

## APPENDIX G

# **ARBORIST GENERAL REPORT**

## **Rean Drive to Kenaston Gardens, Road Reconstruction and Extension, Toronto, Ontario**

Prepared by:

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The vegetation review was completed along with identifying the potential impacts for alternative solutions. The larger Focus Area considered more for the traffic impacts of this study is an urban environment made up mainly of single unit residential homes that have recently been undergoing significant redevelopment mainly into condominium buildings. As such the area is relatively devoid of natural features other than man made features that are part of the developments such as newer street tree plantings. Trees planted with the previous single family homes have been removed as part of the area redevelopment.

The smaller Study Area as defined as the potential new road right-of-way for this study is presently made up in part by the existing smaller area of road right-of-way and other properties expected to be acquired to complete the new road right-of-way. Trees adjacent to and within the portion of land being turned over to the City of Toronto for the new road right-of-way as part of the Liberty Development (591, 593 and 595 Sheppard Avenue) was the main area of trees in the Study Area, but these have since been removed during the study as the development went to construction.

With planned purchase of the two properties required for the new road right-of-way and the grading required there will be no trees that can be maintained.

Morrison Hershfield visited the potential New Road corridor between Rean Drive and Kenaston Gardens a number of times in June, July and then on August 5, 2016 to observe site conditions and vegetation. This report will explain the vegetation on site from east to west and will identify in general what impacts may occur due to the potential reconstruction of the present road in place from Rean Drive to Barberry Place and a potential new road from Barberry Place to Kenaston Gardens.

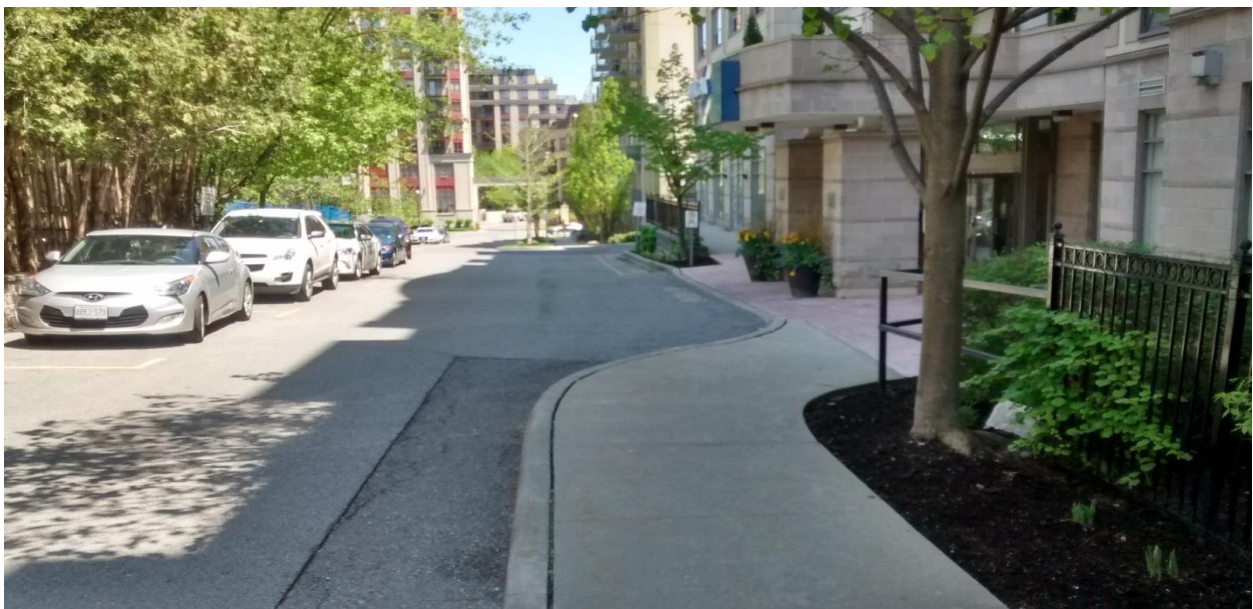
The existing roadway right-of-way vegetation east of Rean Drive is mainly younger boulevard tree plantings placed with the 10 and 12 Rean Drive developments. In total there are 10 *Ginkgo biloba* (Maidenhair) trees in this area. There are four trees in the north boulevard east of the 10 Rean Drive driveway with a height of 2.5-3.5+/- metres. There are two pairs of similar trees east of the 12 Rean Drive lay-by and another taller pair of similar trees (7.5 m+/-) west of the lay-by, the first photo below is looking east along the south boulevard from the mostly westerly tree. The photo also illustrates other landscaping in place along the private property side of the south boulevard which is in place from Rean Drive to Barberry Place.



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The following photo is from just east of Barberry Place and illustrates on the right side the boulevard plantings at 15 Barberry Place (Amica at Bayview). The left side of the photo illustrates the *Thuja* (Cedar) hedgerow made up of approximately 70 trees along the edge of the existing right-of-way along the full side lot of 13 Barberry Place. If a portion of the property at 13 Barberry Place is required for a new road all of these cedars would be removed.







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A second photo looking east of the east end of the narrow strip of planting area for the hedgerow of approximately 70 cedar trees from the east end of the 13 Barberry Place property fence line.



The natural environment made up mainly of vegetation and tree complement changed with beginning of construction of the following two developments.

The development of the 591-595 Sheppard Avenue site is on the north side of the potential road and is between 10 Read Drive and 13 Barberry Place. In July, 2016 with the start of construction of the development numerous trees were removed on the portion of that property that is expected to be part of the future new road right-of-way just west of Rean Drive. The remaining vegetation is a few mature natural individual trees to the north of the hoarding at 591-595 Sheppard Avenue development.

Below is a *Tilia* (Linden) looking west toward the fence along the east side of the 13 Barberry Place property, this tree would likely also be removed for a new road.





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Just to the east of the previous photo, the following photo shows 3 mature *Fraxinus* (Ash) trees to the north of the hoarding at 591-593 Sheppard Avenue development. It is unclear if these trees plus other possible saplings, not seen behind the hoarding, are being protected during construction or are still expected to be removed during construction.





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At 13 Barberry Place there are two trees that are on the northwest side of the property that could potentially be saved as part of the excess property not required for the new roadway right-of-way. An *Acer* (Maple) tree that is in good condition that somewhat infringes on the growth of a *Betula* (Birch) tree between it and the Kenaston Gardens east side sidewalk.





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The below *Acer ginnala* (amur maple) tree is located in the boulevard in front of the sidewalk at 13 Barberry Place that should not be impacted by removal or grading for the 13 Barberry Place or for construction of the new street though this is to be confirmed by grading at the tree roots during detailed design and should likely be saved and should be protected and saved during the construction of the new curb for the new road that will be close to the roots possibly have some impact on it.





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West of Barberry Place there remains smaller shrubs and bushes along the edge of the potential new road right-of-way but on the private property of the two condominium developments to the south which may be able to be preserved for the most part in boulevard grading if the new road is implemented. Some vegetation including one tree at the back of 23 Barberry Place that could not be accessed could potentially be reviewed for working into the new road right-of-way though often regrading for the roadway grades will not permit this.

The following photo is of the landscaping at the north side of 19 Barberry Place adjacent to the 23 Barberry Place south fence line. It is noted that the elevation of this area is nearly 1 metre below the elevation of 23 Barberry Place where the road alignment is located, so some regrading for a potential new road may be required. It should be noted that there is an irrigation/sprinkler system along the fence line and in the right foreground of the photo a drain at the low point that also could be impacted but regrading.



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At the west limit of the project at Kenaston Gardens, the Chestnut Hill development (5-15 Kenaston Gardens, 573-577 Sheppard Avenue) were amalgamated into one development and the homes removed for a new development construction. All vegetation was removed from the area including on 15 Kenaston gardens which would form part of the new road right-of-way. What remains adjacent to that development is 4m high *Malus* (crabapple) tree and small shrubs in the two photos following, located in the south boulevard just behind the sidewalk at the boulevard at 17 Kenaston Gardens.





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