## Ravine Stewardship Plan 4050 Yonge Street Toronto, ON

prepared for

Easton's Group of Companies 3100 Steeles Avenue East, Suite 601 Markham, ON L3R 8T3

## prepared by



146 Lakeshore Road West PO Box 1267 Lakeshore W PO Oakville ON L6K 0B3 t: 289.259.5958 f: 866.693.6390 e: consult@kuntzforestry.ca

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KUNTZ FORESTRY CONSULTING INC. Project P2308

#### Ravine & Natural Feature Protection - letter from Dan Hammerschlag dated January 11, 2021

#### Tree Inventory and Preservation Plan - Comment Response Matrix

Comment Response

The report states trees within 5m from the proposed development were surveyed. All trees within 12m from the limit of site disturbance must be included in the report and inventory table.

The report states there are a total of 608 tree existing trees on-site and on adjacent properties, including 251 removals greater than 10cm dbh and 356 removals less than 10cm dbh, however this **only** adds up to 607.

The report states that there are a total of 251 removals greater than 10cm dbh, however the tree inventory table only documents a total of 243 trees within the proximity of disturbance proposed for removal.

Tree inventory table should differentiate between
Ravine & Natural Feature Protection By-law trees,
private tree By-law trees, and City-owned trees.

Tree inventory table should provide a rationale for the removal or injury of all trees (stewardship, construction, grading, etc.). Rationale has only been provided for trees identified as poor

condition.

Tree inventory table documents a total of 243 trees within the proximity of disturbance proposed for removal and an additional 58 trees were

documented as missing (removed from site). The Tree Preservation Plan only identifies 107 proposed removals and 32 missing trees. All tagged trees must be included on the Tree Preservation Plan

Tree protection fencing should be installed along the perimeter of the site. If removals are proposed prior to the start of any site works, tree protection can be installed at the edge of the eastern edge of the 10 metre buffer setback.

The original tree inventory conducted in 2010 included trees within 5 metres of the proposed development. All subsequent inventory updates have included all trees within 12 metres of the proposed development. This has been clarified in the Ravine Stewardship Plan.

There is one tree (Tree A) to be retained, which accounts for the remaining tree, totalling to 608 trees.

A total of 242 individually inventoried trees over 10cm DBH are proposed for removal. Nine additional trees greater than 10cm DBH have been included in the Stand Tally Analysis, as these trees were unable to be individually tagged due to site topography, totalling to 251 trees proposed for removal. Refer to Appendix D of the Ravine Stewardship Plan for the additional nine trees inventoried.

Appendix C has been updated to include this differentiation.

Appendix C has been updated to include this.

Due to site topography, the locations of all trees were not identified in the field. Instead, all trees located close to the top of the slope have been identified and key trees near the bottom of the slope were identified. As all trees are currently being proposed for removal due to valley restoration works, RNFP is satisfied with this approach.

Stage 1 Tree Protection Fencing has been prescribed at the edge of the existing parking lot to accommodate parking lot deconstruction. The Tree Protection Fencing (Stage 2) can then be relocated to the edge of the 10 metre buffer to protect the trees until ravine restoration works start.

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#### 1.0 INTRODUCTION

Kuntz Forestry Consulting Inc. was retained by Easton's Group of Companies to complete a Tree Inventory and Preservation Plan report in support of a development application for a property located at 4050 Yonge Street in Toronto, Ontario. The subject property is located in the Lower Don River Watershed on the Northwest corner of Yonge Street and Wilson Avenue. Refer to the Tree Inventory and Preservation Plan report dated 07 December 2020 prepared by Kuntz Forestry Consulting Inc.

The property is subject to the provisions of the City of Toronto's Ravine and Natural Feature Protection By-law (Chapter 658) which prohibits and regulates the injury and destruction of trees, filling, grading, and dumping in ravines and associated wooded areas within the Ravine Protection Line. Compliance with the Ravine By-law requires that development applications be supported by a tree replacement, woodland management, stewardship, or rehabilitation plan.

The Ravine Stewardship Plan was developed to outline preservation and enhancement opportunities for the adjacent Lower West Don River ravine system. Restoration efforts will address all ecological issues currently present in the natural feature. Prescriptions will deal with tree removals, site preparation, restoration of ecological integrity including enhancement of species diversity, and ecological function of the riparian forest.

## 1.1 Regulatory Policy Framework

City of Toronto's Ravine and Natural Feature Protection By-law (Chapter 658)

The entire property is subject to the provisions of the City of Toronto's Ravine and Natural Feature Protection By-law (Chapter 658) which prohibits and regulates the injury and destruction of trees, filling, grading, and dumping in ravines and associated wooded areas within the Ravine Protection Line.

#### 2.0 EXISTING CONDITIONS

The majority of the subject property is occupied by an asphalt parking lot facility. Immediately north and west of the parking lot lies a portion of the Lower West Don River and its associated ravine system. The ravine valley system has been heavily degraded as a result of surrounding urban development, resulting in a large accumulation of debris and high percentage of non-native species. The subject property is bound by Yonge Street to the east, Wilson Avenue to the south, the Don River to the west, and a works yard and treed manicured lawn to the north.

The geotechnical study completed by Alston Associates (2010) indicates a thick layer of fill is located directly below the asphalt parking lot. It is estimated that the entire vegetated ravine (east of the river) was established based on a seed bed located in the original fill pile used to create the parking lot. The fill likely contained a very dense seed bed of Siberian Elm, resulting in a feature densely populated by Siberian Elm.

## 2.1 Vegetation Assessment

An evaluation of Ecological Land Classification communities was completed by Savanta Inc. in April 2010 and reassessed in February 2020. Field investigations conducted by Kuntz Forestry Consulting Inc. on 03 May 2010 confirmed the results provided in Savanta Inc. report and identified an additional vegetation community within the West Don River valley system adjacent to the proposed development. Community boundaries were determined using desk top analysis and confirmed in the field; communities and compartments were mapped (Figure 1) and described according to the Ecological Land Classification (ELC) system for southern Ontario (Lee *et al.* 1998) and standard forest protocol. A list of vascular plants was recorded for the natural heritage feature and a list is provided in Appendix A. Nomenclature for vascular plant species follows Flora Ontario – Integrated Botanical Information System (FOIBIS) (2005) and the Ontario Plant List (1998).

Savanta Inc. identified one vegetation community, a Dry-Fresh Siberian Elm Forest (FOD), for the wooded portion of the subject property east of the West Don River. The Dry-Fresh Siberian Elm community is described by Savanta Inc. as, "The main tree canopy is composed almost exclusively of this non-native elm, with a minor occurrence of weeping willows along the base of the north slope. The secondary canopy is composed of occasional Manitoba maple and Norway maple. In the shrub layer grow Siberian Elm with maple saplings, along with abundant common buckthorn and some Tartarian honeysuckle. The ground cover is relatively well developed, but dominated by the invasive garlic mustard. The entire slope is significantly disturbed and contains large amounts of woody debris and trash."

In 2010, Kuntz Forestry Consulting Inc. identified one vegetation community, a Fresh-Moist Sugar Maple Deciduous Forest Ecosite (FOD6), along the western limit of the subject property adjacent to the West Don River. Located primarily within the floodplain of the West Don River to the toe of the valley slope, this community represents the highest quality vegetation community located on the subject property. This community is dominated by Sugar Maple (*Acer saccharum* ssp. *saccharum*) with Eastern Cottonwood (*Populus deltoides ssp. deltoides*), Manitoba Maple (*Acer negundo*), American Basswood (*Tilia americana*), Siberian Elm (*Ulmus pumila*) and Green Ash (*Fraxinus pennsylvanica*) as common associates. Gaps in canopy are present throughout the community specifically within the southern portion of the unit due to a felled over-mature Eastern Cottonwood. Regeneration of native tree resources is limited to Green Ash as expected.

Understory species include Common Buckthorn (*Rhamnus cathartica*), Choke Cherry (*Prunus virginiana ssp. virginiana*), Alternate leaved Dogwood (*Cornus alternifolia*) and a small percentage of Tartarian Honeysuckle (*Lonicera tatarica*). The groundlayer is dominated by the highly invasive Garlic Mustard (*Alliaria petiolata*) but does include a number of native woodland species such as Trout Lily (*Erythronium americanum*), Dutchman's-breeches (*Dicentra cucullaria*), Bloodroot (*Sanguinaria canadensis*), Virginia Waterleaf (*Hydrophyllum virginianum*), sedges (*Carex spp.*), Ostrich Fern (*Matteuccia struthiopteris*), Jack-in-the-pulpit (*Arisaema triphyllum ssp. triphyllum*), and Enchanter's Nightshade (*Circaea lutetiana ssp. canadensis*). The non-native, invasive Celandine (*Chelidonium majus*) is also present within this community. Refer to Appendix A for additional species.

There is abundant woody debris within this vegetation unit with occasional standing snags (primarily Siberian Elm). Invasive species are prevalent throughout this unit within the shrub and ground layer due to impacts from the surrounding land use.

#### 2.1.1 Invasive Species

Field investigations conducted on 03 May 2010 and 28 January 2020 identified 16 non-native and/or invasive species for the subject property. An additional 22 non-native and/or invasive species were incorporated from Savanta Inc.'s Natural Heritage Impact Study (NHIS). Invasive species identified in the field were categorized using "Invasive Exotic Species Ranking for Southern Ontario" (Urban Forest Associates, 2002). The document provides a list of priority species categorized into four categories based on their level of disruption and negative impact on a natural area. All species identified for the natural heritage feature were categorized where applicable but only Category 1 species, and dominant Category 2 species (i.e. Siberian Elm) are recommended for removal and control. Refer to Table 1 for Urban Forest Associates Invasive Species Ranking and Appendix B for a list of invasive species found.

**Table 1. Invasive Species Ranking** 

Category	Description
1	Aggressive invasive exotic species that can dominate a site to exclude all other species and remain dominant on the site indefinitely. These are a threat to natural areas wherever they occur because they can reproduce by means that allow them to move long distances. Many of these are dispersed by birds, wind, water, or vegetative reproduction. These are the top priority for control, but control may be difficult. Eradication may be the only option for long-term success.
2	Exotic species that are highly invasive but tend to only dominate certain niches or do not spread rapidly from major concentrations. Many of these spread vegetatively or by seeds that drop close to the parent plant. They may have been deliberately planted and persist in dense populations for long periods. Control where necessary and limit their spread into other areas.
3	Exotic species that are moderately invasive but can become locally dominant given certain conditions. Control where necessary and limit their spread into other areas.
4	Exotic species that do not pose immediate threat to natural areas but do compete with more desirable native species. These can often be tolerated in restoration projects if they are already present. They may eventually be replaced through natural succession or management. Control where necessary and limit their spread to other areas.

(Urban Forest Associates Inc. 2002)

#### 2.2 Wildlife Use

Wildlife studies were limited to those identified in Savanta's NHIS report and incidental observations made during the Kuntz Forestry Consulting Inc. site visits. The NHIS study identified

the Lower West Don River traversing the site as a tolerant warmwater fishery. Aquatic species located within the stretch of the Lower West Don River traversing the site are those typically found in tolerant warmwater. Species identified on-site included during Kuntz Forestry Consulting Inc. site visits are identified as one mammal species, Grey Squirrel (*Sciurus carolinensis*), five bird species, Mallard Duck (*Anas platyrhynchos*), Canada Goose (*Branta canadensis*), Northern Cardinal (*Cardinalis cardinalis*), Red-winged Blackbird (*Agelaius phoeniceus*) and Black-capped Chickadee (*Poecile atricapillus*), and one reptile species of Garter Snake (*Thamnophis sp.*). Numerous burrowing animal dens were noted onsite and potentially belong to groundhogs (*Marmota monax*) or red foxes (*Vulpes vulpes*).

The subject property is located within the West Don River valley system, a deciduous forest ravine system that extends beyond the subject property's boundaries to the northwest and southeast where it is fragmented by existing development including the Don River Golf Course, residential and commercial land use, and transportation routes. Due to impacts from urban development including community fragmentation, an increase in impervious surfaces and an increase in non-native and/or invasive species, the subject property habitat has adapted to support species more tolerable of urban conditions.

#### 2.3 Tree Assessment

The field assessments for the original Tree Inventory and Preservation Plan were conducted on the 13 April 2010, 10 January 2011, and 11 September 2015. Initial field assessments were conducted on 13 April 2010 and included portions of the wooded ravine area that were 5 metres from the proposed development. Individual trees were tagged with the numbers 618 – 735. A second inventory was conducted on 10 January 2011, to include all trees within 12 metres of the proposed development. Individual trees were tagged with the numbers 1 – 147 during the second inventory. A third site visit was conducted on 11 September 2015 to update the existing tree inventory for dead, removed or missing trees, and to conduct a 100% tally of all untagged trees and tree regeneration.

The majority of the trees identified during the 13 April 2010 inventory were located by topographic survey. Measurements were taken on site from trees on the existing topographic survey to determine the approximate location of trees that were not surveyed but were included in the inventory. During the 10 January 2011 field assessment, approximate locations of some trees were located on the ortho-photo in-field to provide a benchmark for located the tagged tree resources.

The previously completed tree inventory was updated on 24 January 2020 and 28 January 2020. Trees of all sizes on and within 12 metres of the proposed development were included in the inventory update. Trees were located using the topographic survey provided and estimates made in the field. Due to the slope topography, not all trees have been identified on Figure 1. Instead, all trees located close to the top of the slope have been identified and key trees near the bottom of the slope were identified using aerial imagery. As all trees are currently being proposed for removal due to slope restoration works, RNFP is satisfied with this methodology.

Individual tree resources were assessed for condition utilizing the following parameters:

**Tree #** - numbers assigned to tree.

**Species** - common and botanical names.

**DBH** - diameter (centimeters) at breast height, measured at 1.4 metres above the ground.

**Condition** - condition of tree considering trunk integrity, crown structure and crown.

vigor. Condition ratings include poor (P), fair (F), and good (G).

Comments - additional relevant detail.

A 100% tally was conducted for all untagged trees and tree regeneration within the subject area. All trees below 10cm DBH and trees that were not able to be tagged due to topography were included in the 100% tally. Trees within the 100% tally were assessed utilizing the following parameters:

**Species:** Common and botanical names provided in the inventory table;

**Size Class (DBH):** <10 cm, 11-20 cm, 31-40 cm, 41-50 cm

The updated tree inventory documented a total of 243 trees located within the proximity of disturbance on the subject property and on the neighbouring property to the north. Trees included in the inventory were tagged 1 – 147, 618 – 735, 780 – 804, and 1418. Two trees located on the neighbouring property were labelled with the letters "A" and "F". One Siberian Elm located directly on the corner of Yonge Street and Wilson Avenue was labelled with the letter "B". One Siberian Elm located on the east side of the Wilson Avenue parking lot entrance was labelled with the letter "G". A Siberian Elm located within the Yonge Street right-of-way was labelled with the letter "H". Fifty-nine (59) trees that were included in the original inventory no longer exist (either missing or have been removed). The 100% tally of all remaining trees (trees not tagged) documented nine trees greater than 10cm DBH and 356 trees less than 10cm DBH, for a total of 365 trees.

Tree resources included in the inventory are comprised of 47% Siberian Elm (*Ulmus pumila*), 27% Manitoba Maple (*Acer negundo*), 22% Norway Maple (*Acer platanoides*), 4% Green Ash (*Fraxinus pennsylvanica*), and 2% White Elm (*Ulmus americana*) with associates of Weeping Willow (*Salix x pendula*), Staghorn Sumac (*Rhus typhina*), Silver Maple (*Acer saccharinum*), Black Locust (*Robinia pseudoacacia*), Filbert species (*Corylus* sp.), Eastern Cottonwood (*Populus deltoides*), White Ash (*Fraxinus americana*), Black Walnut (*Juglans nigra*) and Basswood (*Tilia americana*).

Refer to Appendix C for the detailed individual tree inventory table and Appendix D for a 100% tally of remaining trees excluded from the individual tree inventory. Refer to Figure 2 for the locations of trees.

#### 3.0 PROPOSED DEVELOPMENT

The proposed development is comprised of a multi-storey mixed-use building with associated underground parking, amenity areas, and landscaping upgrades. Refer to Figure 1 for the proposed site plan.

## 3.1 Preservation Planning

The following section provides a discussion and analysis of rehabilitation impacts, tree removal, and tree preservation impacts to trees relative to the proposed works.

#### 3.1.1 Development Impacts

The removal of all trees except for Tree A will be required due to their species and condition, grading, civil works, landscaping works, and to accommodate proposed ravine remediation works. A total of 251 trees greater than 10cm DBH and 356 trees less than 10cm DBH will require removal due to their species, health and condition, and/or to accommodate the proposed development. Refer to Appendix C for tree removal rationale.

#### 3.1.2 Tree Removal

The trees included in the inventory are comprised almost exclusively of Siberian Elm, Manitoba Maple and Norway Maple. Manitoba Maple is ranked as a Category 1 invasive species, while Siberian Elm and Norway Maple are both ranked as Category 2 invasive species (Urban Forest Associates Inc., 2002). Many trees are exhibiting moderate to heavy poor form (asymmetrical crowns) as they are growing out over the parking lot in competition for sunlight. It should also be noted that many edge trees have been top-cut towards the base of their original crowns and do not warrant preservation within the urban matrix. Considering the invasive nature of the species dominating the ravine, the poor form of many edge trees and the lack of native regeneration, their removal is required and recommended with compensation to be provided in the form of restoration of the natural feature.

Tree F is a Siberian Elm in declining condition and is recommended for removal. Removal of Tree F will require the neighbouring property owner's permission as it is a shared tree. Tree H is located within the City of Toronto right-of-way, therefore permission from the City of Toronto will be required prior to its removal. Considering that the removal of the entire east ravine feature is recommended primarily based on the invasive nature of the Siberian Elm, the removal of this tree is also recommended on the same basis, providing it is replaced by native species. Refer to Figure 2 of this report for tree locations.

#### 3.1.3 Tree Preservation and Tree Protection Recommendations

Preservation of Tree A, a mature Weeping Willow, will be possible with appropriate tree preservation measures. The tree is located 2.1 meters from the surveyed bottom of slope. Tree roots generally exploit water resources and other resources that can be easily accessed, and considering water runs downhill, very few tree roots are anticipated to be located uphill within the boundaries of the proposed development.

Based on the City of Toronto's standards, the minimum Tree Protection Zone (mTPZ) for this tree is 24.6 meters. This distance extends past the top of bank and onto the existing asphalt parking lot. It is unlikely that tree roots exist here and the tree protection fencing has been proposed at the stable top of slope line.

Encroachment into the Tree Protection Zone (TPZ) of this tree will be required to accommodate tree removals, site preparation for restoration planting and restoration planting. Tree removals within the mTPZ of Tree A should occur during the winter months while the soil is frozen, to prevent damage to the root zone of this tree. The removal of debris, refuse, and fill will be required to prepare the northern slope for restoration planting. The removal of debris and refuse within the TPZ should be conducted by hand. Tree root exploration using hand tools and/or air spade may be used to ensure fill removal does not impact the roots of this tree. The application of topsoil within the TPZ of this tree should retain pre-existing grades. No heavy equipment is permitted within the TPZ of this tree. All works completed within the TPZ of this tree should be supervised by a Certified Arborist or registered professional forester (R.P.F.).

Tree protection measures must be implemented prior to construction phase to ensure that all trees identified for preservation are not impacted by the development. Refer to Figure 2 for tree protection zone locations and further tree protection notes.

#### 4.0 RAVINE STEWARDSHIP PLAN

The existing forest community occupying the Lower West Don River valley system adjacent to the subject property is dominated by Siberian Elm, a non-native invasive species which has contributed to a low ecological integrity for the natural feature. Surrounding urban development has resulted in a number of impacts to the adjacent ravine system including the dumping of industrial and household debris and the spread of non-native invasive species, which has resulted in a severely disturbed and degraded natural ravine system area.

Natural heritage resources located within the ravine and natural feature protection area for the subject property represent a very low constraint to the proposed development due to the high percentage of invasive species and level of disturbance within the ravine system. Remediation of the ravine system through the removal of the existing invasive forest community and subsequent native plantings is recommended resulting in an overall increase in floristic quality and ecological integrity.

Refer to Kuntz Forestry Consulting Inc.'s Tree Inventory and Preservation Plan, 4050 Yonge Street, Toronto, ON (20 May 2015, revised 25 March 2021) for a detailed inventory of tree resources comprising the west and north slopes of the subject property (east of the river).

## 4.1 Goals and Management Issues

The general stewardship goals for the subject property (east of river) include the replacement of the non-native forest canopy and the restoration and enhancement of the ravine feature. Key management issues identified and addressed in the Plan include the following:

- Disease one instance of target canker
- Litter extensive household garbage is scattered throughout the feature
- Debris/Dumping construction debris from original construction of parking lot and large woody debris from tree cutting present

- Non-native, Invasive species Siberian Elm, Manitoba Maple, Norway Maple, Goutweed, Dog-Strangling Vine, Canada Thistle, Garlic Mustard, Dames Rocket, Tatarian Honeysuckle, Celandine, Black Locust, and Common Buckthorn throughout the feature
- Eroded gullies overland flow has eroded drainage channels in surface topography
- Native Species Diversity very low
- Restoration the existing canopy will require removal and will be replaced with native tree, shrub and herbaceous plantings up to the stable top of slope

### 4.2 Management Objectives and Strategies

Refer to the following objectives and strategies developed to address the specific management issues identified during the site assessment.

#### 4.2.1 Site Clean-up and Preparation

#### Objective:

Prepare the slopes to provide a suitable growing environment for native species restoration plantings.

#### Strategy:

Removal of existing debris from ravine system and preparation of planting areas prior to implementation of restoration work.

#### Implementation:

#### North and West Slope

Removal of forest resources in the West and North Slope areas is required to accommodate restoration of the forest with native species. Tree stumps may be retained for soil stability on the slopes, depending on the extent of fill removal required. Tree removals should occur just prior to restoration activities, where possible. A boom truck can be used to extract felled trees from the slope areas.

Removal of the various refuse items, large woody debris and piles of construction material waste will be implemented by hand (if possible), to prevent additional impacts to the slope feature. Large and heavy materials, such as concrete, asphalt or large logs may be removed using light equipment (i.e. Bobcat), if necessary. Horizontal hoarding should be laid underneath the path of the light equipment to minimize soil compaction on the north slope, particularly over the minimum Tree Protection Zone of Tree A. All refuse, debris and materials should be removed and taken off-site.

In order to determine the suitability of the current soil conditions on the north slope for plant growth, composite soil testing at a minimum of 5 soil core samples per 4000 m<sup>2</sup> (TRCA, 2012) will be completed prior to slope restoration works. The soil core samples will determine soil pH, organic matter, bulk density, particle size, and soil texture classification prior to the start of construction. The results of these soil samples will determine the appropriate topsoil application

depth (minimum 30 cm) required for adequate growing conditions. Material removal (i.e. fill) may be required to accommodate topsoil additions to maintain existing grades.

Based on Toronto and Region Conservation Authority's (TRCA) Preserving and Restoring Healthy Soil: Best Practices for Urban Construction (2012) guidelines, the following soil specifications for the topsoil applications are proposed:

- Loam soil (40% sand, 40% silt and 20% clay)
- 15% organic matter content
- Bulk density of less than 1.4 grams/cm<sup>3</sup>
- pH of 6-8

### 4.2.2 Invasive Species Removal and Management

Impacts to the ravine system's biodiversity include habitat fragmentation from urban development, dumping of minor debris, and presence of non-native/invasive species. Invasive species removal for the subject property should be based on the removal of Siberian Elm, Manitoba Maple, Norway Maple, Goutweed, Dog-Strangling Vine, Canada Thistle, Garlic Mustard, Dames Rocket, Tatarian Honeysuckle, Celandine, Black Locust, and Common Buckthorn (Category 1 and 2 species). Proper removal and management of invasive species will improve the floristic quality of the subject property's ravine slope feature and increase the overall ecological integrity of the site.

#### Objective:

Preserve and re-establish populations of native species to increase biological richness of ravine environment.

#### Strategies:

Remove the identified non-native, invasive species and re-plant with recommended native species while improving slope stability.

#### Implementation:

Invasive species removal for the ravine-protected portion of the subject property should target the removal of Category 1 and Category 2 species which include Siberian Elm, Manitoba Maple, Norway Maple, Goutweed, Dog-Strangling Vine, Canada Thistle, Garlic Mustard, Dame's Rocket, Tatarian Honeysuckle, Black Locust, and Common Buckthorn. Proper removal and management of invasive species will improve the floristic quality of the subject property's ravine slope feature and increase the overall ecological integrity of the site.

Due to feasibility issues, long-term efforts should focus mainly on Tatarian Honeysuckle, Buckthorn and Norway Maple, Siberian Elm, and Manitoba Maple regeneration and/or coppice growth. As the western and northern slopes will be cleaned up, many of the invasive species will be removed during these processes. The removal of fill will reduce the existing seed bank of invasive species and this will be replaced with healthy topsoil. Efforts controlling invasive species should be limited to the control methods described below, following site preparation and clean-up and as necessary for the long-term control of invasive shrub species. The nurse crop proposed

to be installed as described in section 4.2.4 should help to control any remaining herbaceous invasive species.

Planting of native species immediately following the removal of identified invasive species will be required to minimize re-establishment of non-native, invasive species. Potential impacts of delayed restoration may include increased erosion, opening of the canopy leading to a negative effect on existing native plants, colonization from existing invasive species, impacts to local wildlife and changes in drainage and increased sedimentation to the adjacent watercourse (Daigle, 1996). Refer to Section 4.2.3 for a more detailed discussion regarding timing of restoration.

Many of the invasive species identified for the valley system have been identified by Environment Canada's, Canadian Wildlife Service, as serious threats to Ontario's natural areas (CWS, 1993). Proper removal and management will improve the native biodiversity of the natural heritage features and increase the overall ecological integrity. The goal of the removal and management strategy is to reduce competition from non-native species and to provide a competitive advantage to high functioning native species. This is achieved through aggressive removal of the identified species by removing large quantities within the natural heritage features and replacing them with desirable species. Table 2 identifies removal and control strategies for priority invasive species. Control strategies of woody species should continue for a minimum of five years after initial efforts, as needed and as identified in monitoring events, discussed in section 4.3.

Table 2. Removal and Control Strategies for Priority Invasive Species

Invasive Species	Biology	Removal and Control Strategy	Timing
Manitoba Maple / Norway Maple / Siberian Elm	Hardy, fast growing tree that can tolerant dry, extremely cold conditions and extended periods of flooding. Inhabits a number of habitat types including woodlands, woodland edges, floodplains, meadows, wetlands.	Girdling and stem cutting is recommend for mature specimens. A glyphosate-based herbicide should be applied immediately following cutting to suppress coppice growth. Successful control of this species may require repeated cuttings throughout the first three years. Small specimens may be hand pulled.	Removal of Manitoba Maple / Siberian Elm is most efficiently removed in fall/late fall when most other plants are entering dormancy to prevent any negative impacts on surrounding native species.
Common Buckthorn	Dioecious shrub; females produce berrylike drupes. Typically found in upland habitats, floodplain forests, woodland edges, hedgerows and old fields. Common Buckthorn has a tolerance of a wide range of conditions allowing it to reproduce successively within various habitat types. High seed production and germination rates.	Girdling and stem cutting is recommend for mature specimens. A glyphosate-based herbicide should be applied immediately following cutting. Successful control of this species may require repeated cuttings throughout the first three years. Small specimens may be hand pulled.	Removal of Common Buckthorn is most efficiently removed in fall/late fall when most other plants are entering dormancy to prevent any negative impacts on surrounding native species.

Tartarian Honeysuckle	Invades meadows, forest edges, and disturbed successional communities. Moderately shade tolerant, present within canopy gaps. Prolific seed production, berries popular food source for birds which then spread seed across landscape. Once population is established, sprouting will occur.	Repeated stem cutting to ground level may result in high mortality. A glyphosate-based herbicide should be applied immediately following cutting. Small specimens may be hand pulled.	Removal of Tartarian Honeysuckle is most efficiently removed in fall/late fall when most other plants are entering dormancy to prevent any negative impacts on surrounding native species.
Garlic Mustard	Dominates forest herb layer	Manual removal (hand-pulling or spading) is the ideal removal method for this species specifically near ground level. Flowering stems may also be cut to avoid the spread of seeds. Herbicide spraying is not recommended as it may be detrimental to surrounding native plant species. As this is a highly prolific species, on-going removal and management is required to successfully manage this species.  All plant material should be removed from the site and preferably placed in dark plastic bags in the sun offsite to aid in the solarization of plants and rootstocks.	Removal should occur early in the growing season to avoid seed dispersal.  Removal later in the season should target flowering stems prior to seed maturation to negate re-sprouting.
Goutweed	Dominates forest understory. Forms dense mats and is shade tolerant. Population expansion occurs by primarily by vegetative means from rhizomes.	Manual removal (hand-pulling or spading) is the ideal removal method for this species specifically near ground level.  New infestations should be rapidly treated to prevent establishment of root system.  All plant material should be removed from the site and preferably placed in dark plastic bags in the sun off-site to aid in the solarization of plants and rootstocks.	Removal of Goutweed can occur in early spring therefore preventing plants from obtaining optimal photosynthesis to replenish carbohydrate reserves thus limiting the spread of the species. Additional removal may occur throughout the growing season but care must be taken not to impact surrounding native plant species.
Dame's Rocket	Dominates open forest understory and meadows. Short-lived, planted ornamental.	Manual removal (hand- pulling or spading) is the ideal removal method for this species specifically near ground level. Flowering stems may also be cut to avoid the spread of seeds.	Removal should occur early in the growing season to avoid seed dispersal.  Removal later in the season should target flowering stems

		Herbicide spraying is not recommended as it may be detrimental to surrounding native plant species. As this is a highly prolific species, on-going removal and management is required to successfully manage this species.  All plant material should be removed from the site and preferably placed in dark plastic bags in the sun offsite to aid in the solarization of plants and rootstocks.	prior to seed maturation to negate re-sprouting.
Canada Thistle	Dominates meadows, prairies, forest edges. Spreads by seed production and vegetatively by production of rhizomes.	Manual removal (cutting, or spading) is the ideal removal method for this species specifically near ground level. Flowering stems may also be cut to avoid the spread of seeds. Herbicide spraying is not recommended as it may be detrimental to surrounding native plant species. As this is a highly prolific species, on-going removal and management is required to successfully manage this species.  All plant material should be removed from the site and preferably placed in dark plastic bags in the sun offsite to aid in the solarization of plants and rootstocks.	Removal of Canada Thistle can occur in early spring therefore preventing plants from obtaining optimal photosynthesis to replenish carbohydrate reserves thus limiting the spread of the species. Additional removal may occur throughout the growing season but care must be taken not to impact surrounding native plant species.
Dog-strangling Vine	Dominates meadows and forest understorey. Forms dense populations and smothers native vegetation.	Manual removal (hand-pulling or spading) is the ideal removal method for this species specifically near ground level. Flowering stems may also be cut to avoid the spread of seeds. Herbicide spraying is not recommended as it may be detrimental to surrounding native plant species. As this is a highly prolific species, on-going removal and management is required to successfully manage this species.  All plant material should be removed from the site and preferably placed in dark plastic bags in the sun off-	Removal should occur early in the growing season to avoid seed dispersal.  Removal later in the season should target flowering stems prior to seed maturation to negate re-sprouting.

		site to aid in the solarization of plants and rootstocks.	
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(CWS 1993 and EC 1999)

Plantings should be implemented in areas subject to invasive species removal to eliminate or reduce the re-introduction of invasive plant species. Plantings should incorporate native tree, shrub and herbaceous species appropriate to the natural heritage feature.

#### 4.2.3 Slope Stabilization

#### Objective:

Prevent the erosion and destabilization of the ravine slope and prevent the long-term meandering of the river through the development area.

#### <u>Strategy</u>

Implement solutions along the slope to maintain the structural integrity of the slope, while utilization natural stabilization techniques.

#### **Timing**

Slope stabilization and restoration planting are proposed within 24 months of the initial start of site works, including excavation and below ground building construction. It is recommended that the trees be retained during this period in order to maintain soil and slope stability prior to slope stabilization works. Select tree removals may be required to accommodate excavation and a construction ramp. Hazardous trees within striking distance of the construction should be removed prior to the start of construction. Any trees that will be destabilized as a result of the construction should be removed prior to the start of construction. All remaining tree removals should be conducted in the winter months while the soil is frozen, to minimize disturbance to the site, including soil erosion. Woody, non-native species removal on the north slope should be conducted during the dormant season of the proposed tree removals. In order to minimize the time between tree removals and restoration planting, it is recommended that the slopes are planted and hydro-seeded as soon as possible following the tree removals and site preparation, to stabilize the slopes and prevent re-establishment of non-native, invasive species. If the slopes cannot be restored immediately, then additional measures may be recommended. Additional measures may include temporary erosion and sediment control techniques (such as staked fibre rolls) and/or the application of a solarization blanket to minimize the re-establishment of nonnative, invasive species and to reduce the non-native, invasive species seed bank. application of topsoil should be conducted just prior to restoration plantings.

#### *Implementation*

Due to the recommended removal of the invasive Siberian Elm forest canopy along the slopes and the addition of topsoil, the use of hydro-seeding is recommended to establish slope stability and improve success of restoration plantings. The application of hydro-seed with an approved tackifier is recommended prior to the planting of trees and shrubs and will help prevent soil erosion, slumping, and uprooting of planted material. The hydro-seed will be applied on top of

the topsoil addition. Refer to Section 4.2.4 for additional hydro-seeding specifications. The removal of Siberian Elm stumps may be required to accommodate fill removal for site preparation (to be determine based on soil surveys in prior to slope restoration). Retention of Siberian Elm stumps may help prevent further impacts to the existing slope and maintain soil stability. A glyphosate-based herbicide should be applied immediately following cutting to suppress coppice growth. Successful control of this species may require repeated cuttings throughout the first three years. Small specimens may be hand pulled. Refer to Table 3 for the proposed planting schedule and Figure 3 for the restoration plan.

#### 4.2.4 Forest Health

#### Objective:

Improve forest health and ecological function of natural ravine area.

#### Strategies:

Improve floristic quality through establishment of three layers comprised of herbaceous, shrub and tree plantings to mimic natural forest structure. Use of native forest nursery stock adapted to local conditions is required.

#### *Implementation:*

Trees are to be removed and the site prepared per the Site Clean-Up and Preparation section noted above. Plantings identified below will occur in the northern and western slope restoration areas. Refer to Figure 3 for the location of the planting areas.

Recommended tree, shrub and herbaceous species will help re-establish vegetation layers, improve soil stability, and increase the number of native species adapted to the existing environmental conditions. Species selection is based on native nursery stock availability and species adapted to the existing environmental conditions. Tree and shrub layers will be planted using bare root or container stock, and herbaceous species shall be applied using hydro-seeding as discussed below. The site clean-up and preparation, invasive species removal, and slope stabilization activities described above should be implemented prior to planting.

The restoration works described here, including tree and shrub plantings, are recommended to be implemented by a reputable ecological restoration company during the appropriate planting windows as noted in the planting schedules on Figure 3. Refer to Table 3 for the planting schedules for both the northern and western slope areas. Refer to Figure 3 for the restoration planting areas.

If possible, trees planted should be of bare root type with moderately advanced branching. Should planting efforts occur outside of bare root season, 2-gallon potted container stock can be substituted given they are appropriately watered.

**Table 3. Proposed Restoration Planting Schedule** 

Zone	Туре	Qty	Botanical Name	Common Name	Stock Size	Planting Window
		50	Acer saccharum ssp. saccharum	Sugar Maple	Bare root	mid-April to the end of May or mid-October to the end of November.
	Trees	35	Quercus rubra	Red Oak	Bare root	mid-April to the end of May or mid-October to the end of November.
	11663	35	Tilia americana	Basswood		mid-April to the end of May or mid-October to the end of November.
		35	Thuja occidentalis	Eastern White Cedar	Bare root	mid-April to the end of May or mid-October to the end of November.
Northern Side - (0.11ha)	Shrubs	124	Prunus virginiana ssp. virginiana	Choke Cherry	2 gal pot	after no further risk of frost until September 30
		124	Diervilla Ionicera	Bush Honeysuckle	2 gal pot	after no further risk of frost until September 30
		124	Cornus foemina	Gray Dogwood	2 gal pot	after no further risk of frost until September 30
		124	Rubus odoratus	Flowering Raspberry	2 gal pot	after no further risk of frost until September 30
		124	Cornus alternifolia	Alternate-leaf Dogwood	2 gal pot	after no further risk of frost until September 30

		17	Tilia americana	Basswood	Bare root	mid-April to the end of May or mid-October to the end of November.
		17	Acer rubrum	Red Maple	Bare root	mid-April to the end of May or mid-October to the end of November.
		17	Acer saccharum spp. saccharum	Sugar Maple	Bare root	mid-April to the end of May or mid-October to the end of November.
	Trees	19	Juglans nigra	Black Walnut	Bare root	mid-April to the end of May or mid-October to the end of November.
	11663	21	Populus tremuloides	Trembling Aspen	Bare root	mid-April to the end of May or mid-October to the end of November.
		21	Populus grandidentata	Largetooth Aspen	Bare root	mid-April to the end of May or mid-October to the end of November.
Western Side, Restoration		29	Quercus macrocarpa	Bur Oak	Bare root	mid-April to the end of May or mid-October to the end of November.
Slope (0.12ha)		29	Thuja occidentalis	Eastern White Cedar	Bare root	mid-April to the end of May or mid-October to the end of November.
		113	Prunus virginiana ssp. virginiana	Choke Cherry	2 gal pot	after no further risk of frost until September 30
		113	Cornus alternifolia	Alternate-leaf Dogwood	2 gal pot	after no further risk of frost until September 30
	Shrubs	113	Alnus incana ssp. rugosa	Speckled Alder	2 gal pot	after no further risk of frost until September 30
	Siliubs	113	Cornus foemina	Gray Dogwood	2 gal pot	after no further risk of frost until September 30
		113	Cornus sericea	Red-Osier Dogwood	2 gal pot	after no further risk of frost until September 30
		115	Sambucus racemosa	Red-berried Elderberry	2 gal pot	after no further risk of frost until September 30

Planting locations specified on Figure 3 are general areas; plantings should occur according to micro-site selection following the general guidelines outlined in the following section. Species should be planted evenly throughout each of the two respective planting areas.

The proposed planting plan will help restore the floristic quality and ecological integrity of the subject property's ravine community. Species selection promotes the use of pioneer trees along with shade-tolerant trees, shrubs and herbaceous plant species to help establish an appropriate cover crop while accelerating the process of natural succession. Multi-layered plantings and seeding forming distinct vegetation layers should be implemented mirroring a natural forest model of canopy-understory-ground layer. It is recommended that tree species be planted on 3 metre centres, and shrub species be planted on 1.5-2 metre centres to promote natural density coverage of forested communities.

Prior to restoration planting, hydro-seeding is recommended to prevent soil erosion, slumping and uprooting of planted material. Seed rate of the native herbaceous species mix is 10kg/ha. Hydro-seeding can occur from frost-free period to mid-November, with different nurse crops recommended based on the time of year. Recommended nurse crops based on the time of application are as follows, with appropriate seed rates:

- 1. Annual Rye (*Lolium perenne*) April 15 (pending no further risk of frost) to September 15 (with watering): 30 kg/ha
- 2. Buckwheat (Fagopyrum esculentum) June 1 to July 31 (with watering) winter kill: 40kg/ha
- 3. Oats (*Avena sativa*) April 15 (pending no further risk of frost) to May 31 & August 1 to August 31 (with watering) winter kill: 65 kg/ha
- 4. Canada Wild Rye (Elymus canadensis) October 15 to November 15: 10 kg/ha

The application of a nurse crop and native herbaceous species will help control invasive species and prevent erosion while native tree and shrub species establish over a 2-3 year period. It is recommended that hydro-seeding occur as soon as possible following topsoil application, and prior to the planting of bareroot trees and shrubs. Hydro-seeding will be applied on top of the topsoil application. For fall hydro-seeding, a short-term biodegradable erosion control blanket is

recommended on the slopes to stabilize the soil prior to vegetation establishment and prior to the spring freshet. See below for the native herbaceous species seed mix:

15% Poverty Oat Grass (Danthonia spicata)

15% Witch Grass (Panicum capillare)

10% Canada Goldenrod (Solidago canadensis)

10% Common Milkweed (Asclepias syriaca)

10% Evening Primose (*Oenothera biennis*)

10% Heart Leaved Aster (Symphyotrichum cordifolium)

10% Heath Aster (Symphyotrichum ericoides var. ericoides)

10% Tall Goldenrod (Solidago altissima var. altissima)

5% Black Eyed Susan (Rudbeckia hirta)

5% Wild Bergamot (*Monarda fistulosa*)

The establishment of microhabitats along the slopes is recommended to allow for pockets of leaf litter and detritus accumulation and increased moisture. Microhabitats can be created using horizontal placement of native logs, or horizontal placement and staking of seeded coir logs and erosion and sediment control (silt) socks. The same native herbaceous seed mix used in the hydro-seed may be used within the logs and/or socks. These microhabitats should be installed prior to tree and shrub plantings. The locations of these microhabitats will be determined in situ.

## 4.3 Maintenance and Monitoring

#### Objective:

Track the success of ecological restoration initiatives and guide the short and long-term maintenance of the restored features.

#### Strategy:

Execute monitoring strategies and create monitoring schedule involving periodic site inspections by contractor and/or responsible agencies.

#### *Implementation*:

Watering of planted bare root and container stock is recommended once a week from the time of planting until the end of the first growing season (mid-fall). Additional watering may be required during droughty summer conditions (i.e. twice a week). Watering should be completed in the early morning to minimize evaporation loss.

Short-term maintenance and monitoring events should occur twice during the growing season, if applicable, for the year following the implementation of restoration plantings and initiatives. Due to the limited size of the subject property, permanent plots or sample quadrants are not necessary for successful monitoring. Visual analysis incorporating detailed notes to address survivorship of plant species, individual plant health and potential growth of invasive species is recommended. Mortality of all planted individuals should be determined and the causes of mortality identified (shade intolerance, herbivory, drought, etc.). Required removal and control of invasive species should be identified during monitoring events to prevent invasive species from becoming well established.

Removal of regenerating Siberian Elm, Norway Maple, Manitoba Maple, Buckthorn and Honeysuckle throughout the property is vital to the success of the restoration plan. Invasive species removal to be conducted by hand to minimize disturbance to the restored areas.

Long-term monitoring events should track the success of restoration initiatives and monitor the spread and/or re-establishment of non-native/invasive species. Invasive species management efforts should continue as needed from years 3 to 5 subsequent to the first two years of short-term monitoring and maintenance. Monitoring events should occur annually from years 3 to 5 to assess restoration success and level of invasive species. After five years, planted stock should be sufficiently established and frequent monitoring will no longer be necessary. Long-term monitoring (greater than five years) of the restored slopes will occur on an as-needed basis. A threshold of greater than 85% established cover of native species for two consecutive years is recommended to determine whether continued monitoring up to 10 years will be required. For example, if the monitoring events in years 4 and 5 determine a native species cover of greater than 85% cover, than continued monitoring will no longer be required. Replacement plantings and seeding will be determined based on the monitoring events and will be recommended to ensure an 80% survival rate of planted stock. Refer to Table 4 for the detailed invasive species management and monitoring schedule and Figure 4 for the general locations of invasive species management and maintenance.

 Table 4. Invasive Species Management, Restoration Maintenance and Monitoring Schedule

Year	Objective	Task Description	Frequency/Timing
Year 1	Invasive Species Management	Invasive species removal following initial tree, woody shrub and herbaceous species removal and following restoration: remove coppice growth from stumps on the northern side, re-apply glyphosate (if required) (Area 1)	Late fall (one event)
	Restoration Planting/Hydro- seeding	Conduct slope restoration works, including hydro-seeding and restoration planting (All areas)	variable
	Invasive Species Management	Remove coppice growth from stumps, hand-pull seedlings of woody, non-native invasive species (Area 1, Area 3 as required)	Late fall (one event)
Year 2	Replacement Plantings	Additional plantings to maintain an 80% survival rate of planted stock (Areas 1 and 2)	As necessary based on monitoring event
	Monitoring	Monitor success of plantings and identify causes of mortality, note potential growth of herbaceous and woody non-native invasive species (All areas)	Twice; During the growing season (summer) and end of growing season (early to mid-Fall)
	Invasive Species Management	Remove coppice growth from stumps, hand-pull seedlings of woody, non-native invasive species (Area 1, Area 3 as required)	As necessary based on monitoring event
Year 3	Replacement Plantings	Additional plantings to maintain an 80% survival rate of planted stock (Areas 1 and 2)	As necessary based on monitoring event
	Monitoring	Monitor success of plantings and identify causes of mortality, note potential growth of herbaceous and woody non-native invasive species (All areas)	Annually during the growing season
	Invasive Species Management	Remove coppice growth from stumps, hand-pull seedlings of woody, non-native invasive species (Area 1, Area 3 as required)	As necessary based on monitoring event
Year 4	Replacement Plantings	Additional plantings to maintain an 80% survival rate of planted stock (Areas 1 and 2)	As necessary based on monitoring event
	Monitoring	Monitor success of plantings and identify causes of mortality, note potential growth of herbaceous and woody non-native invasive species (All areas)	Annually during the growing season
	Invasive Species  Management	Remove coppice growth from stumps, hand-pull seedlings of woody, non-native invasive species (Area 1, Area 3 as required)	As necessary based on monitoring event
Year 5	Replacement Plantings	Additional plantings to maintain an 80% survival rate of planted stock (Areas 1 and 2)	As necessary based on monitoring event

	Monitoring	Monitor success of plantings and identify causes of mortality, note potential growth of herbaceous and woody non-native invasive species (All areas)	Annually during the growing season
Years 6-10	Monitoring	Monitor success of plantings, monitoring potential growth of invasive species	As necessary; it is recommended that monitoring continue until greater than 85% established cover of native species is observed for two consecutive years, including in Years 4 and 5.

#### 5.0 CONCLUSION

Kuntz Forestry Consulting Inc. was retained by Easton's Group of Companies to complete a Ravine Stewardship Plan and report in support of a development application for a property located at 4050 Yonge Street in Toronto, Ontario. The entire subject property is subject to the City of Toronto's Ravine and Natural Feature Protection By-law (Chapter 658). Construction of the existing TTC parking facility within the Ravine lands and extensive land use have contributed to a number of impacts to the Lower West Don River ravine system including establishment of an invasive non-native forest canopy, low biodiversity, and extensive dumping of various refuse items. Removal of existing debris and the implementation of the proposed Ravine Stewardship Plan will provide restoration and enhancement for the existing ravine feature including improved forest health and biodiversity in conjunction with the proposed development.

Respectfully Submitted, Kuntz Forestry Consulting Inc.

Peter Kuntz

Jenn Reader

Peter Kuntz, H.B.Sc.F., R.P.F.

Consulting Professional Forester

Jenn Reader, B.Sc., E.R.P.G. Associate Ecologist

## Celine Batterink

Celine Batterink, H.B.Sc. Ecology ISA Certified Arborist #ON-1546A, Associate Ecologist

# Amy Choi

Amy Choi, B.Sc.(Env.), M.Sc.F. ISA Certified Arborist #ON-1609A, Associate Forest Ecologist

# Kimberly Dowell

Kimberly Dowell, Urban Forestry Specialist Master of Forest Conservation, ISA Certified Arborist #PN-8858A

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## APPENDIX A. WORKING VASCULAR PLANT SPECIES LIST

February 2020

Scientific Name	Common Name	Non-Native
DRYOPTERIDACEAE	WOOD FERN FAMILY	14011-14ative
Matteuccia struthiopteris (L.) Todaro	American Ostrich Fern	
EQUISETACEAE	HORSETAIL FAMILY	
Equisetum arvense L.	Field Horsetail	
ARACEAE	ARUM FAMILY	
Arisaema triphyllum (L.) Schott	Jack-in-the-pulpit	
CYPERACEAE	SEDGE FAMILY	
Carex granularis	Meadow Sedge	
Carex spp.	Sedge	
LILIACEAE	LILY FAMILY	
Erythronium americanum Ker	Yellow Trout Lily	
Maianthemum racemosum (L.) Link	False Solomon's-seal	
Trillium grandiflorum (Michx.) Salisb.	White Trillium	
ACERACEAE	MAPLE FAMILY	
Acer negundo L.	Manitoba Maple	
Acer platanoides	Norway Maple	X
Acer saccharinum L.	Silver Maple	^
Acer saccharum Marsh.	Sugar Maple	
ANACARDIACEAE	SUMAC FAMILY	
Toxicodendron rydbergii	Rydberg's Poison Ivy	
Rhus typhina	Staghorn Sumac	
APIACEAE	CARROT FAMILY	
Aegopodium podagraria	Goutweed	x
Daucus carota L.	Wild Carrot, Queen Anne's Lace	x
ASCLEPIADACEAE	MILKWEED FAMILY	^
Asclepias syriaca	Common Milkweed	
Cynanchum rossicum	Dog-strangling vine	x
ASTERACEAE	ASTER FAMILY	
Achillea millefolium	Yarrow	x
Arctium minus (Hill) Bernh.	Common Burdock	X
Aster spp.	Aster	
Symphyotrichum lanceolatum ssp. lanceolatum	Tall White Aster	
Cichorium intybus	Chicory	x
Cirsium arvense	Canada Thistle	X
Erigeron strigosus	Daisy Fleabane	
Solidago altissima L.	Tall Goldenrod	
Solidago canadensis L.	Canada Goldenrod	
Solidago flexicaulis	Zig-zag Goldenrod	
Sonchus arvensis ssp. arvensis	Field Sow-thistle	x
Taraxacum officinale Weber	Dandelion	X
BALSAMINACEAE	TOUCH-ME-NOT FAMILY	
Impatiens capensis	Spotted Jewelweed	
BORAGINACEAE	BORAGE FAMILY	
Myosotis scorpioides L.	True Forget-me-not	x
BRASSICACEAE	MUSTARD FAMILY	
Alliaria petiolata (Bieb.)Cavara & Grande	Garlic Mustard	x
Hesperis matronalis	Dame's Rocket	X
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY	
Lonicera tatarica L.	Tartarian Honeysuckle	x
Viburnum opulus	Cranberry Viburnum	X

Alternate-leaved Dogwood   FABACEAE   PEA FAMILY   FABACEAE   PEA FAMILY   FABACEAE   PEA FAMILY   FABACEAE   PEA FAMILY   Putromains breeches   Pearametric Pea			
Black Locust   X   PUMARIACEAE   FUMARIACEAE   FUMTORY FAMILY   Ditchman's-breeches   GERANIUM FAMILY   SERNING CEAE   GERANIUM FAMILY   X   HYDROPHYLLACEAE   HUNTOR FAMILY   JURCUS dudley   JURCU			
FUMITORY FAMILY   Discharta cucullaria (L.) Bernh.   Discharta cucullaria (L.) Bernh.   Dischartan sub-preches   GERANIACEAE   GERANIACEAE   Herb Robert   X   Hydrophyllum virginianum L.   JuncaceAE   Rush FAMILY   JuncaceAE   Juncus dudleyi   Judla AndaceAE   Juncus dudleyi   Judla NandaceAE   Juglans nigra   LamiaceAE   Luglans nigra   LamiaceAE   LillareAE   Leonurus cardiaca L.   LillareAE   L			
Diuchman's-breeches   GERANIUM FAMILY   Herb Robert   X   WATERLEAF FAMILY   JUROUS dudleyi   Dudley's Rush   Dudley's Rush   JUROUS dudleyi   Dudley's Rush   JUROUS dudleyi   Dudley's Rush   JUROUS dudleyi   Dudley's Rush   JUROUS dudleyi   Dudley's Rush   WALNUT FAMILY   Black Walnut   LAMIACEAE   Leonurus cardiaca L.   Motherwort   X   LILIACEAE   LILY FAMILY   Leonurus cardiaca L.   Motherwort   X   WALNUT FAMILY   Family   Maianthemum racemosum   False Solomon's Seal   Trillium grandiflorum   White Trillium   GRASS FAMILY   Frasinus mermis   Awnless Brome   X   White Trillium   GRASS FAMILY   Bromus inermis   Awnless Brome   X   White Trillium   GRASS FAMILY   Bromus inermis   Quack Grass   X   Elymus repens   Quack Grass   Quack Grass   Quack Grass   X   Elymus repens   Quack Grass   Qua			X
GERANIACEAE   GERANIUM FAMILY   Refractor   Common Partial part   Common Partial partial part   Common Partial parti			
Geranium robertianum L.   Herb Robert   X   MTERLEAF FAMILY   Virginia Waterleaf   JUNCACEAE   Hydrophyllum virginianum L.   JUNCACEAE   RUSH FAMILY   JURIUS uduleyi   Dudley's Rush   JUGIANDACEAE   MINT FAMILY   Juglans nigra   Black Walnut   LAMIACEAE   Leonurus cardiaca L.   Motherwort   X   LILIACEAE   Erythronium americanum   Yellow Trout-lity   Maianthemum racemosum   False Solomon's Seal   Trillium grandiflorum   White Trillium   POACEAE   Erythronium americanum   White Trillium   POACEAE   GRASS FAMILY   Bromus inermis   Awnless Brome   X   Awnless Brome   X   Schedonorus arundinaceus   False Solomon's Seal   Trillium   Foacea   Trillium   Trilli			
MYTERLEAF FAMILY   Virginia Waterleaf   Virginia			
Flydrophyllum virginianum L.   Virginia Waterleaf			Х
JUNCACEAE   JURGLANDACEAE			
Juglans nigra LAMIACEAE Juglans nigra LAMIACEAE Juglans nigra LAMIACEAE Leonurus cardiaca L. LILIACEAE Erythronium americanum Maianthemum racemosum Trilium grandiflorum POACEAE Bromus inermis Dactylis glomerate Elymus repens Chestoca filiformis Lolium prenne Estuca filiformis Lolium prenne Phieum pretense Timothy Fraxinus americana L. Fraxinus americana L. Fraxinus americana L. PAPAVERACEAE Chelidonium majus L. Sanguinaria canadensis L. PLANTAGINACEAE POLYGONACEAE Thalictum dioicum L. RHAMNACEAE RHAMNACEAE ROULE FAMILY RUBUS Trout-lily Mother Trillium POLYGONACEAE POLYGONACEAE POLYGONACEAE POLYGONACEAE RHAMNACEAE ROULE FAMILY ROULE FAMILY ROULE FAMILY Common Plantain X SMARTWEED FAMILY  Common Plantain X ROSE FAMILY Common Buckthorn X ROSE FAMILY RUBUS ROSE ROSE RUBUS ROSE ROSE RUBUS ROSE ROSE RUBUS ROSE			
JUGLANDAČEAE   Juglans nigra   Black Walnut   LAMIACEAE   Leonurus cardiaca L.   Mint FAMILY   Yellow Trout-lily   Maianthemum racemosum   False Solomon's Seal   Trillium grandiflorum   White Trillium   Trillium grandiflorum   Trillium grandiflorum   White Trillium   Trillium grandiflorum   POACEAE   Bromus Inermis   Awnless Brome   X   Avnless Brome   X   Avnle			
Juglans nigra   LAMIACEAE   MINT FAMILY   Leonurus cardiaca L.   LILIACEAE   Leonurus cardiaca L.   LILIACEAE   LILIY FAMILY   Yellow Trout-lily   False Solomon's Seal   Trillium grandiflorum   Yellow Trout-lily   White Trillium   PROACEAE   GRASS FAMILY   Elymus repens   X   Awnless Brome   X   X   X   X   X   X   X   X   X		•	
LAMIACÉAE   Leonurus cardiaca L.   LILY FAMILY   Motherwort   LILY FAMILY			
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POACEAE   Bromus inermis   Awnless Brome   X   Dactylis glomerate   Orchard Grass   X   Elymus repens   Quack Grass   X   Quack Grass   X   Quack Grass   X   X   Elymus repens   Quack Grass   X   X   Elymus repense   Filliform Fescue   X   Lolium perenne   English Rye Grass   Timothy   X   X   X   Elymus perenne   English Rye Grass   Timothy   X   X   X   Elymus perense   X   Elymus perensis sop. pratensis   QLEACEAE   QLIVE FAMILY   QUIVE F			
Bromus inermis			
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Linaria vulgarisButter-and-eggsxSOLANACEAENIGHSHADE FAMILY			
SOLANACEAE NIGHSHADE FAMILY			x
Solanum dulcamara   Climbing Nightshade   x	Solanum dulcamara	Climbing Nightshade	x
<u>TILIACEAE</u> <u>LINDEN FAMILY</u>	<u>TILIACEAE</u>		

Tilia americana L.	Basswood	
<u>ULMACEAE</u>	ELM FAMILY	
Ulmus americana	White Elm	
Ulmus pumila L.	Siberian Elm	X
<u>URTICACEAE</u>	NETTLE FAMILY	
Urtica dioica ssp. dioica	European Stinging Nettle	Х
<u>VITACEAE</u>	GRAPE FAMILY	
Parthenocissus inserta (A. Kerner) Fritsch	Virginia Creeper	
Vitis riparia Michx.	Riverbank Grape	

## **APPENDIX B. EXISTING INVASIVE SPECIES**

			Cate	gory	
Scientific Name	Common Name	1	2	3	4
<u>ACERACEAE</u>	MAPLE FAMILY				
*Acer negundo	Manitoba Maple	х			
Acer platanoides	Norway Maple		х		
<u>APIACEAE</u>	CARROT FAMILY				
Aegopodium podagraria	Goutweed	х			
Daucus carota L.	Wild Carrot, Queen Anne's Lace	N/A	N/A	N/A	N/A
<u>ASCLEPIADACEAE</u>	MILKWEED FAMILY				
Cynanchum rossicum	Dog-strangling vine	х			
<u>ASTERACEAE</u>	ASTER FAMILY				
Achillea millefolium ssp. millefolium	Common Yarrow	N/A	N/A	N/A	N/A
Arctium minus	Common Burdock	N/A	N/A	N/A	N/A
Cichorium intybus	Chicory	N/A	N/A	N/A	N/A
Cirsium arvense	Canada Thistle	х			
Sonchus arvensis ssp. arvensis	Field Sow Thistle	N/A	N/A	N/A	N/A
Taraxacum officinale	Dandelion	N/A	N/A	N/A	N/A
BORAGINACEAE	BORAGE FAMILY				
Myosotis scorpioides	True Forget-me-not				x
BRASSICACEAE	MUSTARD FAMILY				
Alliaria petiolata	Garlic Mustard	×			
Hesperis matronalis	Dame's Rocket	x			
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY				
Lonicera tatarica	Tatarian Honeysuckle	×			
Viburnum opulus	Guelder Rose				х
<u>CELASTRACEAE</u>	BITTERSWEET FAMILY				
Euonymus europaeus	Spindle Tree			x	
FABACEAE	PEA FAMILY			^	
Robinia pseudoacacia	Black Locust		х		
GERANIACEAE	GERANIUM FAMILY		^		
Geranium robertianum	Herb Robert	N/A	N/A	N/A	N/A
LAMIACEAE	MINT FAMILY	IN/A	IN/A	IN/A	IN/A
Leonurus cardiaca	Motherwort	N/A	N/A	N/A	N/A
PAPAVERACEAE	POPPY FAMILY	IN/A	IN/A	IN/A	IN/A
Chelidonium majus	Celandine	N/A	N/A	N/A	N/A
PLANTAGINACEAE	PLANTAIN FAMILY	IN/A	IN/A	IN/A	IN/A
· -		NI/A	NI/A	NI/A	NI/A
Plantago major	Common Plantain	N/A	N/A	N/A	N/A
POACEAE  Bromus inormis sen Inormis	TRUE GRASSES FAMILY Awnless Brome	N/A	NI/A	NI/A	N/A
Bromus inermis ssp. Inermis	Orchard Grass	IN/A	N/A	N/A	IN/A
Dactylis glomerata				X	
Elymus repens	Quack Grass			X	
Festuca arundinacea	Tall Fescue			X	
Festuca filiformis	Filiform Fescue	N/A	N/A	N/A	N/A
Lolium perenne	English Rye Grass				Х
Phleum pratense	Timothy Grass	N/A	N/A	N/A	N/A
<u>POLYGONACEAE</u>	KNOTWEED FAMILY	I	l		

Polygonum persicaria	Lady's Thumb	N/A	N/A	N/A	N/A
RHAMNACEAE	<b>BUCKTHORN FAMILY</b>				
Rhamnus cathartica	Common Buckthorn	х			
<u>ROSACEAE</u>	<b>ROSE FAMILY</b>				
Geum urbanum	Wood Avens	N/A	N/A	N/A	N/A
<u>SALICACEAE</u>	<b>WILLOW FAMILY</b>				
Salix x pendulina	Weeping Willow	N/A	N/A	N/A	N/A
Salix cf babylonica	Weeping Willow	N/A	N/A	N/A	N/A
<u>SCROPHULARIACEAE</u>	FIGWORT FAMILY				
Linaris vulgaris	Butter-and-Eggs				х
<u>SOLANACEAE</u>	NIGHTSHADE FAMILY				
Solanum dulcamara	Bitter Nightshade			х	
<u>ULMACEAE</u>	<b>ELM FAMILY</b>				
Ulmus pumila	Siberian Elm		х		
<u>URTICACEAE</u>	NETTLE FAMILY				
Urtica dioica ssp. dioica	European Stinging Nettle			Х	

<sup>\*</sup>Plants marked with an asterisk may be indigenous to parts of Ontario, but have aggressive behaviour that threatens natural biodiversity. They are considered invasive exotic plants outside their natural range.

## APPENDIX C. TREE INVENTORY TABLE

Location: 4050 Yonge St., Toronto Date: 13 Apr. 2010 , 10 Jan. 2011, 11 Sep. 2015, 24 Jan. 2020

Surveyors: JJJ and AC, JLR, CB, and KD

Tree#	Common Name	Scientific Name	DBH	TI	cs	с٧	CDB	cat.	Comments	Bylaw	Action	Removal Reason
618	Norway Maple	Acer platanoides	25, 16	G	F	P-F		4	Union at base, stem wounds (M), seam (L), 1.5 meters from sidewalk, gypsy moth present	RNFP	Remove	Walkway
619	Norway Maple	Acer platanoides	26	F	F-G	F		4	Seam (L), swollen flare (M), gypsy moth present	RNFP	Remove	Landscaping
620	Siberian Elm	Ulmus pumila	18, 14	F	F	F		4	Union at 0.4 meters, included bark (M), deadwood (L)	RNFP	Remove	Landscaping
621	Manitoba Maple	Acer negundo	13, 9.5, 4	F	F	F		4	Lean (M), union at base and 0.5 meters, included bark (M), stem wound (L)	RNFP	Remove	Stewardship
622	Siberian Elm	Ulmus pumila	17, 16, 15	F	F	F		4	Union at 0.5 meters with included bark (M), exposed roots, drainage swale adjacent to base, grapevine competition (M)	RNFP	Remove	Stewardship
623	Siberian Elm	Ulmus pumila	31, 19	F	F	F		4	Union at 1 and 1.5 meters, grapevine competition (L), deadwood (M)	RNFP	Remove	Stewardship
624	Siberian Elm	Ulmus pumila	13	F-G	F-G	F		4	Asymmetrical crown (M), bow (L)	RNFP	Remove	Stewardship
625	Siberian Elm	Ulmus pumila	11, 8	Р	Р	Р		4	Dead	RNFP	Remove	Poor Condition
626	Manitoba Maple	Acer negundo	9	F	F	G		4	Lean (L) towards parking lot, asymmetrical crown (M)	RNFP	Remove	Stewardship
627	Siberian Elm	Ulmus pumila	6, 8	F	F	F		4	Union at base, asymmetrical crown (M)	RNFP	Missing	-
628	Siberian Elm	Ulmus pumila	42	F	F	F		4	Union at 1.6 meters, deadwood (M)	RNFP	Remove	Grading
629	Siberian Elm	Ulmus pumila	29	F	P-F	F-G		4	Lean (M) toward parking lot, asymmetrical crown (M)	RNFP	Remove	Grading
630	Siberian Elm	Ulmus pumila	18	G	F	F-G		4	Deadwood (L)	RNFP	Remove	Stewardship
631	Siberian Elm	Ulmus pumila	22	F-G	P-F	F-G		4	Seam (M), asymmetrical crown (L), broken top	RNFP	Remove	Grading
632	Siberian Elm	Ulmus pumila	9.5	F	F	F-G		4	Understory tree, asymmetrical crown (M)	RNFP	Remove	Grading
633	Siberian Elm	Ulmus pumila	23.5	G	F-G	F-G		4		RNFP	Remove	Stewardship
634	Siberian Elm	Ulmus pumila	24	F-G	P-F	F		4	Broken top, asymmetrical crown (M)	RNFP	Remove	Stewardship
635	Siberian Elm	Ulmus pumila	14	F	F	F		4	Asymmetrical crown (H), lean (L)	RNFP	Missing	-
636	Siberian Elm	Ulmus pumila	7, 15, 9.5	F	F	F		4	Union at base and 0.35 m, lean (L), asymmetrical crown (M), understory tree, pruning wounds (M)	RNFP	Missing	-
637	Siberian Elm	Ulmus pumila	18	F	F	F		4	Epicormic branching (H), lean (L), broken top	RNFP	Remove	Grading
638	Siberian Elm	Ulmus pumila	28	F	F	F		4	Lean (L), union at 5 meters, poor form (M)	RNFP	Remove	Stewardship
639	Siberian Elm	Ulmus pumila	25.5	-	-	-	100	4	Elevated hazard potential	RNFP	Missing	-
640	Siberian Elm	Ulmus pumila	28	F-G	F-G	F		4	Grapevine competition (L), union at 5 meters	RNFP	Remove	Grading
641	Siberian Elm	Ulmus pumila	20, 17	F	F	F		4	Lean (L), union at 0.75 meters, asymmetrical crown (H), broken branches (L)	RNFP	Remove	Grading
642	Siberian Elm	Ulmus pumila	18	F	P-F	P-F	50	4	Lean (L), union at 2.5 meters, broken branches (M)	RNFP	Remove	Poor Condition
643	Siberian Elm	Ulmus pumila	17, 5	F	P-F	F		4	Lean (L), union at base, broken top	RNFP	Remove	Grading
644	Siberian Elm	Ulmus pumila	26	F	F	F		4	Union at 2 meters, included bark	RNFP	Remove	Grading
645	Siberian Elm	Ulmus pumila	21	F	P-F	F		4	Asymmetrical crown (H), lean (L), broken top	RNFP	Remove	Grading
646	Siberian Elm	Ulmus pumila	16	F	Р	F		4	Union at 1.6 and 2 m, pruning wounds (M), understory tree	RNFP	Missing	-
647	Siberian Elm	Ulmus pumila	10	F	Р	F		4	Lean (M), asymmetrical crown (H)	RNFP	Missing	-
648	Siberian Elm	Ulmus pumila	~18, ~15	P-F	F	F		4	15 cm stem dead, union at base, asymmetrical crown (M)	RNFP	Remove	Outlet
649	Siberian Elm	Ulmus pumila	17	F	F	F-G		4	Lean (L), asymmetrical crown (M), broken top	RNFP	Remove	Outlet
650	Manitoba Maple	Acer negundo	15, 9	F	P-F	P-F		4	Union at base with included bark (L), stem wound (L), lean (M), asymmetrical crown (M), concrete debris against flare, small stem dead	RNFP	Remove	Grading
651	Siberian Elm	Ulmus pumila	24	F	F	F		4	Lean (L), asymmetrical crown (L), sweep (L)	RNFP	Remove	Grading
652	Manitoba Maple	Acer negundo	20.5	Р	Р	Р		4	Dead	RNFP	Remove	Poor Condition
653	Siberian Elm	Ulmus pumila	22	F	F	F	25	4	Asymmetrical crown (L), seam (L), union at 3 meters, stem wound (M), one stem dead	RNFP	Remove	Grading
654	Siberian Elm	Ulmus pumila	10	F	P-F	F		4	Understory tree, asymmetrical crown (H), sanopy conflicting with tree 653, broken top	RNFP	Remove	Grading
655	Siberian Elm	Ulmus pumila	13, 10	F	F	F		4	Union at 1.3 meters, asymmetrical crown (L), included bark, broken top	RNFP	Remove	Grading
656	Siberian Elm	Ulmus pumila	21,6	F	F	F		4	Crook (L), union at 0.2 m, swollen flare (M)	RNFP	Remove	Grading
657	Siberian Elm	Ulmus pumila	21.5	F	F	F		4	Dead	RNFP	Remove	Grading
658	Siberian Elm	Ulmus pumila	~9, ~7	F	Р	F		4	Pruning wounds (H)	RNFP	Missing	-

659	Siberian Elm	Ulmus pumila	13	F	F	F	1	4	Pruning wounds (H), lean (L), asymmetrical crown (M)	RNFP	Missing	1 1
660	Siberian Elm	Ulmus pumila	18	F	F	F-G		4	Crook (L), lean (L), understory tree, asymmetrical crown (M)	RNFP	Missing	-
000	Sibelian Elili	Offitius putilita	10	Г	Г	r-G		4	Lean (L), asymmetrical crown (M), pruning wounds (L), broken branches (H), one	KINFP	IVIISSITIQ	-
661	Siberian Elm	Ulmus pumila	~40	F	F	F		4	Istem dead	RNFP	Remove	Grading
662	Siberian Elm	Ulmus pumila	20.5	F	F	F		4	Understory tree, seam (L), co-dominant stems in crown	RNFP	Remove	Grading
663	Siberian Elm	Ulmus pumila	15, 10	F	P	F		4	Asymmetrical crown (H), crook at base (L), stem wounds (L), lean (L)	RNFP	Remove	Grading
664	Siberian Elm	Ulmus pumila	36	F	F	F		4	Sweep (L), lean (L), deadwood (M)	RNFP	Remove	Grading
004	Sibelian Eilii	Olitius puttilia	30					4	Union at base with included bark (L), 11 cm stem dead, asymmetrical crown (M), lean		Remove	Grading
665	Siberian Elm	Ulmus pumila	21, 11	F	F	F		4	(I)	RNFP	Remove	Grading
666	Siberian Elm	Ulmus pumila	~10	F	F	F		4	Crook (M), sweep (L), asymmetrical crown (L), included fence	RNFP	Remove	Grading
667	Siberian Elm	Ulmus pumila	~10	F	F	F		4	Grapevine competition (M), included fence, broken branches (M)	RNFP	Remove	Grading
668	Siberian Elm	Ulmus pumila	~7	P-F	F	F		4	Lean (M), grapevine competition (H)	RNFP	Missing	Grading
669	Siberian Elm	Ulmus pumila	17	-	-	<u>'</u>		4	Dead	RNFP	Remove	Poor Condition
670	Siberian Elm	Ulmus pumila	19	F	P	F		4 Understory tree, lean (M)		RNFP	Remove	Grading
671	Siberian Elm	Ulmus pumila	19	F	F	F	30	4	Asymmetrical crown (M)	RNFP	Remove	Stewardship
672	Siberian Elm	Ulmus pumila	13	F	P	P-F	30	4	Animal burrow under root zone, crook at base (L), poor form (M)	RNFP	Remove	Stewardship
673	Siberian Elm	Ulmus pumila	13	F	P-F	F		4	Lean (L), asymmetrical crown (M), understory tree	RNFP	Remove	Grading
674	Siberian Elm	Ulmus pumila	13.5	F	P-F	F	1	4	Lean (L), asymmetrical crown (M)  Lean (L), understory tree, asymmetrical crown (M)	RNFP	Missing	Grauing
675	Siberian Elm	Ulmus pumila	19.5	F	F	F	20	4	Lean (L)	RNFP	Remove	Stewardship
676	Siberian Elm	Ulmus pumila	38	F	F	F	20	4	Lean (L), deadwood (L)	RNFP	Remove	Grading
677	Siberian Elm	Ulmus pumila	30.5	F	F	F		4	Lean (L), codominant at 5 meters, understory to 676, broken branches (M)	RNFP	Remove	Grading
678	Siberian Elm	Ulmus pumila	20	F	F	F	20	4	Lean (M), sweep at base (L)	RNFP	Remove	Grading
076		Ullilus pullilla	20			·		4	Union at 1 meter with included bark (M), 16 cm stem dead, asymmetrical crown,		Remove	Grauing
679	Siberian Elm	Ulmus pumila	34, 16	F	F	F	25	4	broken branches (M)	RNFP	Remove	Grading
680	Siberian Elm	Ulmus pumila	12.5	F	F	F		4	Lean (L), understory tree, asymmetrical crown (M)	RNFP	Missing	_
681	Siberian Elm	Ulmus pumila	7	F-G	F	F		4	Asymmetrical crown (M), understory tree	RNFP	Remove	Grading
682	Siberian Elm	Ulmus pumila	6	P	P	P				RNFP	Missing	Grading
002	Sibelian Eilii	Olitius putilia						4	Asymmetrical crown (H), crown lodged under limb of adjacent tree, union at base,		IVIISSITIG	-
683	Siberian Elm	Ulmus pumila	11, 7	F	P-F	F		4	twisting stems	RNFP	Remove	Stewardship
684	Siberian Elm	Ulmus pumila	15	F	P-F	F		4	Lean (L), asymmetrical crown (M), broken top, epicormic branching (H)	RNFP	Remove	Stewardship
685	Siberian Elm	Ulmus pumila	12	F	P	F		4	Main stem broken at 3 meters, union at 1.6 meters	RNFP	Remove	Poor Condition
686			~25	_ F	F	Г		4	Elevated hazard potential, all limbs Missing from trunk, just stem remains	RNFP	Remove	Poor Condition
000	-	-							Sweep (L), lean (L), topcut at 6 meters, asymmetrical crown (M), epicormic branching		Remove	r our condition
687	Siberian Elm	Ulmus pumila	27	F	P-F	F		4	(H)	RNFP	Remove	Grading
688	Siberian Elm	Ulmus pumila	~12				100	4	Dead	RNFP	Remove	Poor Condition
689	Siberian Elm	Ulmus pumila	15	F	P-F	F	100	4	Asymmetrical crown (L), topcut at 5 meters, epicormic branching (H)	RNFP	Remove	Stewardship
690	Siberian Elm	Ulmus pumila	36	F	F	F-G		4	Pruning wounds (M), asymmetrical crown (M), poor form (M), top cut at 7 meters	RNFP	Remove	Grading
691	Siberian Elm	Ulmus pumila	17	F	P	F		4	Lean (L), topcut at 5.5 meters, sweep (L)	RNFP	Remove	Grading
692	Siberian Elm	Ulmus pumila	7, 11.5, 13.5	F	F	F		4	Clump of 3 stems, lean (L), asymmetrical crown (M), sweep (L)	RNFP	Missing	- Grading
693	Siberian Elm	Ulmus pumila	16	F	F	F	<del>                                     </del>	4	Sweep (M), understory tree	RNFP	Missing	-
694	Siberian Elm	Ulmus pumila	7.5	P-F	P	F	<del>                                     </del>	4	Top cut at 1.75 meters, asymmetrical crown (M), poor form (M)	RNFP	Missing	-
695	Siberian Elm	Ulmus pumila	9	F	F	F		4	Lean (L), asymmetrical crown (M)	RNFP	Missing	-
696	Siberian Elm	Ulmus pumila	8. 5.5	F	F	F		4	Union at 0.3 meters, cavity with heart rot (L)	RNFP	Missing	-
	Siberian Elm	Ulmus pumila	0, 5.5	F	F	F		4	Understory tree, asymmetrical crown (M)	RNFP	Missing	-
697	Siberian Elm	Ulmus pumila	16.5		-		100	4	Dead, elevated hazard potential	RNFP	Missing	-
698	Siberian Elm	Ulmus pumila	11.5	F	Р	F	100	4	Top cut at 2 meters, understory tree	RNFP	Missing	-
030							1	7	Top out at 2 motors, understory nee		iviiooiriy	-
699	Siberian Elm	Ulmus pumila	35	F	F	F-G		4	Included bark (M), pruning wounds (M), poor form (M), stem pruned at previous union	RNFP	Remove	Grading
700	Siberian Elm	Ulmus pumila	17	G	G	F		4	Asymmetrical crown (M)	RNFP	Remove	Stewardship
701	Siberian Elm	Ulmus pumila	9.5	F	P	F		4	Top cut at 2 meters, pruning wounds (M)	RNFP	Missing	- Otowardship
701	Siberian Elm	Ulmus pumila	18	F	P-F	P-F	70	4	Pruning wounds (M)	RNFP	Missing	<del>  </del>
703	Siberian Elm	Ulmus pumila	21	F	P	F	70	4	Top cut at 4 meters, lean (L), asymmetrical crown (M)	RNFP	Missing	_
703	Siberian Elm	Ulmus pumila	13	P	P	P	80	4	Top cut at 1 meters, lean (c), asymmetrical crown (w)	RNFP	Remove	Poor Condition
705	Siberian Elm	Ulmus pumila	10	P	F	P	00	4	Top cut at 1 meter, stem wounds (M), asymmetrical crown (M)	RNFP	Remove	Poor Condition
706	Siberian Elm	Ulmus pumila	12.5	F	P	F		4	Top cut at 1 meter, stern woulds (W), asymmetrical crown (W)  Top cut at 1 meter, epicormic branching (H)	RNFP	Remove	Poor Condition
707	Siberian Elm	Ulmus pumila	18, 17	F	P	F	30	4 Union at 0.4 meters with narrow angle, included bark, top cut at 3 meters		RNFP	Remove	Poor Condition
708	Siberian Elm	Ulmus pumila	37	F	P	F	50	4	Pruning wounds (M), lean (L), asymmetrical crown (M), top cut	RNFP	Remove	Poor Condition
100	JOINGHAIT EIIII	Tonnus punnia	31					. 4	ir ruring wounds (ivi), lean (L), asymmetrical Grown (ivi), top cut	INNEF	I/CITIONS	i oo condition

Sterins Em	709	Siberian Elm	Ulmus pumila	26	1			100	1	Crown missing, dead, elevated hazard potential	RNFP	Missing	1 _ 1
The content					_	_		100	4				Stowardship.
Trigographics   Age	710	Sibelian Eilii	Ollilus pullilla	10					4			Remove	Stewardship
Trist   Maritaba Magle   Acer regions   9.5   P   P   4   Braken barnoves (P), Earn (M)   RRFP   Remove   Poor Constitution   Trist   Section   Trist   Section   Trist   Section   Trist   Section   Trist   Section   Trist   Tris	711	Siberian Elm	Ulmus pumila	35	P-F	P-F	F		4		RNFP	Missing	-
Markeba Maple   Acer regunds   9.5   P-F   P   4   Top cut at 2 meters, lean (M)   Land symmetrical crown (H), bark peeling, declining   RRFP   Remove   Poor Condition   RRFP   Remove   RRFP   RRF	712	Manitoha Manla	Acornogundo	0.5	В	D	D		4		DNED	Pomovo	Poor Condition
Title													
Process   Proc									•				
Tell   Siberian Elm   Ulima pumila   49, 45   F   F   F   F   F   F   F   F   F	7 14	Sibelian Eilii	Olitius pullilla	17		Г	Г		4		KINEF	Remove	FOOI CONDITION
	715	Manitoba Maple	Acer negundo	18.5	F	Р	F		4		RNFP	Remove	Poor Condition
	716A	Siberian Elm	Ulmus pumila	49, 45	F	F	F		4	Union at 0.6 meters, broken branches (L), lean (M), asymmetrical crown (M)	RNFP	Remove	Grading
Title	716B	Siberian Elm	Ulmus pumila	29	F	F	F		4	Asymmetrical crown (M), union at 2.2 meters with included bark and narrow angle		Remove	Grading
Siberian Elm   Ulmus pumila   35, 31, 5   F   F   F   4   Clarage of 2, union at base, lean (L) away from parking lot, asymmetrical crown (L).   RINFP   Remove   Stewardsh   Clarage of 2, union at 5 meters, lean (L) broken branches (M)   RINFP   Remove   Stewardsh   Clarage of 2, union at 5 meters, lean (L) broken branches (M)   RINFP   Remove   Stewardsh   Clarage of 2, union at 5 meters, lean (L) broken branches (M)   RINFP   Remove   Stewardsh   Clarage of 2, union at 5 meters, lean (L) broken branches (M)   RINFP   Remove   Stewardsh   Clarage of 2, union at 5 meters, lean (L) broken branches (M)   RINFP   Remove   Stewardsh   Clarage of 2, union at 5 meters, lean (L) broken branches (M)   RINFP   Remove   Stewardsh   Clarage of 2, union at 5 meters, lean (L) broken branches (M)   RINFP   Remove   Stewardsh   Clarage of 2, union at 5 meters, lean (L) broken branches (M)   RINFP   Remove   Stewardsh   Clarage of 2, union at 5 meters, lean (L)   RINFP   Remove   Stewardsh   Clarage of 2, union at 5 meters, lean (L) broken branches (M)   RINFP   Remove   Stewardsh   Clarage of 2, union at 5 meters, lean (L) broken branches (M)   RINFP   Remove   Stewardsh   RINFP   Remove   Stewardsh   RINFP   Remove   Stewardsh   RINFP   Remove   RINFP   R	717	Siberian Elm	Ulmus pumila	42	F-G	F	F		4	Broken branches (L)	RNFP	Remove	Grading
	718	Siberian Elm	Ulmus pumila	~47	Р	Ρ	Ρ	75	4	Pruning wounds (M), lean (L)	RNFP	Remove	Poor Condition
	719	Siberian Elm	Ulmus pumila	35, 31.5	F	F	F		4		RNFP	Remove	Stewardship
Maritoba Maple   Acer-regundo   14.5   P-F   P-F   G   4   Lean (H), asymmetrical crown (H)   RNFP   Missing   1722A   White Elim   Ulmus americana   27   F-G   F-G   F-G   4   Ulmus all 27   RNFP   Remove   Stewardsh   1723   Siberian Elim   Ulmus pumila   40   F-F   F-F   20   4   Stewer (H), boan (L)   RNFP   Remove   Stewardsh   1723   Siberian Elim   Ulmus pumila   20   F-F   F-F   20   4   Stewer (L), broken branches (M), deadwood (L)   RNFP   Remove   Stewardsh   1724   Siberian Elim   Ulmus pumila   20   F-F   F-F   4   Lean (L), asymmetrical crown (M), understor, tree   RNFP   Missing   -726   Siberian Elim   Ulmus pumila   14   F-F   F-F   4   Lean (L), asymmetrical crown (M)   RNFP   Missing   -727   Siberian Elim   Ulmus pumila   10   P-P   P-P   9   9   4   Lean (L), towards parking lot, seam (M), pruning wounds (L), top cut at 10 meters   RNFP   Missing   -728   Siberian Elim   Ulmus pumila   -30, -30   F-P-F   F-F   4   Lean (L), towards parking lot, seam (M), pruning wounds (L), top cut at 10 meters   RNFP   Remove   Stewardsh   RNFP   Remove   Stewardsh   RNFP   Remove   Stewardsh   RNFP   Remove	720	Siberian Elm	Ulmus pumila	60	F	F	F		4		RNFP	Remove	Stewardship
					P-F	P-F			4				-
									_				Stewardship
273   Siberian Elm								20	4				Stewardship
224   Siberian Elm   Ulmus pumila   2.0   F   F   F   4   Lean (L.), asymmetrical crown (M), understory tree   RNFP   Missing													
T26   Siberian Elm								20					Otowardship
T26   Siberian Elm   Umus pumila   26.5   F   F-P   F   4   Lean (L) towards parking lot, seam (M), pruning wounds (L), poor form (M)   RNFP   Missing   - T272   Siberian Elm   Umus pumila   -30, -30   F   PF   F   30   4   Codominant stems at 1.2 meters, pruning wounds (L), top cut at 10 meters   RNFP   Remove   Transform   T29   Siberian Elm   Umus pumila   -30, -30   F   PF   F   50   4   Codominant stems at 1.2 meters, pruning wounds (L), top cut at 10 meters   RNFP   Remove   Stewardsh   T30   Siberian Elm   Umus pumila   -20, -10   F   F   F   F   4   Codominant at 1 meter with narrow angle, broken branches (L)   RNFP   Remove   Stewardsh   T31   Siberian Elm   Umus pumila   -26   F-G   F   F   F   4   Understory tree, asymmetrical crown (M), lean (L), asymmetrical crown (L)   RNFP   Remove   Stewardsh   T31   Siberian Elm   Umus pumila   -26   F   F   F   F   F   F   F   F   F													
Type								90		onderstory tree, learn (L), asymmetrical crown (lw)			_
Tanaform												_	
Steerian Elm   Ulmus pumila   37   F   F   F   4   Codominant at 1 meter with narrow angle, broken branches (L), included bark   RNFP   Remove   Stewardsh   RNFP   Remo								30					Transformer
Table   Tabl								30					
T31   Siberian Elm   Ulmus pumila   26   F-G   F   F-G   4   Codominant at 2 meters with narrow angles, broken branches (L)   RNFP   Remove   Grading   T32   Filbert species   Corylus sp.   29, 10   F   F   F   F   G   4   Seam (M)   RNFP   Remove   Grading   T33   Siberian Elm   Ulmus pumila   16   F   F   F-G   4   Seam (M)   RNFP   Remove   Grading   T33   Filbert species   Corylus sp.   17   P   P   P   P   9   0   4   Dead   RNFP   Remove   Grading   T34   Filbert species   Corylus sp.   17   P   P   P   P   9   0   4   Dead   RNFP   Remove   Grading   T35   Siberian Elm   Ulmus pumila   25.5   F   F-G   4   Union at 2 meters, broken branches (M)   RNFP   Remove   Grading   T80   Maritoba Maple   Acer negundo   13, 9, 8   F   F   F   F   4   Multi-stem at base, included bark, grypsy moth present   RNFP   Remove   Grading   T80   Maritoba Maple   Acer negundo   16   F-G   F-G   4   Sweep (L), crook (L)   RNFP   Remove   Grading   T80   Maritoba Maple   Acer negundo   10   P-F   P-F   4   Lean (H) toward parking lot   RNFP   Remove   Stewardsh   T83   Maritoba Maple   Acer negundo   10   P-F   P-F   4   Lean (H), epicormic branching (M), deadwood (M)   RNFP   Remove   Stewardsh   T85   Siberian Elm   Ulmus pumila   12   F   F   F-G   4   Bow (M), lean (L)   RNFP   Remove   Stewardsh   T85   Siberian Elm   Ulmus pumila   12   F   F   F-G   4   Bow (M), lean (L)   RNFP   Remove   Stewardsh   T88   Norway Maple   Acer platanoides   10   G   G   G   4   Lean (L) towards parking lot   RNFP   Remove   Stewardsh   T90   Norway Maple   Acer platanoides   10   G   G   G   4   Lean (L) towards parking lot   RNFP   Remove   Stewardsh   T90   Norway Maple   Acer platanoides   15   F   F-G   F-G   4   Crook (L), sweep (L), epicormic branching (M)   RNFP   Remove   Stewardsh   T90   Norway Maple   Acer platanoides   15   F   F-G   F-G   4   Crook (L), sweep (L), epicormic branching (M)   RNFP   Remove   Stewardsh   T90   Norway Maple   Acer negundo   11   F   F-G   F-G   4   Crook (L), sweep (L), epicormic branching (M)									_				
Fibert species   Corylus sp.   29,10   F   F   F   4   Seam (M), lean (L)   RNFP   Remove   Grading   T34   Filbert species   Corylus sp.   17   P   P   P   90   4   Seam (M)   RNFP   Remove   Grading   T34   Filbert species   Corylus sp.   17   P   P   P   90   4   Dead   RNFP   Remove   RNFP   Remove   Por Condit   RNFP   Remove   Grading   Grading   RNFP   Remove   Grading   RNFP   Remove   Grading   G						_	•		_				
T33													
T34													
735   Siberian Elm   Ulmus pumila   25.5   F   F   F-G   4   Union at 2 meters, broken branches (M)   RNFP   Remove   Grading   780   Manitoba Maple   Acer negundo   13,9,8   F   F   F   4   Multi-stem at base, included bark, gypsy moth present   RNFP   Remove   Grading   Gradi								00					
Table   Manitoba Maple   Acer negundo   13,9,8   F   F   F   4   Multi-stem at base, included bark, gypsy moth present   RNFP   Remove   Grading   RNFP   Remove   Stewardsh   RNFP   REmove   Stewa								90					
Manitoba Maple   Acer negundo   16   F-G   F-G   F-G   4   Sweep (L), crook (L)   RNFP   Remove   Stewardsh   Ramitoba Maple   Acer negundo   10   F   F   F   F   F   F   F   F   F									4				
Remove   Stewardsh   Remove						_			4				
Manitoba Maple   Acer negundo   10   P-F   P-F   P-F   4   Lean (H), epicormic branching (M), deadwood (M)   RNFP   Remove   Stewardsh   RNFP   RNF													
Remove   Stewardsh   Remove									-				
785Siberian ElmUlmus pumila12FFF-G4Bow (M), lean (L)786Manitoba MapleAcer negundo12FFF4Lean (L) towards parking lotRNFPRemoveStewardsh787Norway MapleAcer platanoides-15GGG4RNFPRemoveStewardsh788Norway MapleAcer platanoides10GGG4RNFPRemoveStewardsh789Norway MapleAcer platanoides10GFG4Sweep (L)RNFPRemoveStewardsh790Norway MapleAcer platanoides15FF-GF-G4Crook (L), sweep (L), epicormic branching (M)RNFPRemoveStewardsh791Manitoba MapleAcer negundo11FF-FF4Bow (H)RNFPRemoveStewardsh792Manitoba MapleAcer negundo14FF-GF-G4Crook (L)RNFPRemoveStewardsh794Manitoba MapleAcer negundo11FF-GF-G4Crook (L)RNFPRemoveStewardsh795Siberian ElmUlmus pumila38F-GFF-G4Crook (M) in crownRNFPRemoveStewardsh796Manitoba MapleAcer negundo13FFFG4Crook (M) in crownRNFPRemoveStewardsh798Norway													
786Manitoba MapleAcer negundo12FFF4Lean (L) towards parking lotRNFPRemoveStewardsh787Norway MapleAcer platanoides~15GG4RNFPRemoveStewardsh788Norway MapleAcer platanoides10GGG4RNFPRemoveStewardsh789Norway MapleAcer platanoides10GFG4Sweep (L)RNFPRemoveStewardsh790Norway MapleAcer platanoides15FF-GF-G4Crook (L), sweep (L), epicormic branching (M)RNFPRemoveStewardsh791Manitoba MapleAcer negundo11FF-FF4Bow (H)RNFPRemoveStewardsh792Manitoba MapleAcer negundo14FF-GF4Bow (H)RNFPRemoveStewardsh793Manitoba MapleAcer negundo11FF-GF-G4Crook (L)RNFPRemoveStewardsh795Siberian ElmUlmus pumila38F-GFF-G4Crook (M) in crownRNFPRemoveStewardsh796Manitoba MapleAcer negundo13FFFF4Lean (M), suppressedRNFPRemoveStewardsh797White ElmUlmus americana12F-GFF4Lean (M), suppressedRNFPRemoveStewards													
RNFP   Remove   Stewardsh													Stewardship
788Norway MapleAcer platanoides10GGG										Lean (L) towards parking lot			Stewardship
789Norway MapleAcer platanoides10GFG4Sweep (L)RNFPRemoveStewardsh790Norway MapleAcer platanoides15FF-GF-G4Crook (L), sweep (L), epicormic branching (M)RNFPRemoveStewardsh791Manitoba MapleAcer negundo11FF-FF4Bow (H)RNFPRemoveStewardsh792Manitoba MapleAcer negundo14FF-GF4RNFPRemoveStewardsh793Manitoba MapleAcer negundo11FF-GF-G4Crook (L)RNFPRemoveStewardsh794Manitoba MapleAcer negundo13FFF-G4Crook (H), poor form, suppressedRNFPRemoveStewardsh795Siberian ElmUlmus pumila38F-GFF-G4Crook (M) in crownRNFPRemoveStewardsh796Manitoba MapleAcer negundo13FFF4Lean (M), suppressedRNFPRemoveStewardsh798Norway MapleAcer platanoides11GGG4SuppressedRNFPRemoveStewardsh799Norway MapleAcer platanoides12.5GF-GG4RNFPRemoveStewardsh													Stewardship
790Norway MapleAcer platanoides15FF-GF-G4Crook (L), sweep (L), epicormic branching (M)RNFPRemoveStewardsh791Manitoba MapleAcer negundo11FP-FF4Bow (H)RNFPRemoveStewardsh792Manitoba MapleAcer negundo14FF-GF4RNFPRemoveStewardsh793Manitoba MapleAcer negundo11FF-GF-G4Crook (L)RNFPRemoveStewardsh794Manitoba MapleAcer negundo13FF-G4Crook (H), poor form, suppressedRNFPRemoveStewardsh795Siberian ElmUlmus pumila38F-GFF-G4Crook (M) in crownRNFPRemoveStewardsh796Manitoba MapleAcer negundo13FFF4Lean (M), suppressedRNFPRemoveStewardsh797White ElmUlmus americana12F-GFF4SuppressedRNFPRemoveStewardsh798Norway MapleAcer platanoides11GGG4SuppressedRNFPRemoveStewardsh799Norway MapleAcer platanoides12.5GF-GG4RNFPRemoveStewardsh													Stewardship
791       Manitoba Maple       Acer negundo       11       F       P-F       F       4       Bow (H)       RNFP       Remove       Stewardsh         792       Manitoba Maple       Acer negundo       14       F       F-G       F       4       Crook (L)       RNFP       Remove       Stewardsh         793       Manitoba Maple       Acer negundo       11       F       F-G       4       Crook (L)       RNFP       Remove       Stewardsh         794       Manitoba Maple       Acer negundo       13       F       F       F-G       4       Crook (H), poor form, suppressed       RNFP       Remove       Stewardsh         795       Siberian Elm       Ulmus pumila       38       F-G       F       F-G       4       Crook (M) in crown       RNFP       Remove       Stewardsh         796       Manitoba Maple       Acer negundo       13       F       F       F       F       4       Lean (M), suppressed       RNFP       Remove       Stewardsh         797       White Elm       Ulmus americana       12       F-G       F       4       Suppressed       RNFP       Remove       Stewardsh         798       Norway Maple       Acer platanoide													Stewardship
792Manitoba MapleAcer negundo14FF-GF4Crook (L)RNFPRemoveStewardsh793Manitoba MapleAcer negundo11FF-GF-G4Crook (L)RNFPRemoveStewardsh794Manitoba MapleAcer negundo13FFF-G4Crook (H), poor form, suppressedRNFPRemoveStewardsh795Siberian ElmUlmus pumila38F-GFF-G4Crook (M) in crownRNFPRemoveStewardsh796Manitoba MapleAcer negundo13FFFF4Lean (M), suppressedRNFPRemoveStewardsh797White ElmUlmus americana12F-GFF4SuppressedRNFPRemoveStewardsh798Norway MapleAcer platanoides11GGG4RNFPRemoveStewardsh799Norway MapleAcer platanoides12.5GF-GG4RNFPRemoveStewardsh													Stewardship
793Manitoba MapleAcer negundo11FF-GF-G4Crook (L)RNFPRemoveStewardsh794Manitoba MapleAcer negundo13FFF-G4Crook (H), poor form, suppressedRNFPRemoveStewardsh795Siberian ElmUlmus pumila38F-GFF-G4Crook (M) in crownRNFPRemoveStewardsh796Manitoba MapleAcer negundo13FFF4Lean (M), suppressedRNFPRemoveStewardsh797White ElmUlmus americana12F-GFF4SuppressedRNFPRemoveStewardsh798Norway MapleAcer platanoides11GGG4RNFPRemoveStewardsh799Norway MapleAcer platanoides12.5GF-GG4RNFPRemoveStewardsh													Stewardship
794Manitoba MapleAcer negundo13FFF-G4Crook (H), poor form, suppressedRNFPRemoveStewardsh795Siberian ElmUlmus pumila38F-GFF-G4Crook (M) in crownRNFPRemoveStewardsh796Manitoba MapleAcer negundo13FFF4Lean (M), suppressedRNFPRemoveStewardsh797White ElmUlmus americana12F-GFF4SuppressedRNFPRemoveStewardsh798Norway MapleAcer platanoides11GGG4RNFPRemoveStewardsh799Norway MapleAcer platanoides12.5GF-GG4RNFPRemoveStewardsh													Stewardship
795         Šiberian Elm         Ulmus pumila         38         F-G         F         F-G         4         Crook (M) in crown         RNFP         Remove         Stewardsh           796         Manitoba Maple         Acer negundo         13         F         F         F         4         Lean (M), suppressed         RNFP         Remove         Stewardsh           797         White Elm         Ulmus americana         12         F-G         F         F         4         Suppressed         RNFP         Remove         Stewardsh           798         Norway Maple         Acer platanoides         11         G         G         G         4         RNFP         Remove         Stewardsh           799         Norway Maple         Acer platanoides         12.5         G         F-G         G         4         RNFP         Remove         Stewardsh	793		Acer negundo						. 5.55(2)		RNFP	Remove	Stewardship
796Manitoba MapleAcer negundo13FFF4Lean (M), suppressedRNFPRemoveStewardsh797White ElmUlmus americana12F-GFF4SuppressedRNFPRemoveStewardsh798Norway MapleAcer platanoides11GGG4RNFPRemoveStewardsh799Norway MapleAcer platanoides12.5GF-GG4RNFPRemoveStewardsh			Acer negundo						4			Remove	Stewardship
797White ElmUlmus americana12F-GF4SuppressedRNFPRemoveStewardsh798Norway MapleAcer platanoides11GGG4RNFPRemoveStewardsh799Norway MapleAcer platanoides12.5GF-GG4RNFPRemoveStewardsh799Norway MapleAcer platanoides12.5GF-GG4RNFPRemoveStewardsh	795	Siberian Elm		38	F-G	F	F-G		4	Crook (M) in crown		Remove	Stewardship
798         Norway Maple         Acer platanoides         11         G         G         G         4         RNFP         Remove         Stewardsh           799         Norway Maple         Acer platanoides         12.5         G         F-G         G         4         RNFP         Remove         Stewardsh	796	Manitoba Maple	Acer negundo	13	F	F	F				RNFP	Remove	Stewardship
798         Norway Maple         Acer platanoides         11         G         G         G         4         RNFP         Remove         Stewardsh           799         Norway Maple         Acer platanoides         12.5         G         F-G         G         4         RNFP         Remove         Stewardsh	797	White Elm	Ulmus americana	12	F-G	F	F		4	Suppressed	RNFP	Remove	Stewardship
	798	Norway Maple	Acer platanoides	11	G	G	G		4		RNFP	Remove	Stewardship
	799	Norway Maple	Acer platanoides	12.5	G	F-G	G		4		RNFP	Remove	Stewardship
	800			14	G	G	G		4	Asymmetrical crown (L)	RNFP		Stewardship
	801		Acer platanoides	13	G	G	G		4		RNFP	Remove	Stewardship

802	Norway Maple	Acer platanoides	13	G	G	G		4		RNFP	Remove	Stewardship
803	Siberian Elm	Ulmus pumila	10.5	F-G	F-G	F		4		RNFP	Remove	Stewardship
804	Manitoba Maple	Acer negundo	10.5	F-G	F-G	F-G		4		RNFP	Remove	Stewardship
1418	Siberian Elm		19.14	F-G	F	F-G		4	Co. dominant stame at 1 mater included hark twisting stame	RNFP		
		Ulmus pumila	- /		G	G G			Co-dominant stems at 1 meter, included bark, twisting stems	RNFP	Remove	Stewardship
1	Manitoba Maple	Acer negundo	15	G	G	G		4	Dead	KNFP	Remove	Poor Condition
2	Eastern Cottonwood	Populus deltoides	52	Р	F	F		4	Top cut at 7 meters	RNFP	Missing	-
3	Norway Maple	Acer platanoides	15	G	G	G		4	Top cut at 7 meters	RNFP	Missing	-
4	Siberian Elm	Ulmus pumila	30.5	G	G	G		4	Top cut at 7 meters	RNFP	Missing	-
5	Eastern Cottonwood	Populus deltoides	36	G	G	G		4	Top cut at 7 meters	RNFP	Missing	-
6	White Elm	Ulmus americana	16.5	G	G	G		4	Exposed roots (L)	RNFP	Missing	-
7		Acer negundo	15	Р	G	Р		4	Lean (M)	RNFP	Missing	-
8	Black Locust	Robinia pseudoacacia	38	G	G	G		4	Grapevine competition (L), co-dominant at 2m	RNFP	Missing	-
9	White Elm	Ulmus americana	17	G	G	G		4		RNFP	Missina	
			20	G	G	G		4		RNFP		Ctowardahin
10 11	White Elm Black Walnut	Ulmus americana Juglans nigra	28	G	G	G	-	4		RNFP	Remove Missing	Stewardship
11			28	G			<u> </u>	4	Croppying competition (M) stom wounds (L)	RNFP		-
	Siberian Elm	Ulmus pumila			G	G	<b> </b>		Grapevine competition (M), stem wounds (L)		Missing	
13	Manitoba Maple	Acer negundo	17.5	G	G	G	-	4	Dead	RNFP	Missing	-
14	Manitoba Maple	Acer negundo	16	F	F	F		4	Lean (H), stem wounds (M), grapevine competition (M)	RNFP	Missing	-
15	Siberian Elm	Ulmus pumila	15	G	F	F		4	Lean (L), grapevine competition (M)	RNFP	Missing	-
16	Siberian Elm	Ulmus pumila	55	P-F	P-F	P-F		4	Co-dominant at 2.5 meters, stem wounds (M), grapevine competition (M), broken branches (H)	RNFP	Remove	Stewardship
17	Siberian Elm	Ulmus pumila	14.5	F	F	F		4	Leader impacted by #18	RNFP	Remove	Stewardship
18	Siberian Elm	Ulmus pumila	13	Р	Р	Р		4	Stem wound (M), lean (M), leaning into crown of #17		Missing	-
19	Black Locust	Robinia pseudoacacia	~20, ~20	Р	Р	F		4	Co-dominant at base, lean (M), stem wound (M), bark splitting with rot	RNFP	Remove	Poor Condition
20	Black Locust	Robinia pseudoacacia	~35	G	F-G	G		4	Lean (L)	RNFP	Remove	Stewardship
21	White Ash	Fraxinus americana	11	Р	Р	Р	1	4	Dead	RNFP	Remove	Poor Condition
22	Norway Maple	Acer platanoides	15	F	F	F		4	Co-dominant at 1 meter, lean (L), stem wounds (M), broken branches (M)	RNFP	Remove	Stewardship
23	Siberian Elm	Ulmus pumila	~35	G	G	G		4	Stem wound (L), growth deficit (L), deadwood (M), bow (L), union at 2.5 meters	RNFP	Remove	Stewardship
24	Siberian Elm	Ulmus pumila	10	F	P-F	P		4	Asymmetrical crown	RNFP	Remove	Stewardship
	Sibelian Eilii	Robinia	10					4	A Symmetrical Crown		Kelliove	Stewaruship
25	Black Locust	pseudoacacia	32	Р	Р	Р		4	Co-dominant at base, 3 stems dead, exposed roots (M)	RNFP	Remove	Poor Condition
26	Black Locust	Robinia pseudoacacia	~25	Р	Р	Р		4	Lean (M), stem wounds (H)	RNFP	Remove	Poor Condition
27	Black Locust	Robinia pseudoacacia	17.5, 12	Р	Р	Р	98	4	Dead	RNFP	Remove	Poor Condition
28	Black Locust	Robinia pseudoacacia	~25, ~25, ~20	Р	Р	Р		4	Co-dominant at base, 3 stem, 2 stems dead, stem wounds (H)	RNFP	Remove	Poor Condition
29	Norway Maple	Acer platanoides	~20	Р	Р	G		4		RNFP	Remove	Stewardship
30	Black Walnut	Juglans nigra	21	F	F	F	l	4	Stem wound (M)	RNFP	Missing	-
31		Acer negundo	15	F	G	F	-	4	Lean (L), bark peeling	RNFP	Remove	Stewardship
δī	iviariiluba iviapie	Acei Hegunuo	10					4	Co-dominant at 0.25 meters, 2 stems, 1 dead, lean (L), epicormic branching (L),		Kelliove	Stewarusriip
32	Manitoba Maple	Acer negundo	~30	Р	Р	Р		4	broken branches (L), stem wounds (M)	RNFP	Remove	Poor Condition
33	Siberian Elm	Ulmus pumila	~25	F	G	G		4	Growth deficit at base, debris in root zone, stem wound (L), grapevine competition (L)	RNFP	Remove	Stewardship
34	Norway Maple	Acer platanoides	~15	G	F-G	F		4	Growth deficit (L) at base	RNFP	Remove	Grading
35	Siberian Elm	Ulmus pumila	~30, ~25, ~20, ~15	G	P-F	F		4	Co-dominant at 0.5 meters, 4 stems, stem wounds (M), deadwood (M), lean (L-M)	RNFP	Remove	Stewardship
36	Siberian Elm	Ulmus pumila	14	F	F	F		4	Lean (L), stem wounds (L), broken branches (L), asymmetrical crown	RNFP	Remove	Stewardship
37	White Ash	Fraxinus americana	12	G	G	G		4 Lean (L), stem wounds (L), broken branches (L), asymmetrical crown 4		RNFP	Missina	-
38	Manitoba Maple	Acer negundo	13	G	G	G		4	Lean (M), asymmetrical crown	RNFP	Remove	Stewardship
39		Ulmus pumila	~14	F	F	F			Not tagged due to topography, lean (L), asymmetrical crown, stem wounds (M)	RNFP	Missing	-

According to   According   A													
A Stern sourch (L)	40	Siberian Elm	Ulmus pumila	~13	F	G	G		4	Stem wound (L)	RNFP	Remove	Stewardship
A Starter Em   A St	41	Siberian Elm	Ulmus pumila	~25	G	G	G		4	Lean (L), stem wounds (L), union at 2.5 meters	RNFP	Remove	Stewardship
44   Special February   1.0   C   F   F   4   Semi-mounts   Mill   Special February   Mill   S	42	Siberian Elm	Ulmus pumila	~15	G	G	G		4	Stem wounds (L)	RNFP	Remove	
A	43								4	,	RNFP		
Separate Em.   Ultrus pumils	44	Siberian Elm	Ulmus pumila	11	G	F	F		4	Stem wounds (M)	RNFP	Remove	Stewardship
Separate Em.   Ultrus pumils	45	Siberian Elm	Ulmus pumila	13	G	F	F		4	Stem wounds (M), crack (0.5m)	RNFP	Remove	Stewardship
A	46				G	F	F		4		RNFP		
48   Shorten Em						Р			4		RNFP		
An Except Mapple   Aeer platerorides   25   F   F   G   A   Lean (H), growth deficit at bases, exposed roots   RNFP   Remove   Stewardship   Stewardship   Stewardship   Aeer platerorides   18   G   G   F   A   Lean (H), growth deficit at bases   Aeep					G				4				
Special Files   Library pumils   -38   P.F. P.													
Siberian Em   Ulmus pumilia   -35   P.F. P.F. P.   4   Loan (M.), impacied by Marribos maple on other side of thror, 2 sterms dead, stem   Poor Condition   Country (M.)   Construction   Construction   Country (M.)   Country (M.)   Construction   Country (M.)													
Siehenian Erm Ultruss pareneana -27 F P P P 4 wounds (M) for tagged due to topography New P Remove Proof Condition 33 Sherian Erm Ultrus parenilla -23 G G G 4 hot tagged due to topography stem wounds (L) buts (M), deadwood (M) RNFP Remove Proof Condition 44 Sherian Erm Ultruss parenilla -23 G G G 4 hot tagged due to topography stem wounds (L) buts (M), deadwood (M) RNFP Remove Proof Condition 55 Sherian Erm Ultruss parenilla -15 P G G 4 hot tagged due to topography stem wounds (L) buts (M), deadwood (M) RNFP Remove Stewardship 55 Sherian Erm Ultruss parenilla -15 P G G 4 hot proof to the stem of the	- 30	1401Way Mapic	Acci piatariolacs	10					_			remove	1
	51	Siberian Elm	Ulmus pumila	~35	P-F	P-F	Р		4			Remove	Poor Condition
Siberian Elm   Ullmap pumila   -23   G   G   G   A   Not tagged due to topography, shem wounds (L), but's (M), deadwood (M)   RNFP   Remove   Stewardship   Set   Siberian Elm   Ullmap pumila   -16   P   G   G   4   Bark peeling   RNFP   Remove   Stewardship   Siberian Elm   Ullmap pumila   -15   P   G   G   A   Bark peeling   RNFP   Remove   Stewardship   Siberian Elm   Ullmap pumila   -15   P   G   G   A   Bark peeling   RNFP   Remove   Stewardship   Siberian Elm   Ullmap pumila   -15   P   G   G   A   Bark peeling   RNFP   Remove   Stewardship   Siberian Elm   Ullmap pumila   -15   P   P   A   Bark peeling   RNFP   Remove   Stewardship   RNFP   Remove   RNFP	52	White Elm	Ulmus americana	~27	F	Р	Р		4		RNFP	Remove	Poor Condition
Seterian Erm   Ulmus pumilis   -50   F   F   F   4   Go-dominant al Zinetess. 1 stem dead, stem wounds (L), buts (M), deadwood (M)   RNFP   Remove   Stewardship   Set   Seterian Erm   Ulmus pumilis   21   G   G   G   4   Sax peeling   RNFP   Remove   Stewardship   Set   Seterian Erm   Ulmus pumilis   21   G   G   G   4   Lean (L)   RNFP   Remove   Stewardship   Set   RNFP   REmove   Stewardship   RNFP   REmove   Stewardship   RNFP   REmove   Stewardship   RNFP   REmove					G	G	G		4		RNFP	Missing	
													Stewardship
Sherian Elm   Ulmus pumila   21   G   G   G   4   Lean (L)   RNFP   Remove   Stevardship   Stevardship   Stevardship   Stevardship   Stevardship   Stevardship   Sherian Elm   Ulmus pumila   15   F   G   G   G   4   Lean (L)   espaced rots   RNFP   Remove   Stevardship   RNFP   Remove   RNFP							_						
Special Elm   Ulmus pumils   19   G   G   4   Lean (L)   Lean (L)   Especial patentials   15.5   F   F   G   G   4   Crock (VL), esposed roots   RNFP   Remove   Stewardship   590   Norway Maple   Acer platamoides   12.5   P   P   P   4   Grapewine competition (VL), decliring   RNFP   Remove   Stewardship   RNFP   Remove   RNFP   Remove   RNFP   Remove   RNFP   Remove   Poor Condition   RNFP   Remove   RNFP   RN										Dank pecining			
Second Content of the Content of t										Lean (L)			
Sperian Elm   Ulmus pumila   17.5   P   P   P   4   Land (M), declining   RNFP   Remove   Poor Condition   RNFP   Remove   RNFP   Remove   Stewardship   RNFP   Remove   Ste													
Siberian Elm   Ulmus pumila   17.5   P   F   P   4   Lean (ft). Stem wounds (M)   River   Remove   Poor Condition													
Siberian Elm   Ulmus pumila   -35   F   F   P   4   Asphalt around base, broken branches (L), stem wounds (M), epicomic branching   RNFP   Remove   Poor Condition													
Siberian Eim Ulmus pumila -35 F F F A Multiple dead stems, growth deficit (F), crack, rot at base, lean (L) RNFP Remove Poor Cordition pseudoscacia -30 P P P A Multiple dead stems, growth deficit (F), crack, rot at base, lean (L) RNFP Remove Poor Cordition Apple Acer negundo 15,14 F P-F P-F A (Co-dominant at base, 1 stem leans (H) toward ravine & has grapevine competition (M) RNFP Remove Stewardship Siberian Eim Ulmus pumila -30,-26 F F P-F G 4 (Lean (M), deadwood (L), growth deficit at base RNFP Remove Stewardship (Co-dominant at base, 1 stem leans (H) toward ravine & has grapevine competition (L), stem wounds (L), deadwood (H), broken top and the stem leans (H) toward ravine & has grapevine competition (L), stem wounds (L), deadwood (L), growth deficit at base RNFP Remove Stewardship (Co-dominant at base, crook (M) in 1 stem, grapevine competition (L), stem wounds (L), deadwood (L), grapevine competition (L), stem wounds (L), deadwood (L), deadwood (L), grapevine competition (L), stem wounds (L), stem wounds (L), deadwood (L), grapevine competition (L), stem wounds (L), deadwood (L), deadwood (L), grapevine competition (L), stem wounds (L), grape	60	Siberian Elm	Ulmus pumila	17.5	Р	-	Р		4		KNFP	Remove	Poor Condition
Back Locust   Positiva   Positi	61	Siberian Elm	Ulmus pumila	~35	F	F	Р		4		RNFP	Remove	Poor Condition
Black Locust   Descudoacacia   Co-dominant deflort (H), crack, rol at base, lean (L)   RNFP   Remove   Prof Condition   RNFP   Remove   Stewardship   RNFP   R			5.11.11		-					(M), deadwood (H), broken top			
Manitoba Maple   Acer negundo   15, 14   F   F   F   F   F   4   (H.). I stem has grapevine competition (M)   S   NRFP   Remove   Stewardship	62	Black Locust		~30	Р	Р	Р		4		RNFP	Remove	Poor Condition
64   Siberian Elm   Ulmus pumila   -25   F   F   G   4   Lean (M), deadwood (L), growth deficit at base   RNFP   Remove   Stewardship	63	Manitoba Maple	Acer negundo	15, 14	F	P-F	P-F		4	, , , , , , , , , , , , , , , , , , , ,	RNFP	Remove	Stewardship
65 Siberian Elm Ulmus pumila -30, -26 F F P-F 4 (Co-dominant at base, crook (M) in 1 stem, grapevine competition (L), stem wounds (RNFP Remove Stewardship) 66 Silver Maple Acer saccharinum -40 F F G 4 Lean (H), crook (L), grapevine competition (L), debris at base RNFP Remove Stewardship) 67 Manitoba Maple Acer negundo 21 F P-F G 4 Vine competition (M), poor form (H) RNFP Remove Stewardship) 68 Manitoba Maple Acer negundo -20 F G G 4 Lean (H), deadwood (M), poor form (H) RNFP Remove Stewardship) 69 Manitoba Maple Acer negundo -20 F G G G 4 Grapevine competition (M), growth deficit at base, asphalt around base RNFP Remove Stewardship) 70 Siberian Elm Ulmus pumila -55 G G G G 4 Crook (F), co-dominant at base, 1 stem dead, deadwood (M) RNFP Remove Stewardship) 71 Siberian Elm Ulmus pumila 75, 31 F G G 4 Crook (F), co-dominant at base, 1 stem dead, deadwood (M) RNFP Remove Stewardship) 72 Siberian Elm Ulmus pumila 31 P P P P 4 Stem wounds (H), co-dominant at base, 1 stem dead, deadwood (M) RNFP Remove Stewardship) 73 Siberian Elm Ulmus pumila 18.5 F F G 4 Pinning Acer (L), asymmetical crown, impacted by 72 RNFP Remove Stewardship) 74 Siberian Elm Ulmus pumila 18.5 F F G 4 Pinning Acer (L), asymmetical crown, impacted by 72 RNFP Remove Stewardship) 75 Siberian Elm Ulmus pumila 41, 38 F P-F F 4 Carok (L), asymmetical crown, impacted by 72 RNFP Remove Stewardship) 76 Siberian Elm Ulmus pumila 27 G G G G 4 Pinning wounds (L), co-dominant at base, 36.5cm stem leans (L), 37cm stem has rot, splitting bark, puning wounds (L), deadwood (L) RNFP Remove Stewardship) 77 Siberian Elm Ulmus pumila -70 G F F-G 4 Crook (L) growth deficit at base (L) RNFP Remove Stewardship 78 Manitoba Maple Acer negundo 18 F F F G 4 Crook (L), growth deficit at base (L) RNFP Remove Stewardship 80 Siberian Elm Ulmus pumila -60 G G G 4 Lean (L), crook (L) RNFP Remove Stewardship 81 Siberian Elm Ulmus pumila -60 G G G 4 Er G G G G G G G G G G G G G G G G G G	64	Siberian Elm	I Ilmus numila	~25	F	F	G		1		RNFP	Remove	Stewardship
Siberian Elm   Ulmus pumila   27   G   G   G   F   F   F   G   G   F   F													
Ge   Silver Mapple   Acer seaccharinum   -40   F   F   G   4   Lean (H), crook (L), grapevine competition (L), debris at base   RNFP   Remove   Stewardship   67   Manitoba Mapple   Acer negundo   21   F   P   F   G   4   Lean (H) toward ravine, vine competition (L), asphalt around base   RNFP   Remove   Stewardship   68   Manitoba Mapple   Acer negundo   -20   F   G   G   4   Lean (H) toward ravine, vine competition (L), asphalt around base   RNFP   Remove   Stewardship   69   Manitoba Mapple   Acer negundo   -20   F   G   G   4   Grapevine competition (M), growth deficit at base, asphalt around base   RNFP   Remove   Stewardship   70   Sterian Elm   Ulmus pumila   -55   G   G   G   4   Grapevine competition (M), growth deficit at base, asphalt around base   RNFP   Remove   Stewardship   70   Sterian Elm   Ulmus pumila   75, 31   F   G   G   4   Grapevine competition (M), growth deficit at base, asphalt around base   RNFP   Remove   Stewardship   71   Sterian Elm   Ulmus pumila   75, 31   F   G   G   4   Grapevine competition (M), growth deficit at base, asphalt around base   RNFP   Remove   Stewardship   71   Sterian Elm   Ulmus pumila   31   P   P   P   4   Stem wounds (H), co-dominant at base, 1 stem dead, deadwood (M)   RNFP   Remove   Stewardship   73   Sterian Elm   Ulmus pumila   18.5   F   F   G   4   Ean (L), asymmetrical crown, impacted by 72   RNFP   Remove   Stewardship   74   Sterian Elm   Ulmus pumila   41, 38   F   P-F   F   F   G   4   Pruning wounds (L), stem wounds (M), pruning wounds (L), co-dominant at base, 3.5cm stem leans (L), 37cm stem has rot, splitting bark, pruning wounds (L), stem wounds (M), pruning wounds (L), co-dominant stems in crown   RNFP   Remove   Stewardship   Pruning wounds (L), stem wounds (M), pruning wounds (L), co-dominant stems in crown   RNFP   Remove   Stewardship   Pruning wounds (L), co-dominant stems in crown   RNFP   Remove   Stewardship   RNFP   Remove   Stewardship   Pruning wounds (L), co-dominant stems in crown   RNFP   Remove   Stewardship   RNFP   Remove	65	Siberian Elm	Ulmus pumila	~30, ~26	F	F	P-F		4		RNFP	Remove	Stewardship
67 Manitoba Maple	66	Silver Maple	Acer saccharinum	~40	F	F	G		4		RNFP	Remove	Stewardship
69 Manitoba Maple Acer negundo 21 F P-F G 4 Lean (H) toward ravine, vine competition (L), asphalt around base RNFP Remove Stewardship 70 Siberian Elm Ulmus pumila 75, 31 F G G 4 Crook, debris in root zone, deadwood (L) 71 Siberian Elm Ulmus pumila 75, 31 F G G 4 Crook debris in root zone, deadwood (L) 72 Siberian Elm Ulmus pumila 31 P P P P 4 Stem wounds (H), co-dominant stems in crown 73 Siberian Elm Ulmus pumila 18.5 F F G G 4 Lean (L), asymmetrical crown, impacted by 72 RNFP Remove Stewardship 74 Siberian Elm Ulmus pumila 15 G G F-G 4 Pruning wounds (L), stem wounds (L), stem wounds (L), co-dominant stems in crown 75 Siberian Elm Ulmus pumila 41, 38 F P-F F 4 Crook (L) 76 Siberian Elm Ulmus pumila 27 G G G G 4 Crook (L) stem wounds (L), stem wounds (L), co-dominant stems in crown 77 Siberian Elm Ulmus pumila 41, 38 F P-F F G 4 Crook (L) 78 Siberian Elm Ulmus pumila 41, 38 F P-F F G G G G G G G G G G G G G G G G G G	67	Manitoba Maple	Acer negundo	14	F	Р	F		4	Vine competition (M), poor form (H)	RNFP	Remove	Stewardship
Siberian Elm   Ulmus pumila   -55   G   G   G   4   Grapevine competition (IM), growth deficit at base, asphalt around base   RNFP   Remove   Stewardship   70   Siberian Elm   Ulmus pumila   -55   G   G   G   4   Crook, debris in root zone, deadwood (L)   RNFP   Remove   Stewardship   71   Siberian Elm   Ulmus pumila   31   P   P   P   4   Stew mounds (L), co-dominant at base, 1 stem dead, deadwood (M)   RNFP   Remove   Stewardship   Stewardshi	68	Manitoba Maple	Acer negundo	21	F	P-F	G		4	Lean (H) toward ravine, vine competition (L), asphalt around base	RNFP	Remove	Stewardship
Siberian Elm   Ulmus pumila   -55   G   G   G   G   G   G   Crook, debris in root zone, deadwood (L)   RNFP   Remove   Stewardship   RNFP   Remove   Stewa	69			~20	F	G	G		4		RNFP	Remove	
71 Siberian Elm Ulmus pumila 75, 31 F G G G 4 Rot from base to breast height (0.5m width) where pruning occurred, broken praches (L), co-dominant stems in crown representation of the process of the pro					G				4				
Siberian Elm   Ulmus pumila   31   P P P   4   Stem wounds (H), co-dominant stems in crown   Stewardship										Rot from base to breast height (0.5m width) where pruning occurred, broken			
73 Siberian Elm Ulmus pumila 18.5 F F G 4 Lean (L), asymmetrical crown, impacted by 72 RNFP Remove Stewardship 74 Siberian Elm Ulmus pumila 15 G G F-G 4 Pruning wounds (L) 75 Siberian Elm Ulmus pumila 41, 38 F P-F F 4 Co-dominant at base, 36.5cm stem leans (L), 37cm stem has rot, splitting bark, pruning wounds (L), stem wounds (L), deadwood (L) 76 Siberian Elm Ulmus pumila 27 G G G G 4 Crook (L) 77 Siberian Elm Ulmus pumila -70 G F F-G 4 Canker (L), stem wounds (M), pruning wounds (L), co-dominant stems in crown RNFP Remove Stewardship 78 Manitoba Maple Acer negundo 18 F F F-G 4 Crook (L) growth deficit at base (L) 79 Siberian Elm Ulmus pumila 57 F F G 4 Pruning wounds (M), crack from base to breast height with open wound at rot, crack at 5 meters, lean (M) 80 Siberian Elm Ulmus pumila 16 G G G 4 Lean (L), crook (L) 81 Siberian Elm Ulmus pumila 16 G G G G 4 Lean (L), crook (L) 82 Manitoba Maple Acer negundo 17.5 F P P P 4 Dead RNFP Remove Stewardship 83 Siberian Elm Ulmus pumila 16.5 F F F F F F F F F F F F F F F F F F F			, i	·									•
74 Siberian Elm Ulmus pumila 15 G G F-G 4 Pruning wounds (L) 75 Siberian Elm Ulmus pumila 41, 38 F P-F F 4 Co-dominant at base, 36.5cm stem leans (L), 37cm stem has rot, splitting bark, RNFP Remove Stewardship Pruning wounds (L), stem wounds (L), deadwood (L) 76 Siberian Elm Ulmus pumila 27 G G G G 4 Crook (L) 77 Siberian Elm Ulmus pumila -70 G F F-G 4 Canker (L), stem wounds (M), pruning wounds (L), co-dominant stems in crown RNFP Remove Stewardship RMinitoba Maple Acer negundo 18 F F-G 4 Crook (L). 78 Siberian Elm Ulmus pumila 57 F F G 4 Crook (L). 80 Siberian Elm Ulmus pumila 57 F F G 4 Crook (L). 81 Siberian Elm Ulmus pumila -60 G G G 4 Lean (L), crook (L) 82 Manitoba Maple Acer negundo 17.5 F P P P 4 Dead 16.5 F F F G G G G G G G G G G G G G G G G													
75 Siberian Elm Ulmus pumila 41,38 F P-F F 4 Co-dominant at base, 36.5cm stem leans (L), 37cm stem has rot, splitting bark, pruning wounds (L), stem wounds (L), deadwood (L)  76 Siberian Elm Ulmus pumila 27 G G G 4 Crook (L)  77 Siberian Elm Ulmus pumila -70 G F F-G 4 Canker (L), stem wounds (M), pruning wounds (L), co-dominant stems in crown RNFP Remove Stewardship  78 Manitoba Maple Acer negundo 18 F F G 4 Crook (L)  79 Siberian Elm Ulmus pumila 57 F F G 4 Crook (L)  80 Siberian Elm Ulmus pumila -60 G G G G 4 Lean (L), crook (L)  81 Siberian Elm Ulmus pumila 16 G G G G 4 Lean (L), crook (L)  82 Manitoba Maple Acer negundo 17.5 F P P A Dead Stewardship  83 Siberian Elm Ulmus pumila 16.5 F F F G 4 Dead  84 Siberian Elm Ulmus pumila 16.5 F F F G A Dead  85 Siberian Elm Ulmus pumila 16.5 F F F G A Dead  86 Siberian Elm Ulmus pumila 16.5 F F F G A Dead  87 Siberian Elm Ulmus pumila 16.5 F F F G A Dead  88 Siberian Elm Ulmus pumila 16.5 F F F G A Dead  89 Siberian Elm Ulmus pumila 16.5 F F F G A Dead  80 Siberian Elm Ulmus pumila 16.5 F F F G A Dead  80 Siberian Elm Ulmus pumila 16.5 F F F G A Dead  81 Siberian Elm Ulmus pumila 16.5 F F F G A Dead  82 Siberian Elm Ulmus pumila 16.5 F F F G A Dead  83 Siberian Elm Ulmus pumila 16.5 F F F G G A Dead  84 Siberian Elm Ulmus pumila 16.5 F F F G G A Dead  85 Manitoba Maple Acer negundo 12 F G G G A Dead Crook (M)  86 Siberian Elm Ulmus pumila -60 G G G G A Dead Crook (M)  87 Siberian Elm Ulmus pumila -60 G G G F-G A Stem wounds (M), deadwood (L)  88 Manitoba Maple Acer negundo 12 F G G A Stem wounds (M), deadwood (L)  89 Remove Stewardship  80 Siberian Elm Ulmus pumila -60 G G G F-G A Stem wounds (M), deadwood (L)  80 RNFP Remove Stewardship  81 Siberian Elm Ulmus pumila -60 G G G F-G A Stem wounds (M), deadwood (L)  82 Remove Stewardship  83 Siberian Elm Ulmus pumila -60 G G G F-G A Stem wounds (M), deadwood (L)  84 Siberian Elm Ulmus pumila -60 G G G F-G A Stem wounds (M), deadwood (L)  85 Remove Stewardship  86 Siberian Elm Ulmus pumila -60 G G G F-G A Stem wounds (M)													
Siberian Elm   Ulmus pumila   41, 38   F   F-F   F   4   pruning wounds (L), stem wounds (L), deadwood (L)	74	Siberian Elm	Ulmus pumila	15	G	G	F-G		4		RNFP	Remove	Stewardship
76 Siberian Elm Ulmus pumila 27 G G G G 4 Crook (L) RNFP Remove Stewardship 77 Siberian Elm Ulmus pumila ~70 G F F-G 4 Canker (L), stem wounds (M), pruning wounds (L), co-dominant stems in crown RNFP Remove Stewardship 78 Manitoba Maple Acer negundo 18 F F F-G 4 Crook (L), growth deficit at base (L) RNFP Remove Stewardship 79 Siberian Elm Ulmus pumila 57 F F G 4 Crook (L), growth deficit at base (L) RNFP Remove Stewardship 80 Siberian Elm Ulmus pumila ~60 G G G 4 Lean (L), crook (L) 81 Siberian Elm Ulmus pumila 16 G G G G 4 Lean (L), crook (L) 82 Manitoba Maple Acer negundo 17.5 F P P 4 Dead RNFP Remove Stewardship 83 Siberian Elm Ulmus pumila 16.5 F F F F 4 Stem wounds (M), pruning wounds, poor form (L) 84 Siberian Elm Ulmus pumila 16.5 F F F F G A Stew wounds (M), pruning wounds, poor form (L) 85 Manitoba Maple Acer negundo 17.5 F F F F A Stem wounds (M), pruning wounds (M), lean (L), included bark, broken branches (M) 86 Siberian Elm Ulmus pumila 64 F F F F G A Stew wounds (M), lean (L), included bark, broken branches (M) 87 Manitoba Maple Acer negundo 12 F G G A Stew wounds (M), deadwood (L) 88 Manitoba Maple Acer negundo 12 F G G A Stew wounds (M), deadwood (L) 89 Manitoba Maple Acer negundo 12 F F G G A Stew wounds (M), deadwood (L) 80 RNFP Remove Stewardship 81 Manitoba Maple Acer negundo 12 F F G G A Stew wounds (M), deadwood (L) 82 RNFP Remove Stewardship 83 Siberian Elm Ulmus pumila ~60 G G G F-G A Stem wounds (M), deadwood (L) 84 Siberian Elm Ulmus pumila ~60 G G F-G A Stem wounds (M), deadwood (L) 85 RNFP Remove Stewardship 86 Siberian Elm Ulmus pumila 27.5, 10 F F F A Stem wounds (M), deadwood (L) 87 RNFP Remove Stewardship 87 Siberian Elm Ulmus pumila 27.5, 10 F F F A Stem wounds (M), deadwood (L) 88 Siberian Elm Ulmus pumila 27.5, 10 F F F F A Stem wounds (M), deadwood (L) 89 RNFP Remove Stewardship 80 Siberian Elm Ulmus pumila 27.5, 10 F F F F A Stem wounds (M), deadwood (L) 80 RNFP Remove Stewardship 81 Siberian Elm Ulmus pumila 27.5, 10 F F F F A Stem wounds (M), deadwood (L)	75	Siberian Elm	Ulmus pumila	41, 38	F	P-F	F		4		RNFP	Remove	Stewardship
77 Siberian Elm Ulmus pumila -70 G F F-G 4 Canker (L), stem wounds (M), pruning wounds (L), co-dominant stems in crown RNFP Remove Stewardship  78 Manitoba Maple Acer negundo 18 F F-G 4 Crook (L), growth deficit at base (L)  79 Siberian Elm Ulmus pumila 57 F F G 4 Crook (L), growth deficit at base (L)  80 Siberian Elm Ulmus pumila -60 G G G G 4 Lean (L), crook (L)  81 Siberian Elm Ulmus pumila 16 G G G G 4 Lean (L), crook (L)  82 Manitoba Maple Acer negundo 17.5 F P P 4 Dead RNFP Remove Stewardship  83 Siberian Elm Ulmus pumila 16.5 F F F F 4 Stem wounds (M), pruning wounds, poor form (L)  84 Siberian Elm Ulmus pumila 16.5 F F F F G G G G G G G G G G G G G G G	76	Siberian Elm	Ulmus pumila	27	G	G	G		4		RNFP	Remove	Stewardship
78Manitoba MapleAcer negundo18FFF-G4Crook (L), growth deficit at base (L)RNFPRemoveStewardship79Siberian ElmUlmus pumila57FFG4Pruning wounds (M), crack from base to breast height with open wound at rot, crack at 5 meters, lean (M)RNFPRemoveStewardship80Siberian ElmUlmus pumila-60GGG4Lean (L), crook (L)RNFPRemoveStewardship81Siberian ElmUlmus pumila16GGG4Lean (L), deadwood (L)RNFPRemoveStewardship82Manitoba MapleAcer negundo17.5FPP4DeadRNFPRemovePoor Condition83Siberian ElmUlmus pumila16.5FFFF4Stem wounds (M), pruning wounds, poor form (L)RNFPRemoveStewardship84Siberian ElmUlmus pumila64FFFF4Co-dominant stems at 1.5 meters, stem wounds (M), lean (L), included bark, broken branches (M)RNFPRemoveStewardship85Manitoba MapleAcer negundo12FGG4Crook (M)RNFPRemoveStewardship86Siberian ElmUlmus pumila-60GGF-G4Stem wounds (M), deadwood (L)RNFPRemoveStewardship87Siberian ElmUlmus pumila-60GGF-G													
79 Siberian Elm Ulmus pumila 57 F F G 4 Pruning wounds (M), crack from base to breast height with open wound at rot, crack at 5 meters, lean (M)  80 Siberian Elm Ulmus pumila ~60 G G G 4 Lean (L), crook (L) RNFP Remove Stewardship  81 Siberian Elm Ulmus pumila 16 G G G 4 Lean (L), deadwood (L) RNFP Remove Stewardship  82 Manitoba Maple Acer negundo 17.5 F P P A Dead RNFP Remove Poor Condition  83 Siberian Elm Ulmus pumila 16.5 F F F F 4 Stem wounds (M), pruning wounds, poor form (L) RNFP Remove Stewardship  84 Siberian Elm Ulmus pumila 64 F F F F A Co-dominant stems at 1.5 meters, stem wounds (M), lean (L), included bark, broken branches (M)  85 Manitoba Maple Acer negundo 12 F G G 4 Crook (M)  86 Siberian Elm Ulmus pumila ~60 G G F-G 4 Stem wounds (M), deadwood (L)  87 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 1 dead stem, pruning wounds (L), grapevine competition (L)  88 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 1 dead stem, pruning wounds (L), grapevine competition (L)  88 Siberian Elm Ulmus pumila 27.5, 10 F F F A 1 dead stem, pruning wounds (L), grapevine competition (L)  88 Siberian Elm Ulmus pumila 27.5, 10 F F F A 1 dead stem, pruning wounds (L), grapevine competition (L)  88 Siberian Elm Ulmus pumila 27.5, 10 F F F A 1 dead stem, pruning wounds (L), grapevine competition (L)  88 Siberian Elm Ulmus pumila 27.5, 10 F F F A 1 dead stem, pruning wounds (L), grapevine competition (L)  88 Siberian Elm Ulmus pumila 27.5, 10 F F F A 1 dead stem, pruning wounds (L), grapevine competition (L)													
80 Siberian Elm Ulmus pumila ~60 G G G 4 Lean (L), crook (L) RNFP Remove Stewardship 81 Siberian Elm Ulmus pumila 16 G G G 4 Lean (L), deadwood (L) RNFP Remove Stewardship 82 Manitoba Maple Acer negundo 17.5 F P P 4 Dead RNFP Remove Poor Condition 83 Siberian Elm Ulmus pumila 16.5 F F F F 4 Stem wounds (M), pruning wounds, poor form (L) RNFP Remove Stewardship 84 Siberian Elm Ulmus pumila 64 F F F F 4 Co-dominant stems at 1.5 meters, stem wounds (M), lean (L), included bark, broken branches (M) 85 Manitoba Maple Acer negundo 12 F G G 4 Crook (M) 86 Siberian Elm Ulmus pumila ~60 G G F-G 4 Stem wounds (M), deadwood (L) 87 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 I dead stem, pruning wounds (L), grapevine competition (L) 88 RNFP Remove Stewardship 89 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 I dead stem, pruning wounds (L), grapevine competition (L) 80 RNFP Remove Stewardship 81 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 I dead stem, pruning wounds (L), grapevine competition (L) 82 RNFP Remove Stewardship 83 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 I dead stem, pruning wounds (L), grapevine competition (L) 84 RNFP Remove Stewardship 85 Ramitoba Maple RNFP Remove Stewardship 86 Siberian Elm Ulmus pumila 27.5, 10 F F F F 4 I dead stem, pruning wounds (L), grapevine competition (L)										Pruning wounds (M), crack from base to breast height with open wound at rot, crack			
81 Siberian Elm Ulmus pumila 16 G G G 4 lean (L), deadwood (L) RNFP Remove Stewardship 82 Manitoba Maple Acer negundo 17.5 F P P 4 Dead RNFP Remove Poor Condition 83 Siberian Elm Ulmus pumila 16.5 F F F F 4 Stem wounds (M), pruning wounds, poor form (L) RNFP Remove Stewardship 84 Siberian Elm Ulmus pumila 64 F F F F 4 Co-dominant stems at 1.5 meters, stem wounds (M), lean (L), included bark, broken branches (M) 85 Manitoba Maple Acer negundo 12 F G G 4 Crook (M) RNFP Remove Stewardship 86 Siberian Elm Ulmus pumila ~60 G G F-G 4 Stem wounds (M), deadwood (L) RNFP Remove Stewardship 87 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 1 dead stem, pruning wounds (L), grapevine competition (L) RNFP Remove Stewardship	90	Siberian Elm	I Ilmus numilo	. 60	G	-	-		1		DNED	Pamaya	Stowardship
82Manitoba MapleAcer negundo17.5FPP4DeadRNFPRemovePoor Condition83Siberian ElmUlmus pumila16.5FFFFFFFRNFPRemoveStewardship84Siberian ElmUlmus pumila64FFFFCo-dominant sterns at 1.5 meters, stem wounds (M), lean (L), included bark, broken branches (M)RNFPRemoveStewardship85Manitoba MapleAcer negundo12FGG4Crook (M)RNFPRemoveStewardship86Siberian ElmUlmus pumila~60GGF-G4Stem wounds (M), deadwood (L)RNFPRemoveStewardship87Siberian ElmUlmus pumila27.5, 10FFF41 dead stem, pruning wounds (L), grapevine competition (L)RNFPRemoveStewardship									_				
83 Siberian Elm Ulmus pumila 16.5 F F F 4 Stem wounds (M), pruning wounds, poor form (L) RNFP Remove Stewardship  84 Siberian Elm Ulmus pumila 64 F F F F 4 Co-dominant stems at 1.5 meters, stem wounds (M), lean (L), included bark, broken branches (M)  85 Manitoba Maple Acer negundo 12 F G G 4 Crook (M)  86 Siberian Elm Ulmus pumila ~60 G G F-G 4 Stem wounds (M), deadwood (L)  87 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 1 dead stem, pruning wounds (L), grapevine competition (L)  88 RNFP Remove Stewardship  89 RNFP Remove Stewardship								1					
84 Siberian Elm Ulmus pumila 64 F F F G G 4 Cro-dominant stems at 1.5 meters, stem wounds (M), lean (L), included bark, broken RNFP Remove Stewardship  85 Manitoba Maple Acer negundo 12 F G G 4 Crook (M) RNFP Remove Stewardship  86 Siberian Elm Ulmus pumila ~60 G G F-G 4 Stem wounds (M), deadwood (L) RNFP Remove Stewardship  87 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 1 dead stem, pruning wounds (L), grapevine competition (L) RNFP Remove Stewardship								-					
84 Siberian Elm Ulmus pumila 64 F F F F 4 branches (M)  85 Manitoba Maple Acer negundo 12 F G G 4 Crook (M)  86 Siberian Elm Ulmus pumila ~60 G G F-G 4 Stem wounds (M), deadwood (L)  87 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 1 dead stem, pruning wounds (L), grapevine competition (L)  RNFP Remove Stewardship  88 Stemandship	83	Siberian ElM	oirrius pumila	16.5	F	F			4		KNFP	Kernove	Stewardship
86 Siberian Elm Ulmus pumila ~60 G G F-G 4 Stem wounds (M), deadwood (L) RNFP Remove Stewardship 87 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 1 dead stem, pruning wounds (L), grapevine competition (L) RNFP Remove Stewardship			,			-				branches (M)			·
87 Siberian Elm Ulmus pumila 27.5, 10 F F F 4 1 dead stem, pruning wounds (L), grapevine competition (L) RNFP Remove Stewardship												Remove	
												Remove	
88   Siberian Elm   Ulmus pumila   22   G   G   G   25   4   Pruning wounds (L)   RNFP   Remove   Stewardship							_					Remove	
	88	Siberian Elm	Ulmus pumila	22	G	G	G	25	4	Pruning wounds (L)	RNFP	Remove	Stewardship

89	Siberian Elm	Ulmus pumila	~50	F	Р	Р		4	Pruning wounds (M), epicormic branching (M), grapevine competition (H), co-	RNFP	Remove	Poor Condition
									dominant stems at 2.5 meters			
90	Siberian Elm	Ulmus pumila	17	F	Р	Р		4	Pruning wounds (L), grapevine competition (H), deadwood (L)	RNFP	Remove	Poor Condition
91	Siberian Elm	Ulmus pumila	42	F-G	F	F		4	Crack to 4 meters, rot	RNFP	Remove	Stewardship
92	Manitoba Maple	Acer negundo	12	F-G	F	G		4	Co-dominant at base, growth deficit at base, stem wound (H), bow (L)	RNFP	Remove	Stewardship
93	Siberian Elm	Ulmus pumila	~35, ~30	P-F	F	P-F		4	Union at base, broken top, included bark, decay in upper crown, pruning wounds (L), stem wounds (L)	RNFP	Remove	Stewardship
94	Siberian Elm	Ulmus pumila	41	F-G	F	F		4	Grapevine competition (M), stem wounds (M), seam (L), co-dominant stems in crown, deadwood (L)	RNFP	Remove	Stewardship
95	Siberian Elm	Ulmus pumila	45, 39, 29	Р	Р	F		4	Union at base, multiple stem failures, 1 dead and lying across base of tree, grapevine competition (M), pruning wounds (L), stem wounds (M), open wound (H)	RNFP	Remove	Poor Condition
96	Siberian Elm	Ulmus pumila	63	F	F	G		4	Co-dominant at 2 meters, crack at union (L), deadwood (L)	RNFP	Remove	Stewardship
97	Siberian Elm	Ulmus pumila	~51	Р	Р	Р		4	Dead	RNFP	Remove	Poor Condition
98	Siberian Elm	Ulmus pumila	27	F	F	F		4	Lean (L), stem wounds (M) with rot, asymmetrical crown, bow (M)	RNFP	Remove	Stewardship
99	Siberian Elm	Ulmus pumila	28.5	F	F	F		4	Broken branches (M), stem wounds (M), included bark, co-dominant stems in crown	RNFP	Remove	Stewardship
100	Siberian Elm	Ulmus pumila	~60	G	G	F		4	Stem wounds (H), grapevine competition (H), co-dominant stems at 3 meters, broken branches (M)	RNFP	Remove	Stewardship
101	Siberian Elm	Ulmus pumila	~55	G	G	G	25	4	Grapevine competition (H), pruning wounds (L)	RNFP	Remove	Stewardship
102	Siberian Elm	Ulmus pumila	~60	Ğ	Ğ	Ğ	15	4	Asymmetrical crown (M), deadwood (L)	RNFP	Remove	Stewardship
103	Manitoba Maple	Acer negundo	15	F	P	F		4	Pruning wounds (H), lean (M)	RNFP	Missing	-
104	Siberian Elm	Ulmus pumila	15	G	G	G		4		RNFP	Remove	Stewardship
105	Siberian Elm	Ulmus pumila	13	G	G	F		4	Pruning wounds (L)	RNFP	Remove	Stewardship
106	Siberian Elm	Ulmus pumila	12.5	G	G	F		4	Stem wounds (M)	RNFP	Remove	Stewardship
107	Siberian Elm	Ulmus pumila	26	P	P	P-F		4	Lean (M), poor form (M), top cut at 2 meters	RNFP	Remove	Poor Condition
108	Siberian Elm	Ulmus pumila	10.5	F	G	G		4	Lean (M)	RNFP	Missing	-
109	Siberian Elm	Ulmus pumila	13.5	P	P	P		4	Phoenix tree, lean (H), stem wounds (H)	RNFP	Missing	_
110	Siberian Elm	Ulmus pumila	12	F	F	P		4	Pruning wounds (M), suppressed	RNFP	Remove	Stewardship
111	Siberian Elm	Ulmus pumila	16.5	F	F	F	15	4	Broken branches (L), vine competition (L)	RNFP	Remove	Stewardship
112	Siberian Elm	Ulmus pumila	25	F	F	F	13	4	Crack (M), poor form (M), stem wounds (M), broken branches (M)	RNFP	Remove	Stewardship
113	Siberian Elm	Ulmus pumila	~35	F	F	F		4	Lean (M), broken branches (L), deadwood (M)	RNFP	Remove	Stewardship
114	Manitoba Maple	Acer negundo	~35 17	P-F	P-F	F		4	Stem wound (M), 1 stem pruned at base	RNFP	Remove	
115	Siberian Elm	Ulmus pumila	21	F-F	P-F	F		4		RNFP	Remove	Stewardship
116	Siberian Elm	Ulmus pumila	15	P	P-F	P		4	Growth deficit at base, crook, stem wounds (M), broken top  Stem wounds (H)	RNFP	Missing	Stewardship
			14	G	G	F			Stern wounds (n)	RNFP		Ctannandabia
117	Siberian Elm	Ulmus pumila	19	F	G	G		4	C4	RNFP	Remove	Stewardship
118	Siberian Elm	Ulmus pumila		F	G	G	<u> </u>	4	Stem wounds (L), seam (L)	RNFP	Remove	Grading
119	Siberian Elm	Ulmus pumila	~40, ~40, ~35, ~20, ~15	F	P-F	F		4	Clump of 5, lean (L-M), stem wounds (L), pruning wounds (M), broken branches (H)	RNFP	Remove	Stewardship
120	Siberian Elm	Ulmus pumila	20	F	F	F		4	Grapevine competition (L), impacted by neighbouring tree, pruning wounds (L)	RNFP	Remove	Stewardship
121	Siberian Elm	Ulmus pumila	~37	F	F	F	30	4	Lean (M), asymmetrical crown, deadwood (M)	RNFP	Remove	Stewardship
122	Siberian Elm	Ulmus pumila	16	F	F	F	30	4	Poor form (M), broken branches (L)	RNFP	Remove	Stewardship
123	Siberian Elm	Ulmus pumila	46	F-G	F-G	F-G		4	Lean (L), broken branches (L)	RNFP	Remove	Stewardship
124	White Elm	Ulmus americana	16	G	G	G		4	Grapevine competition (L)	RNFP	Remove	Stewardship
125	Siberian Elm	Ulmus pumila	12	G	F-G	G		4	Suppressed	RNFP	Remove	Stewardship
126	Manitoba Maple	Acer negundo	11	F	P-F	G		4	Lean (M), top cut at 1.5 meters	RNFP	Remove	Stewardship
127	White Elm	Ulmus americana	16	G	G	G		4	Crook (L)	RNFP	Remove	Stewardship
128	Manitoba Maple	Acer negundo	18	Р	Р	Р		4	Both leaders pruned, rot	RNFP	Remove	Poor Condition
129	Norway Maple	Acer platanoides	22	G	G	G		4	Lean (L)	RNFP	Remove	Stewardship
130	Siberian Elm	Ulmus pumila	18	Р	Р	Р		4	Lean (H), impacted by neighbouring tree	RNFP	Remove	Stewardship
131	Siberian Elm	Ulmus pumila	~14	Р	Р	Р		4	Impacted by neighbouring tree	RNFP	Missing	-
132	Siberian Elm	Ulmus pumila	55	Р	Р	Р		4	Broken leader, stem wound (M)	RNFP	Remove	Poor Condition
133	Siberian Elm	Ulmus pumila	17	G	G	F		4	Pruning wounds (L)	RNFP	Remove	Stewardship
134	Manitoba Maple	Acer negundo	14.5	F	F	F		4	Crook (M), lean (L), stem wounds (M), pruning wounds (M)	RNFP	Remove	Stewardship
135	Manitoba Maple	Acer negundo	20	P-F	P-F	P-F		4	Crack (M), stem wounds (H), epicormic branching (M), decay present	RNFP	Remove	Stewardship
136	Manitoba Maple	Acer negundo	11	P	P	P		4	Dead	RNFP	Remove	Poor Condition
137	Manitoba Maple	Acer negundo	17.5	F	F	G		4	Lean (M), crook (H)	RNFP	Missing	-
		-							Lean (M), stem wounds (M), epicormic branching (L), deadwood (L), union at 3			
138	Siberian Elm	Ulmus pumila	55	F	F	G		4	meters	RNFP	Remove	Stewardship

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139	Manitoba Maple	Acer negundo	16	F	G	G		4	sweep (M), epicormic branching (M)	RNFP	Remove	Stewardship
140	Manitoba Maple	Acer negundo	14.5	F	P-F	F	35	4	Lean (L), crook (H)	RNFP	Remove	Stewardship
141	Manitoba Maple	Acer negundo	29.5	F	G	G		4	Included fence	RNFP	Missing	-
142	Manitoba Maple	Acer negundo	14	F	F	G		4	Crook (L), broken top	RNFP	Remove	Stewardship
143	Manitoba Maple	Acer negundo	13	F	F-G	G		4	Lean (L), grapevine competition (L), epicormic branching (M)	RNFP	Remove	Stewardship
144	Manitoba Maple	Acer negundo	17	F	P-F	G		4	Lean (M), bow (H)	RNFP	Remove	Stewardship
145	Manitoba Maple	Acer negundo	14	F	G	G		4	Lean (L)	RNFP	Remove	Stewardship
146	Manitoba Maple	Acer negundo	31	F	G	G		4	Lean (L)	RNFP	Remove	Stewardship
147	Filbert species	Corylus sp.	23, 22	F	G	G		4	Co-dominant at 0.25 meters, included bark	RNFP	Remove	Stewardship
Α	Weeping Willow	Salix x sepulcralis	~205	F	F	F		4	Union at 1.5 m, natural branch scars (M), included bark, gypsy moth present, broken branches (M), deadwood (L)	RNFP	Retain	-
В	Siberian Elm	Ulmus pumila	15, 13	F	F	G		4	Co-dominant stems at 0.25 meters, included bark, pruning wounds (H)	RNFP	Remove	Walkway
С	Manitoba Maple	Acer negundo	28.5	P-F	F	F		4	Main stem dead with rot and broke off at 3.5 metres, lean(M), wildlife den below root zone, elevated hazard	RNFP	Missing	-
D	Silver Maple	Acer saccharinum	48	P-F	Р	Р	100	4	Elevated risk potential, tree is dead, removal recommended	RNFP	Missing	-
E	Siberian Elm	Ulmus pumila	45	P-F	F	F	20	4	Target canker on stem(H), asymmetrical crown(M)	RNFP	Missing	-
F	Siberian Elm	Ulmus pumila	59	F	F	F	10	4	Ribbing (H), asymmetrical crown (M), union at 6 meters, broken branches (L)	RNFP	Remove	Poor Condition
G	Siberian Elm	Ulmus pumila	15.5, 11	F	F	F-G		4	Co-dominant stems at 0.25 meters, pruning wounds (M)	RNFP	Remove	Entranceway
Н	Siberian Elm	Ulmus pumila	22, 20, 12	G	F	G		4	Multi-stem at 0.25 meters, included bark, pruning wounds (L)	RNFP	Remove	Walkway

	Codes												
DBH	Diameter at Breast Height	(cm)											
TI Trunk Integrity (G, F, P)													
CS	CS Crown Structure $(G, F, P)$												
CV	Crown Vigor	(G, F, P)											
Cat.	City of Toronto Tree Category	1 - 5											
DL Dripline (m)													
~ :	~ = Estimate, (L) = low, (M) = moderate, (H) = heavy												

## APPENDIX D. 100% TALLY OF REMAINING TREES EXCLUDED FROM THE INDIVIDUAL TREE INVENTORY

Tree Size Class >>>>	11 - 20cm	21 - 30cm	31 - 40cm	41 - 50cm	Regeneration	Total All Sizes
Class >>>					< 10 cm	
Species						
Siberian Elm (Ulmus pumila)	2				86	88
Manitoba Maple (Acer negundo)	3				107	110
Norway Maple (Acer platanoides)	4				108	112
Black Walnut (Juglans nigra)					1	1
Staghorn Sumac (Rhus typhina)					26	26
White Elm (Ulmus americana)					5	5
Green Ash (Fraxinus pennsylvanica)					23	23
Total Number of Trees	9	0	0	0	356	365