# **ARBORIST REPORT**

For: ERINVIEW RETIREMENT RESIDENCES REDEVELOPMENT 2132 Dundas Street West Mississauga, Ontario

> Sifton Properties Limited 195 Dufferin Avenue Suite 800 London, Ontario N6A 1K7

> > Prepared by:

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January 04, 2017

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## **Table of Contents**

2 - Y - Y -

| INTRODUCTION                                                                                                          | 3  |
|-----------------------------------------------------------------------------------------------------------------------|----|
| Aerial Photo 1                                                                                                        | 4  |
| Application to Permit the Injury or Destruction of Trees on Private Property                                          | 6  |
| EXISTING SITE CONDITIONS                                                                                              |    |
|                                                                                                                       |    |
| 1. EXISTING BULDING ENTRANCE                                                                                          | 8  |
| 2. FIFTH LINE WEST                                                                                                    | 8  |
| 3. SOUTHEAST PROPERTY LINE                                                                                            | 9  |
| 4. SOUTHWEST PROPERTY LINE                                                                                            | 11 |
| 5. DUNDAS STREET WEST                                                                                                 | 12 |
| 6. INTERIOR COURTYARDS                                                                                                | 13 |
| Tree Inventory List                                                                                                   | 14 |
| RECOMMENDATIONS                                                                                                       |    |
| Page Wire Hoarding & Sediment Control                                                                                 | 17 |
| erial Photo 1<br>pplication to Permit the Injury or Destruction of Trees on Private Property<br>STING SITE CONDITIONS | 18 |
| SUMMARY                                                                                                               | 19 |
| Phase One Tree Inventory & Preservation Plan                                                                          |    |
| Phase One Overall Landscape Plan                                                                                      |    |
| Phase Two Tree Inventory & Preservation Plan                                                                          |    |
| Phase Two Overall Landscape Plan                                                                                      |    |

#### INTRODUCTION

**Catherine H. Kirk, Landscape Architect** was retained by James Fryett Architect on behalf of Sifton Properties Limited, to prepare an Arborist Report for the proposed Erinview Retirement Residences Redevelopment at 2132 Dundas Street West in the City of Mississauga as part of the Site Plan Approval, Official Plan Amendment and the Zoning By-law Amendment. This development must follow the City of Mississauga <u>Private Tree</u> <u>Protection By-law (0254-2012)</u>. As stated,

*"The Private Tree Protection By-law (0254-2012) will protect and enhance Mississauga's existing tree cover while respecting a landowner's right to make changes to the landscape of their property in an environmentally responsible manner".*<sup>1</sup>

This parcel is identified as 2132 Dundas Street West in the City of Mississauga and is10,245.602 m2 in size.

<sup>&</sup>lt;sup>1</sup> http://www.mississauga.ca/portal/residents/parks-private-tree-protection

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**Aerial Photo 1** 

The site is bounded by Dundas Street West to the northwest,



Fifth Line West to the northeast, a church to the southwest



and single family residential lots to the southeast separated by a 1.8m high vertical board fence.



There is commercial development on the far side of Dundas Street West including a furniture store, an automobile repair shop and a Petro Canada station. A Petro Canada station is also located at the southeast corner of Dundas Street West and Fifth Line. Adjacent to the service station at the corner is residential development on the far side of Fifth Line West.

The intent of this Arborist Report, in conjunction with the Phase One Tree Inventory Plan is to preserve, where possible, some of the existing trees and to incorporate them into the proposed Landscape Plans for the site.

"No person shall injure or destroy five (5) or more trees each with a diameter greater than 15cm on a lot within one calendar year without first obtaining a permit pursuant to this By-law<sup>2</sup>.

Any trees proposed for removal will require a Tree Removal Permit from the City of Mississauga before any removals can take place. In order to obtain the permit an <u>Application to Permit the Injury or Destruction of Trees on Private Property</u> must be completed by the client. Before removing any trees, written consent is required from an adjacent property owner where any portion of the tree trunk rests on the property line or the adjacent owner's property.

<sup>&</sup>lt;sup>2</sup> The Corporation of the City of Mississauga. <u>Tree Permit By-Law Number 474-05</u>, page 3.

#### Application to Permit the Injury **Community Services Department** Forestry Section 950 Burnhamthorpe Road West or Destruction of Trees on MISSISSAUGA L5C 3B4 Tel: 3-1-1 (905-615-4311 outside City limits) Private Property MISSESSIUGH FAX: 905-615-3098 For a Tree Permit or Tree Removal Permission www.mississauga.ca/forestry Personal information on this form is collected under the authority of Section 135 of the Municipal Act, 2001, SO 2001, c25 and City of Messissauga By-aw 0254-2012 and will be used for processing the permit/permission applications. For the puepose of public access to information, a limited amount of information will be displayed on the City's website. Questions about the collection of personal information should be directed in the Private Tree Protection By-law Inspector at 31-1. nts regarding Application process Important Information / Requireme A separate application is required for each Provide two (2) copies of plans or Mall or deliver this application and other ٠ ٠ drawings of the property showing the location of trees to be removed and those applicable address. Incomplete applications supporting documentation to the Forestry will not be processed. Section at 950 Eurnhamthorpe Road West. being preserved, and if replanting please include a replanting or landscaping plan. Applications may take up to 30 days to be processed. ٠ This is not a permit. Removal of three trees. or more with a diameter of 15 cm or Additional copies may be requested. Fee Requirements: As per #7 ٠ greater before receiving an approved ٠ Provide an Arborist report completed by All Ash trees are considered dead/dying. permit will put you in contravention of By-law 0254-2012. an Arborist as defined, at the direction of All pages of this application must be completed to be accepted by Forestry ٠ the Private Tree Protection Ensure you have read and understand the for review. By-law inspector. Private Tree Protection By-law in its Before removing any trees, written consent For ASH TREE ONLY applications please entirety before completing this application. If this application is signed by an applicant is required from an adjacent property owner where any portion of the tree trunk. email applications to: privatebree@mississauga.ca or agent other than the owner, written rests on the property line or the adjacent. authorization of the owner is required. owner's property. FOR APPLICATIONS WITH ASH TREES ONLY, APPLICANT MUST HAVE A CERTIFIED ARBORIST VERIFY AND SIGN OFF ON INFORMATION Owner / Applicant / Municipal Address Information · Print clearly · All fields are mandatory · Application to be completed by applicant Provide all contact details where applicable, indicating your pretarred contact method by checking gr. this appropriate box. Ward # Municipal Site Address Name of Applicant/Agent D Cellphone Phone D Fax (#applicable) D Email Name of Registered Owner Mailing Address of Owner (# different then municipal address) Existing land use Declaration If Owner's signature cannot be included, a separate Letter of Owner's Authorization must be provided

Declaration

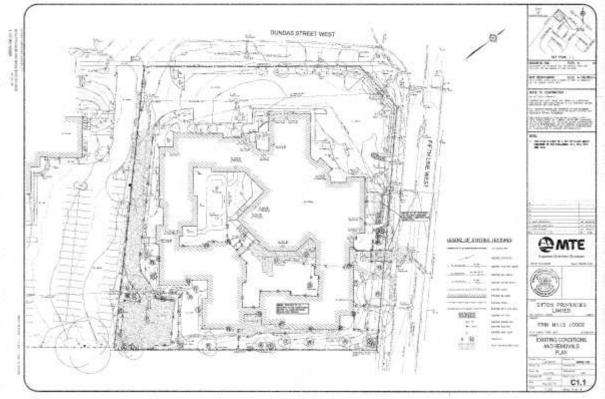
I, the Applicant and the Owner, hereby declare that the statements made by me upon this application are, to the best of my belief and knowledge, a true and complete representation of the purpose and intent of this application.

| Applicant Signature  | -                  | Print name         | Print name Print name Print name |                       |  |  |
|----------------------|--------------------|--------------------|----------------------------------|-----------------------|--|--|
| Owner Signature      | -                  |                    |                                  |                       |  |  |
| Arborist Name/Profes | sional #           |                    |                                  |                       |  |  |
| OFFICE USE ONLY      |                    |                    |                                  |                       |  |  |
| Pormit No.           |                    |                    | Roceived by                      | Date<br>(YYYY)/MM/DD) |  |  |
| For \$               | Official Receipt # | Official Receipt # |                                  | Dete                  |  |  |

Form 22/05 (No. 2015 00)

### **EXISTING SITE CONDITIONS**

The site consists of an existing retirement residence with two interior courtyards and parking along Dundas Street West as well as some in the southwest corner of the site.



**Existing Conditions Plan 1** 

The site slopes from 139.75m at the northwest corner down to approximately 137.5m along the southeast side of the site, a drop of over two (2) metres.

For ease of understanding the site has been broken down into areas. Tree numbers referred to in this report can be found on the Tree Inventory List on the Phase One Tree Inventory Plan, L1.1 and on the Tree Inventory List found later in this report.

### 1. EXISTING BUILDING ENTRANCE



The existing building entrance is predominantly asphalt to accommodate drop off at the main entrance and some parking. There one existing Gleditsia triacanthos (tree no. 13).

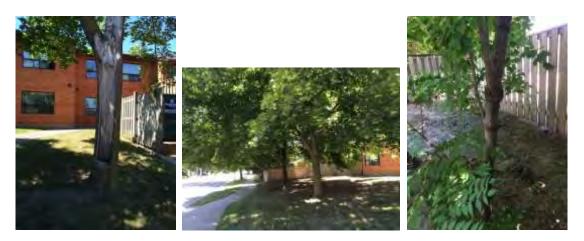
2. FIFTH LINE WEST



To accommodate the grade change on the site at the corner of Dundas Street West and Fifth Line West there is a tiered retaining wall on the residence property with two Gleditsia triacanthos (Tree no.'s 9 & 10) on City property. This retaining wall continues around the corner along Fifth Line West where there are two more Gleditsia triacanthos (Tree no's 11 & 12) on City property.



There are some poor existing Thuja occidentalis to help screen the service entrance. Within a raised planter area are poor to fair Acer platanoides (tree no's 17, 18 & 20) as well as a fair Robinia pseudoacacia. In this location on the City property are two (2) Robinia pseudoacacia (tree no's 14 & 15) and a fair Gleditsia triacanthos (tree no. 16).



On the far side of the existing garbage area is a poor Acer platanoides (tree no. 21) which has a portion of the east side of the trunk removed. Further south are two (2) good Acer platanoides (tree no's 22 & 23). In the far southeast corner of the site are small, poor Acer platanoides and Robinia pseudoacacia (tree no's 24, 25 & 26).

#### 3. SOUTHEAST PROPERTY LINE



There is currently decking, patios and walkways along the face of the existing building on the southeast property with a slope down from these to a swale and the existing board fence. On the other side of the fence in the southeast corner of the site are several high branched Robinia pseudoacacia (Tree no's S,T,U & V) and two (2) Acer platanoides ( tree no's X & Z) on the neighbouring yards as well as two (2) City trees (tree no's Y & 28). Adjacent to these in the neighbour's yard is a row of mature Picea glauca and Picea abies (tree no's L to R).



Within the site along this property line is a row of Fraxinus (tree no's 33, 34, 36, 37 & 39) that are either dead or will be shortly as they are infested with the Emerald Ash Borer.



Also along this property line is a Prunus (tree no. 35) in poor shape as it has growths on the trunk. In the neighbouring properties in this area are mature Acer saccharinum (tree no.H), Prunus serotine (tree no.I), Acer saccharinum (tree no. J) and Acer platanoides (tree no. K). Within the far southwest corner of the site is a fair Tilia americana (tree no. 38), a dying Fraxinus (tree no. 39) and a fair Acer negundo (tree no. 40).

### 4. SOUTHWEST PROPERTY LINE



Around the existing staff parking area are several mature conifers consisting of Pinus nigra (tree no's 31 & 41) in fair condition and Picea pungens (tree no's 42, 43 & 44) in fair to good condition.



The tree planting immediately along the southwest property line is on the church property as the existing driveway within the site goes right up to the property line. The land drops down from the existing driveway to the building through the use of slopes and retaining walls

#### 5. DUNDAS STREET WEST

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Along the southwest end of the Dundas Street West frontage is the entrance identification sign with mixed shrub and perennial planting.





In front of the building at the west end of the building are a five Amelanchier (tree no's 45-49) which are in fair to good condition as well as some mixed shrub and perennials beds.



Adjacent to the parking at the east end of the parking lot is a row of Aesculus hippocastanum (tree no's 4 to 8) which are in fair condition as they suffer from leaf blotch and the leaves have gone brown and are falling off by mid to late summer.

#### 6. INTERIOR COURTYARDS



The interior courtyards have a combination of predominantly perennials and mixed shrubs with some trees.

The following is the Tree Inventory List which details the composition, health and character of the existing trees.

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#### TREE INVENTORY LIST

| NO.      | BOTANICAL NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | COMMON NAME                  | DBH (CM)     | CANOPY (M)   | CONDITION                         | CONSTRUCTION<br>STATUS    | DHASE | OUTCOME               |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------|--------------|-----------------------------------|---------------------------|-------|-----------------------|
| NO.      | Acer platanoides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | COLUMNAR                     | DBH (CIVI)   | CANOPT (IVI) | CONDITION                         | STATUS                    | PRASE | OUTCOIVE              |
| 1        | 'Columnar'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NORWAY MAPLE                 | 20           | 4.5          | FAIR                              | CURB REMOVAL              | тwo   | REMOVE                |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |              |                                   | NEW RETAINING             |       |                       |
| 3        | Prunus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CHERRY                       | 2 X 10, 12   | 6            | FAIR - 20% DEAD WEST SIDE         | WALL<br>NEW RETAINING     | TWO   | REMOVE                |
| 4        | Aesculus hippocastanum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HORSE CHESTNUT               | 28           | 6            | FAIR - BROWN LEAF CURL            | WALL                      | тwo   | REMOVE                |
| -        | Aesculus hippocastanum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HORSE CHESTNOT               | 20           |              | TAIN - DROWIN LEAF CORE           | NEW RETAINING             | 1000  | REIVIOVE              |
| 5        | Aesculus hippocastanum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HORSE CHESTNUT               | 28           | 6            | POOR - BROWN LEAF CURL            | WALL                      | тwo   | REMOVE                |
| _        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |              |                                   | NEW RETAINING             |       |                       |
| 6        | Aesculus hippocastanum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HORSE CHESTNUT               | 28           | 6            | FAIR - BROWN LEAF CURL            | WALL                      | TWO   | REMOVE                |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |              |                                   | NEW RETAINING             |       |                       |
| 7        | Aesculus hippocastanum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HORSE CHESTNUT               | 30           | 6            | FAIR - BROWN LEAF CURL            | WALL                      | TWO   | REMOVE                |
|          | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              | 20           |              |                                   | NEW RETAINING             | 7.00  | DEMONIE               |
| 8        | Aesculus hippocastanum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HORSE CHESTNUT               | 30           | 6            | FAIR - BROWN LEAF CURL            | WALL                      | TWO   | REMOVE                |
| 9        | Gleditsia triancanthos<br>inermis 'Shademaster'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SHADEMASTER<br>HONEYLOCUST   | 39           | 10           | GOOD                              | RETAINING WALL<br>REMOVAL | тwo   | REMOVE -<br>CITY TREE |
| 9        | Gleditsia triancanthos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SHADEMASTER                  | 29           | 10           | GOOD - 5% DEAD IN                 | RETAINING WALL            | TWO   | REMOVE -              |
| 10       | inermis 'Shademaster'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HONEYLOCUST                  | 28           | 9            | CANOPY                            | REMOVAL                   | тwo   | CITY TREE             |
| 10       | Gleditsia triancanthos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SHADEMASTER                  | 20           | 9            | CANOPT                            | RETAINING WALL            | 1000  | REMOVE -              |
| 11       | inermis 'Shademaster'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HONEYLOCUST                  | 24           | 7.5          | GOOD                              | REMOVAL                   | тwo   | CITY TREE             |
| 11       | Gleditsia triancanthos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SHADEMASTER                  | 24           | 1.5          | 0000                              | RETAINING WALL            | 1000  | REMOVE -              |
| 12       | inermis 'Shademaster'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HONEYLOCUST                  | 30           | 9            | GOOD                              | REMOVAL                   | тwo   | CITY TREE             |
| 12       | Gleditsia triancanthos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SHADEMASTER                  | 50           |              | 0000                              | nemo me                   |       | CITT THEE             |
| 13       | inermis 'Shademaster'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HONEYLOCUST                  | 14           | 4            | GOOD                              | NEW BUILDING              | тwo   | REMOVAL               |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |              |                                   | RETAINING WALL            |       | REMOVE -              |
| 14       | Robinia pseudoaccacia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BLACK LOCUST                 | 12           | 7            | FAIR - LEANING SOUTH              | REMOVAL                   | тwo   | CITY TREE             |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |              |                                   | RETAINING WALL            |       | REMOVE -              |
| 15       | Robinia pseudoaccacia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BLACK LOCUST                 | 15           | 3            | FAIR - SHADED BY MAPLE            | REMOVAL                   | тwo   | CITY TREE             |
|          | Gleditsia triancanthos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SHADEMASTER                  |              |              | FAIR - SOME DEAD NORTH            | RETAINING WALL            |       | REMOVE -              |
| 16       | inermis 'Shademaster'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HONEYLOCUST                  | 30           | 6            | SIDE                              | REMOVAL                   | TWO   | CITY TREE             |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |              | FAIR - FLAT SOUTH SIDE,           | RETAINING WALL            |       |                       |
| 17       | Acer plantanoides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NORWAY MAPLE                 | 2 X 12, 13   | 4            | SELF-SEEDED                       | REMOVAL                   | TWO   | REMOVE                |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |              | FAIR - FLAT EAST SIDE, 15%        | RETAINING WALL            |       |                       |
| 18       | Acer plantanoides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NORWAY MAPLE                 | 11           | 3            | DEAD                              | REMOVAL                   | TWO   | REMOVE                |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |              |                                   | RETAINING WALL            |       |                       |
| 19       | Robinia pseudoaccacia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BLACK LOCUST                 | 5            | 3.5          | FAIR - LEANING WEST               | REMOVAL                   | TWO   | REMOVE                |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              | _            |                                   | RETAINING WALL            |       |                       |
| 20       | Acer plantanoides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NORWAY MAPLE                 | 2 X 8, 9     | 5            | POOR                              | REMOVAL                   | TWO   | REMOVE                |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |              |                                   | DEMOLISH WALK &           |       |                       |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |              | POOR - EAST SIDE TRUNK            | DRIVEWAY, NEW             |       |                       |
| 21       | Acer plantanoides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NORWAY MAPLE                 | 35           | 9            | REMOVED, SURFACE ROOTS            | SIGN                      | ONE   | REMOVE                |
| 22<br>23 | Acer plantanoides<br>Acer plantanoides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NORWAY MAPLE<br>NORWAY MAPLE | 35<br>45     | 12           | GOOD                              | NEW DRIVEWAY              | ONE   | REMOVE                |
| 23       | Robinia pseudoaccacia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BLACK LOCUST                 | 45           | 12<br>5      | GOOD<br>POOR                      |                           | ONE   | RETAIN                |
| 24       | Acer plantanoides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NORWAY MAPLE                 | 2 X 7, 8     | 4            | POOR                              |                           | ONE   | REMOVE                |
| 25       | Robinia pseudoaccacia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BLACK LOCUST                 | 9            | 2            | POOR - MAINLY DEAD                | MAINLY DEAD               | ONE   | REMOVE                |
| 26       | Thuja occidentalis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | WHITE CEDAR                  | 9            | 2            | POOR - MAINLY DEAD                | WAINET DEAD               | ONE   | REMOVE                |
| 21       | Gleditsia triancanthos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SHADEMASTER                  | 1            | 2            | room                              |                           | UNL   | RENIOVE               |
| 28       | inermis 'Shademaster'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HONEYLOCUST                  | 43           | 12           | GOOD - STREET TREE                | STREET TREE               |       | RETAIN                |
| 20       | and a standard a |                              |              |              | FAIR - FLAT WEST SIDE,            |                           |       |                       |
| 31       | Pinus nigra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AUSTRIAN PINE                | 35           | 5            | DEAD LOWER                        | NEW BUILDING              | ONE   | REMOVE                |
| 32       | Robinia pseudoaccacia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BLACK LOCUST                 | 8            | 7            | FAIR                              | NEW PARKING               | ONE   | REMOVE                |
| 33       | Fraxinus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ASH                          | 32           | 8            | POOR                              | 95% DEAD                  | ONE   | REMOVE                |
| 34       | Fraxinus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ASH                          | 28           | 8            | DEAD                              |                           | ONE   | REMOVE                |
| 35       | Prunus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CHERRY?                      | 16           | 4            | POOR                              | GALL ON TRUNK             | ONE   | REMOVE                |
| 36       | Fraxinus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ASH                          | 24           | 10           | POOR                              | 85% DEAD                  | ONE   | REMOVE                |
| 37       | Fraxinus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ASH                          | 32           | 9            | FAIR                              | 15% DEAD                  | ONE   | REMOVE                |
| 38       | Tilia americana                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BASSWOOD                     | 13           | 5            | FAIR                              | DEMOLISH PARKING          | ONE   | REMOVE                |
| 39       | Fraxinus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ASH                          | 32           | 7            | POOR - 70% DEAD                   | DEMOLISH PARKING          | ONE   | REMOVE                |
| 40       | Acer negundo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MANITOBA MAPLE               | 3 X 8, 9, 14 | 8            | FAIR                              | DEMOLISH PARKING          | ONE   | REMOVE                |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |              | FAIR - FLAT WEST SIDE,            |                           |       |                       |
|          | Discus alarma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | AUSTRIAN PINE                | 35           | 5            | DEAD LOWER                        | NEW BUILDING              | ONE   | REMOVE                |
| 41       | Pinus nigra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ACOT MARTINE                 |              |              |                                   |                           |       |                       |
| 41       | Pinus nigra<br>Picea pungens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | COLORADO SPRUCE              | 26           | 4            | FAIR - LOTS OF SAP LEAKING<br>OUT | NEW BUILDING              | ONE   | REMOVE                |

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|          |                        | BLUE COLORADO  |                 |     |                      |                  |      |          |
|----------|------------------------|----------------|-----------------|-----|----------------------|------------------|------|----------|
| 43       | Picea pungens 'Glauca' | SPRUCE         | 20              | 3   | GOOD                 | NEW BUILDING     | ONE  | REMOVE   |
| 45       | Ficea puligens Glauca  | BLUE COLORADO  | 20              | 3   | 3000                 | NEW BUILDING &   | UNE  | REIVIOVE |
| 44       | Picea pungens 'Glauca' | SPRUCE         | 30              | 5   | GOOD                 | WALKWAY          | ONE  | REMOVE   |
| 44       | Amelanchier            | SERVICEBERRY   | 16              | 4   | FAIR - LEANING SOUTH | NEW BUILDING     | TWO  | REMOVE   |
| 46       | Amelanchier            | SERVICEBERRY   | 13              | 3   | FAIR - LEANING EAST  | NEW BUILDING     | TWO  | REMOVE   |
| 47       | Amelanchier            | SERVICEBERRY   | 19              | 4   | GOOD                 | NEW BUILDING     | TWO  | REMOVE   |
| 47       | Amelanchier            | SERVICEBERRY   | 19              | 3   | FAIR - LEANING WEST  | NEW BUILDING     | TWO  | REMOVE   |
| 40       | Ameldiichiei           | SERVICEDERRI   | 10              | 5   | FAIR - PRUNE SUCKERS | NEW BOILDING     | 1000 | REIVIOVE |
| 49       | Amelanchier            | SERVICEBERRY   | 20              | 4.5 | FROM TRUNK           | NEW BUILDING     | тwo  | REMOVE   |
|          | Acer plantanoides      | COLUMNAR       | 20              | 4.5 | TROWTROWK            | NEW DOILDING     | 1000 | REINOVE  |
| Α        | 'Columnar'             | NORWAY MAPLE   | 15              | 3   | GOOD - NEIGHBOURS    | NEIGHBOUR'S TREE |      | RETAIN   |
| ~        | Columnal               | NORWATIMAPLE   | 15              | 5   | GOOD - NEIGHBOOKS    | NEIGHDOOK 3 TREE |      | RETAIN - |
| в        | Morus alba             | MULBERRY       | 6 X 20, 30      | 12  | GOOD - NEIGHBOURS    | CURB REMOVAL     | ONE  | IMPACTS  |
| C        | Fraxinus               | ASH            | 30              | 8   | DEAD - NEIGHBOURS    | CORDINEIVIOVAL   | ONL  | RETAIN   |
| -        | Acer platanoides       | CRIMSON KING   | 50              | 0   | DEAD - NEIGHBOOKS    |                  |      | NET AIN  |
| D        | 'Crimson King'         | MAPLE          | 2               | 1   | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| -        | Chimson King           | IVIAFLE        | 2               | 1   | GOOD - NEIGHBOOKS    |                  |      | RETAIN - |
| Е        | Morus alba             | MULBERRY       | 4 X 9           | 6   | GOOD - NEIGHBOURS    | CURB REMOVAL     | ONE  | IMPACTS  |
| F        | Acer saccharum         | SUGAR MAPLE    | 2               | 1   | GOOD - NEIGHBOURS    | CORDINEIVIOVAL   | UNL  | RETAIN   |
| -        | Gleditsia triancanthos | SHADEMASTER    | 2               | -   | GOOD - NEIGHDOOKS    |                  |      | RETAIN   |
| G        | inermis 'Shademaster'  | HONEYLOCUST    | 2               | 1   | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| н        | Acer saccharinum       | SILVER MAPLE   | 100             | 15  | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| <u> </u> | Prunus serotina        | BLACK CHERRY   | 20              | 8   | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| <u> </u> | Acer saccharinum       | SILVER MAPLE   | 2 X 40, 45      | 15  | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| ĸ        | Acer platanoides       | NORWAY MAPLE   | 40              | 16  | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| L        | Picea glauca           | WHITE SPRUCE   | 20              | 4   | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| M        | Picea glauca           | WHITE SPRUCE   | 20              | 4   | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| N        | Picea glauca           | WHITE SPRUCE   | 20              | 4   | DEAD - NEIGHBOURS    |                  |      | RETAIN   |
| 0        | Picea abies            | NORWAY SPRUCE  | 30              | 4   | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| P        | Picea glauca           | WHITE SPRUCE   | 20              | 4   | DEAD - NEIGHBOURS    |                  |      | RETAIN   |
| Q        | Picea glauca           | WHITE SPRUCE   | 22              | 4   | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| R        | Picea abies            | NORWAY SPRUCE  | 20              | 4   | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| s        | Robinia pseudoaccacia  | BLACK LOCUST   | 28              | 10  | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| T        | Robinia pseudoaccacia  | BLACK LOCUST   | 30              | 8   | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| U U      | Robinia pseudoaccacia  | BLACK LOCUST   | 25              | 5   | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| <b>–</b> | noonia pocadoaccacia   | Sanok E00001   |                 |     | SOOD NEIGHDOONS      |                  |      | 051010   |
| v        | Robinia pseudoaccacia  | BLACK LOCUST   | 2 X 30          | 14  | GOOD - NEIGHBOURS    |                  |      | RETAIN   |
| x        | Acer plantanoides      | NORWAY MAPLE   | 14              | 8   | FAIR - NEIGHBOURS    |                  |      | RETAIN   |
| Ŷ        | Acer saccharinum       | SILVER MAPLE   | 3 X 18, 20, 25  | 9   | GOOD - CITY          |                  |      | RETAIN   |
| -        | steer beeenamidtit     | STEPEN PROFILE | 0 11 20, 20, 25 |     | 0000 000             |                  |      | 112111   |
| z        | Acer plantanoides      | NORWAY MAPLE   | 10              | 6   | FAIR - NEIGHBOURS    |                  |      | RETAIN   |

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#### RECOMMENDATIONS

This site is a challenge for redevelopment since there is a grade change of over two meters across the site and construction needs to be phased so existing residents can be accommodated while construction is taking place.

Construction will be completed in two main phases. Phase One will include the demolition of the southeast wing of the existing building and the construction of the new building on the southeast part of the site. The existing north courtyard will remain during this phase. Phase Two will be the demolition of the northwest part of the existing building and the construction of the building along Dundas Street West. This will be followed by the construction of the link between the two buildings which houses the common facilities such as the dining hall.

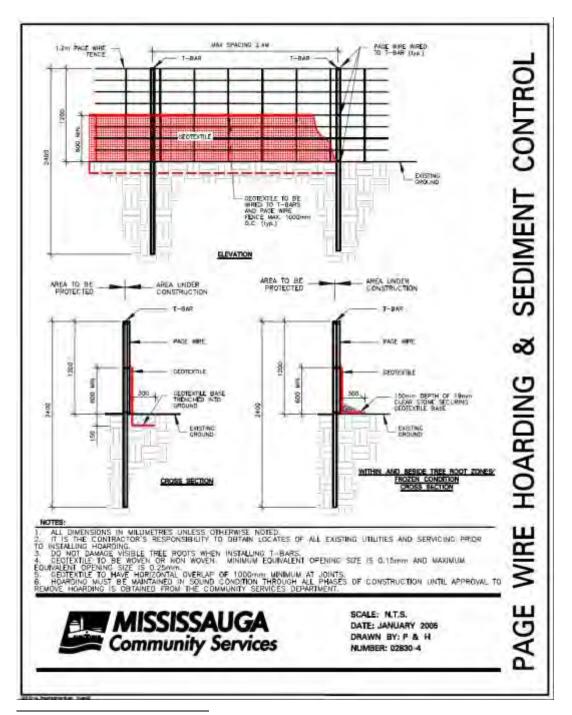
Because the project will the phased, tree removal will be phased as well. Only those trees necessary to complete Phase One construction will be removed during the first phase of construction. Since there are fourteen (14) trees over 15cm in diameter to be removed during the first phase an <u>Application to Permit the Injury or Destruction of Trees on Private Property</u> must be submitted. Included in the count above are five (5) dead or dying Fraxinus infected with the Emerald Ash Borer. The City of Mississauga website stipulates that for healthy trees over 50cm in diameter in size, 2 replacement trees 6cm in diameter for deciduous or 1.8m high for coniferous be provided, for healthy trees under 50cm in size, 1 replacement tree 6cm in diameter for deciduous or 1.8m high coniferous be provided. No replacement trees need be provided for dead or dying trees. Based on this information, a total of nine (9) replacement trees will be required during Phase One as all healthy trees to be removed are under 50cm in size.

In order to protect the neighbouring trees to the southeast and the Acer platanoides (tree no. 23) to be preserved along Fifth Line West during Phase One construction Page Wire Hoarding & Sediment Control Fence will extend into the lot to prevent impacts within this area *"The written consent of the adjacent property Owner if the base of the Tree(s) to be Injured or Destroyed is partially located on the adjacent property Owner's property"*<sup>3</sup> will be required prior to construction.

Since there are ten (10) trees over 15cm in diameter to be removed during the second Phase an <u>Application to Permit the Injury or Destruction of Trees on Private Property</u> must be submitted. There are also seven (7) City trees that must be removed for Phase two (2). The City of Mississauga website stipulates that for healthy trees over 50cm in diameter in size, 2 replacement trees 6cm in diameter for deciduous or 1.8m high for coniferous be provided, for healthy trees under 50cm in size, 1 replacement trees 6cm in diameter for deciduous or 1.8m high coniferous be provided. No replacement trees need be provided for dead or dying trees. Based on this information, a total of ten (10) replacement trees will be required during Phase Two as all healthy trees to be removed are under 50cm in size. The City will need to determine City replacement trees.

<sup>&</sup>lt;sup>3</sup> The Corporation of the City of Mississauga. <u>Tree Permit By-Law Number 474-05</u>, page 5.

In order to protect the new trees on the southwest property line and the neighbouring trees on the church property during Phase Two construction Wire Hoarding & Sediment Control Fence will extend into the lot to prevent impacts within this area *"The written consent of the adjacent property Owner if the base of the Tree(s) to be Injured or Destroyed is partially located on the adjacent property Owner's property"*<sup>4</sup> will be required prior to construction.



<sup>&</sup>lt;sup>4</sup> The Corporation of the City of Mississauga. <u>Tree Permit By-Law Number 474-05</u>, page 5.

#### TREE PRESERVATION METHODOLOGIES

Once a Tree Removal Permit is obtained from the City of Mississauga and before and clearing, removals or construction take place, the following steps must be taken:

- The trees for removal must be marked on site. All trees to be removed for Phase One construction as noted on the Phase One Tree Inventory Plan must be marked on site with yellow or orange paint at breast height by the Landscape Architect or qualified person prior to removal in accordance with the conditions as outlined on the permit.
- 2. Page wire hoarding and sediment control fencing must be installed in accordance with the Phase One Tree Inventory Plan. Care should be taken when installing the stakes to avoid roots of any existing trees.
- 3. Once the hoarding has been installed it is to be inspected and approved by the Landscape Architect or qualified person, with written consent provided to the owner.
- 4. Tree removals may commence under the supervision of the applicant's qualified professional.
- 5. Take care when removing trees not to jeopardize those trees left within the Preservation Areas. Any trees assessed and slated for removal which may potentially jeopardize other trees, should be first topped carefully, being cut down to a point where the remaining trunk can be felled without any hazard. All trees should be felled away from the Tree Preservation Areas.
- 6. Any existing trees which are damaged during construction are to be pruned to acceptable condition or replaced with a tree of the same species as approved by the City of Mississauga.
- 7. Hoarding must be maintained in sound condition through all Phases of construction until approval to removed harding is obtained from the Community services Department of the City of Mississauga.

Care should be taken during construction. Most of the tree preservation during Phase One is for trees on neighbouring properties. These trees will provide screening from the proposed development so good construction methods should always be employed.

#### SUMMARY

The Erinview Retirement Living redevelopment is being proposed in two main phases so that the existing function of the building can continue throughout construction. Because there are trees to be removed from the site for both Phase One and Phase Two construction an <u>Application to Permit the Injury or Destruction of Trees on Private Property</u> will need to be completed and submitted to the City in order to obtain a <u>Tree Removal Permit</u> for each phase. Once a Tree Removal Permit has been obtained then trees for removal will need to be marked and tree protection measures will need to be put in place. Since there are trees on neighbouring properties that could be impacted by construction the owner needs to obtain written consent from the affected neighbours prior to any removals, clearing or construction. Once the consent has been obtained and tree protection measures are in place and approved, the removal of trees as outlined on the Phase One Tree Inventory& Preservation Plan and the Phase Two Tree Inventory& Preservation Plan and the Phase Two Tree Inventory& Preservation Plan can begin. The tree protection measures need to be kept in place and in good condition throughout construction. These measures are not to be removed until permission has been obtained from the Community Services Department.

By following the Tree Preservation Methodologies listed above, the Phase One Tree Inventory & Preservation Plan, the Phase Two Tree Inventory & Preservation Plan and by maintaining the Page Wire Hoarding & Sediment Control Fencing throughout the entire construction period, there should be little chance for tree damage outside the area designated for construction.

