Licensed Locations
Number of Parking Spaces

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Front Yard Parking Appeal
61 Forest Hill Road

APPENDIX "B"
December 23, 2011

Mr. Jeff Walderman
61 Forest Hill Road
Toronto, ON
M4V 2L6

Dear Mr. Walderman:

Re: Arborist Report/Tree Preservation Plan on the Effects of Parking Pad Construction upon one Privately-owned Red Oak Tree at the Front of 61 Forest Hill Road, Toronto

This report has been prepared to address potential impacts from construction of an entrance driveway and two-car parking pad upon a nearby 68cm dbh (tree diameter, measured at breast height at 1.4m above grade) red oak (Quercus rubra) tree fronting 61 Forest Hill Road in Ward 22 St. Paul's in the City of Toronto. The subject red oak, located on the north side of the flagstone walkway that leads to the front of the residence, is protected under provisions of the City of Toronto’s Private Tree Protection By-Law, Chapter 813, Trees, Article III, of the City of Toronto’s Municipal Code. The measures outlined in this report are intended to mitigate potential tree injury while providing adequate space to facilitate installation of the proposed hardscape works.

Mr. Jeff Walderman has provided our firm with a site plan drawing to illustrate the extent of the proposed development. The undated site plan drawing, prepared in conjunction with Mallot Creek Group, Inc., shows the footprint locations of the existing residence and rear garage, the proposed entrance driveway and two-car parking pad as well as other site features, including stone landscape walls, the front entranceway and the lot boundaries. The site plan drawing, hereinafter referred to as Figure 1 – Tree Preservation Plan, is being used as graphical representation for the development and is to be reviewed in conjunction with this report.

The native red oak appears to be botanically in fair condition and structurally in poor condition exhibiting a number of large cavities on its main stem - including below the main union - and a large, open split on its north leader as the prominent deficiencies observed. Minor defects include a moderate amount of watersprout growth and poor-callsus growth development on some pruning cuts. The tree appears to be botanically viable based on its bud development, though its structural integrity is questionable given the extent and size of cavities present and, as such, the oak should be considered a candidate for removal irrespective of the proposed development. However, the Walderman family have expressed their appreciation for the trees environmental and aesthetic attributes and wish to preserve the oak in conjunction with the construction of an entrance driveway and two-car parking pad proposed within its 4.2m Tree Protection Zone (TPZ).

Adverse construction effects upon this tree are anticipated to be significant in nature given the oaks close proximity to the east edge of the proposed parking pad. Potential injury is to be limited to the oaks westernmost transport and feeder root network during shallow soil excavation work necessary to facilitate installation of the proposed interlocking pavers within its TPZ. Mitigating measures to be implemented include: conduct a general crown pruning by a professional tree care company to remove deadwood and to prune back only those branches necessary to reduce crown weight; install support cables in the crown to provide structural stability to its leaders; probe open cavities to determine the extent of holding wood during an aerial inspection of the crown; install 1.2m (4') high wood-clad sheets at locations 1.0m west of the tree base, extending north to the base the ceding grouping in the north to the north edge of the flagstone walkway to the south, in advance of any site construction activity, as shown on Figure 1; undertake hydro-vacuum operations by a professional company at operational pressures not exceeding 20 psi.
along the determined line of excavation required to construct the eastern edge of the parking pad, extending north to south where within the trees 4.2m TPZ, in advance of site construction activity; prune exposed roots; install the driveway pavers overlain on a sand base to promote water infiltration and to not alter soil acidity; ensure all construction materials/equipment and supplies are stored outside of the trees TPZ and the 6.0m TPZ of a nearby 96 cm dbh red oak on the south side of the walkway, as shown on attached photos; and ensure all tree protection fencing remains in effective condition for the duration of all site construction activity.

Proposed locations for protection barriers on the west side of the tree do not comply with the minimum 4.2m Tree Protection Zone (TPZ) required under By-Law specifications due to the location of the proposed parking pad approximately 1.5m from the tree base. As such, a permit to injure this tree will be required, including a $300.00 non-refundable application fee, due to construction activity encroachment within the trees TPZ.

The Toronto and East York District Office of Urban Forestry, Tree Protection and Plan Review should be contacted (416-392-7391) to arrange for a site inspection once the fencing has been installed, in advance of hydro-vacuum activity, to confirm compliance. An arboricultural consultant should be retained to carry out periodic inspections during the construction period to ensure the protection measures outlined in this report, including tree protection fence installation, hydro-vacuum operations and subsequent root pruning work, are undertaken and remain in effective condition for the remainder of the site construction activities.

It is anticipated that the full implementation of the protective measures set out in this report will mitigate adverse effects from the proposed construction activity upon the subject red oak. The long-term viability of the tree depends upon a number of factors including, but not limited to, the tree’s maturity, failure to comply with any of the identified tree protection measures, any resultant construction impacts, maintenance schedule on the tree and other extraneous factors.

A copy of this report, including Figure 1, should be submitted to the office of Mr. Mark Ventresca, Supervisor, Toronto and East York District, Urban Forestry, Tree Protection and Plan Review for staff review and comment.

We trust this information is sufficient to meet your current needs. Please feel free to contact us if you require any further clarification on this matter.

All of which is Respectfully Submitted.

Prepared for:
AL MILEY & ASSOCIATES
PROFESSIONAL TREE SERVICES
3266 Yonge Street, Suite 1416, Toronto, Ontario M4N 3P6
Tel: (416) 749-3723 Fax: (416) 749-7158 Cell: (416) 562-3269

Philip Rogic, B.Sc.F., R.P.F.
Redbud Forestry Consultants
Photograph showing the full crown of the subject 68 cm dbh red oak (Quercus rubra) tree.
Photograph showing a number of open cavities and an upper branch split on the south face of the subject red oak.
Photograph showing the subject red oak (far right), the area of the proposed parking pad (centre) and new driveway entrance (left), and the location for tree protection fencing (along the north edge of the flagstone walkway, extending northward toward the cedars).
Photograph showing the 96 cm dbh red oak, in good health, located on the south side of the flagstone walkway that will require protection of its 6m TPZ.
FIGURE 1: Tree Preservation Plan - 61 Forest Hill Road, Toronto

Areas of hydro-vacuum operations, along East edge of proposed parking pad, in advance of construction activity.

Tree Protection Zone (TPZ) = 4.2m

Subject tree 68 cm Ø red oak

RESIDENCE

1.2m high wood-clad sheets, installed in advance of site construction activity.

96 cm Ø red oak

HEATH STREET WEST

J. WALDERMAN RESIDENCE
61 FOREST HILL ROAD
TORONTO, ONTARIO

PROPOSED DRIVEWAY ACCESS
FROM FOREST HILL ROAD

SCALE: 1:250

NORTH

1824
PHILIP S. ROYCE
23 December 2011
ONTARIO

REGISTERED PROFESSIONAL FORESTER