

PART 1 GENERAL**1.1 Summary**

- .1 Unless otherwise indicated, follow the standards below when specifying tree and shrub preservation. These standards are not intended to restrict or replace professional judgment.

1.2 References

- .1 Bureau de normalisation du Québec
 - .1 BNQ 0605-100 – *Aménagement paysager à l'aide de végétaux.*
 - .2 BNQ 0605-200 – *Entretien arboricole et horticole.*
 - .3 BNQ 0605-300 – *Produits de pépinières et de gazon.*
 - .4 BNQ 0605-300 – *Produits de pépinières et de gazon.*
 - .5 BNQ 0605-400 – *Produits de serres.*
- .2 Government of Quebec
 - .1 *Arrondissement historique et naturel de Mont-Royal.*
- .3 City of Montreal
 - .1 *Plan de protection et de mise en valeur du Mont-Royal.*

1.3 Design Requirements

- .1 A tree survey will be done as part of the pre-design work for the campus development projects. The survey will show the location of the existing tree on Campus. A tree arboriculture consultant will be hired to prepare a document. In this document the consultant will categorize the trees:
 - .1 All Memorial trees and their associated documentation;
 - .2 Trees of important ornamental value that should be maintained and cared for;
 - .3 Trees that can be relocated (transplanted for the needs of a new project);
 - .4 Dying or diseased trees to be removed for safety issues;
 - .5 The removal of aggressive weed trees (Manitoba Maple, Acer Negundo) and replaced with a recommended species.
- .2 All new projects involving the removal of a tree must be accompanied with a permit from the City of Montreal which may also require the approval of the Ministry of Culture of Quebec. McGill Campus is almost entirely within the limits of the '*Arrondissement historique et naturel de Mont-Royal*', a protected area under the jurisdictional authority of the Ministry of Culture of Quebec, and we must inform the Gardens and Grounds Committee and McGill's horticulturist (as specified in Item 1.4) prior to taking any action involving a tree.
- .3 Drawing specifications should call for proper protection of existing trees when contained within or adjacent to a construction site.

PART 2 PRODUCTS**2.1 Preferred Products**

- .1 All products related to tree and shrub preservation shall meet or exceed the following standard:
 - .1 *BNQ 0605-100 – Aménagement paysager à l'aide de végétaux, Partie IX : Conservation des arbres et des arbustes lors de travaux d'aménagement et de construction.*

PART 3 EXECUTION**3.1 General**

- .1 All works related to tree and shrub preservation shall meet or exceed the following standard:
 - .1 *BNQ 0605-100 – Aménagement paysager à l'aide de végétaux, Partie IX : Conservation des arbres et des arbustes lors de travaux d'aménagement et de construction.*
 - .2 All projects involving pruning, cutting, removal, etc. of trees should involve the campus horticulturist and/or McGill's Gardens and Grounds Committee, and if needed a tree consultant.
 - .1 Refer to Section **32 93 43.01** Tree Pruning.

3.2 Specific Procedure for Removal and Transplanting

- .1 Removal and Replacement
 - .1 Refer to sections **31 11 00** Clearing and Grubbing, and **32 93 10** Trees, Shrubs and Ground Cover Plantings.
 - .2 A Tree arboriculture contractor with certification will be hired for the removal of the tree. McGill safety recommendations must be followed at all times.
 - .3 Replacement trees should be the same size if possible, if this is not practical, for any cut tree bigger than 200mm, the largest of the tree of the same species available in a nursery specialized in big calliper tree, should be purchased.
 - .4 If this is again not possible, several trees of smaller calliper should replace a bigger one.
 - .5 The replacement tree location will either be on the project site or on any given campus location previously determined by the Gardens and Grounds Committee and the horticulturist.
- .2 Transplanting
 - .1 Refer to section **32 93 15** Hydraulic Transplanting.

3.3 Removal of debris

- .1 All vegetation debris shall be removed from the project site on the same day.

END OF SECTION