				1
Scots Pine	*Pinus sylvestris*		16	17	4		3	40
Siberian Elm	*Ulmus pumila*			1				1
Weeping Birch	*Betula sp.*		1					1
Grand Total		**6**	**140**	**80**	**5**	**26**	**457**	**714**

Summary of Health and Risk Assessment

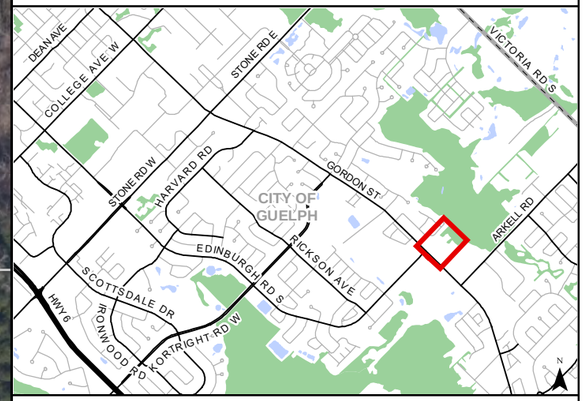
Potential for Structural Failure Rating	Overall Condition						Total
	Excellent	Good	Fair	Poor	Very Poor	Dead	
Low	6	138	257				401
Medium		2	198	19			219
High			2	61	5	26	94
Total	**6**	**140**	**457**	**80**	**5**	**26**	**714**

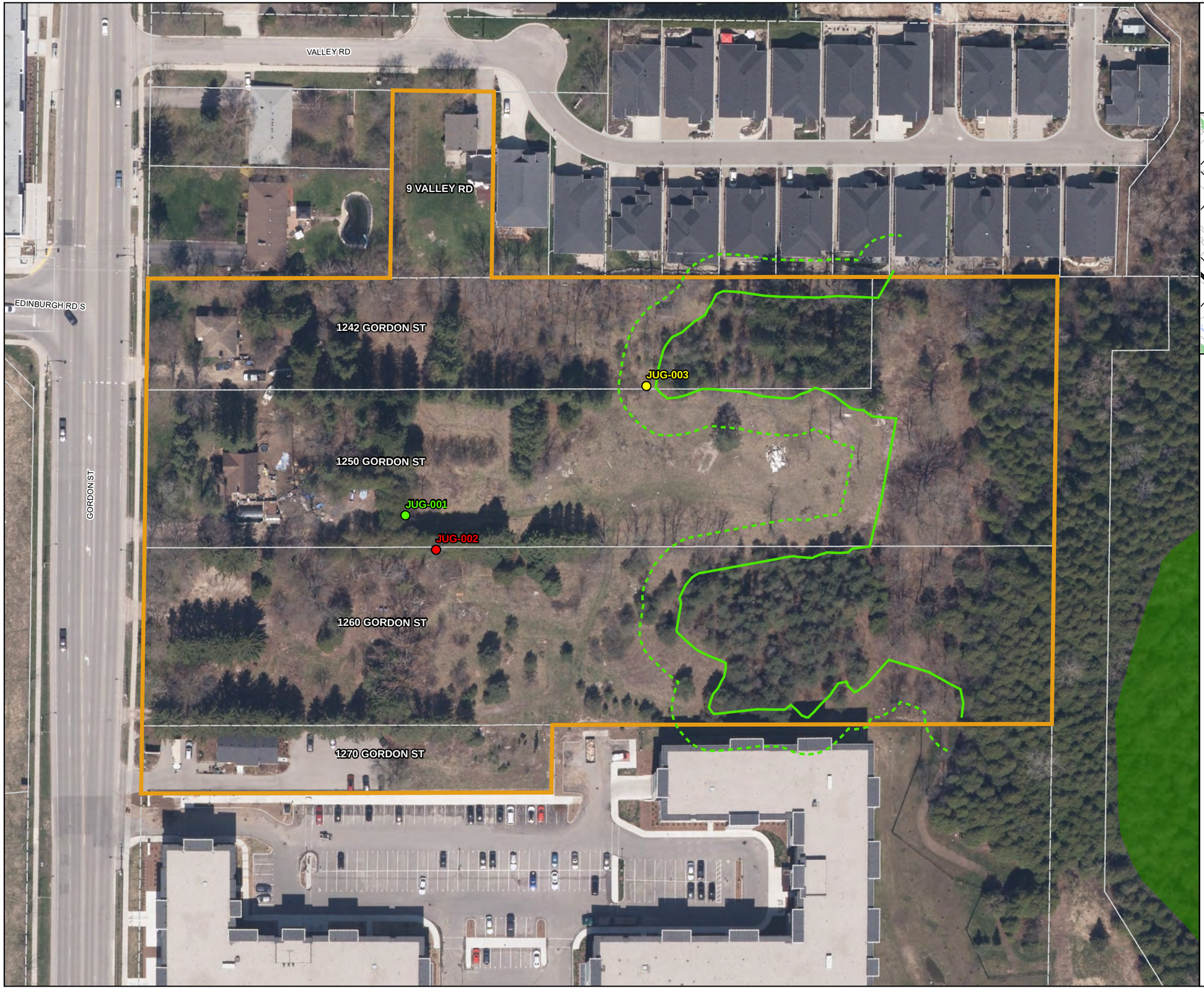
MAPS

Map 1

1250 Gordon St, Guelph

Subject Property





Legend

- Subject Property
- Parcel Boundary
- Significant Woodland Boundary - City of Guelph (October 2014 and July 2017)
- Significant Woodland 10m Setback
- Provincially Significant Wetland (PSW)
- Category 1 Butternut Hybrid - Removed December 2020
- Category 2 Butternut - Removed December 2020
- Category 2 Butternut Tree Proposed to be Harmed

Natural Resource Solutions Inc.
Aquatic, Terrestrial and Wetland Biologists

Project: 2347 Date: August 6, 2021	NAD83 - UTM Zone 17 Size: 11x17" **1:1,000**

0 20 40 60 Metres

Path: X:\2347_TricarGordonStreet\NRSI_2347_Map1_SubjectProperty_1K_2021_08_06_LEH.mxd

Map 2

1250 Gordon Street

Tree Inventory and Preservation Plan

Legend

- Subject Property
- Significant Woodland (To be Retained)
- Significant Woodland Boundary - City of Guelph (October 2014 and July 2017)
- Significant Woodland 10m Setback
- Proposed Grading
- Proposed Development
- Existing Conditions
- Proposed Servicing
- Tree Protection Fencing
- Inventoried Tree to be Retained (Crown to Scale)
- Inventoried Tree to be Removed (Crown to Scale)
- Hedgerow to be Retained Where Feasible
- Hedgerow to be Removed

NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists

Project: 2347	NAD83 - UTM Zone: 17
Date: August 30, 2021	Size: 24'x36"
	1:300

0 5 10 15 20 Meters

N

VALLEY ROAD

VALLEY RD

GORDON STREET

FORMERLY THE KING'S HIGHWAY No. 6

GORDON ST

LOT 5, CONCESSION 8

LOT 15

LOT 16

REGISTERED PLAN 488

W.V.L.C. PLAN 169

PART 1, PLAN 61R-10756

PIN 71505-0464 (LT)

PART 1, PLAN 61R - 6359

PART 2 PLAN 61R-9757

71505-0447 (LT)

71505-0608 (LT)

Future Road Widening

PROPOSED INSIPRAL RIGHT OF WAY (0.239ha)

PARK BLOCK 2 (0.247ha)

OPEN SPACE BLOCK 3 (1.049ha)

APARTMENT BLOCK 1 (1.788ha)

Building #1
Proposed 10 Storey Apartment Building
151 Units

Building #2
Proposed 10 Storey Apartment Building
174 Units

Polygon A

Polygon B

Polygon C

Polygon D

Polygon E

Polygon F

Limit of Underground Parking

Infiltration Gallery

Storm Water Storage Tank (1.02m deep)

Infiltration Gallery (425mm deep)

PROPOSED CITY TRAIL

RAMP

CONCESSION 8