

# SHOFFNER CONSULTING

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May 14, 2016

Scott Gibson  
On The Rock 98040, LLC  
PO Box 956  
Mercer Island, WA  
98040

RE: Tree Inventory 9740 SE 35th Pl., Mercer Island, WA.

Scott:

This report is provided to address the inventory I conducted recently on the property at the address of 9740 SE 35th Pl. in Mercer Island. This report presents my findings. At this time, no development measures affecting tree retention are specified, therefore no protection or replacement guidelines are provided.

## **1. Site Conditions**

The project site is located in north Mercer Island on Lake Washington in a neighborhood of single family residences. It's developed with a single family residence. The landscape is formal in character, including much turfgrass and ornamental species of trees and shrubs, but also includes several native trees.

## **2. Tree Inventory**

I recently conducted an inventory of the trees on the property and those just off-site with driplines that extend onto the property. Using the survey, I identified each tree on the site and labeled them with numbered metal tags. These numbers shown on the Tree Inventory Plan. I also identified the trees just off-site with driplines that extend onto the project site.

The survey shows 67 trees on the property, however, 4 of these have been removed for a total of 63 trees on the property. One of the trees shown located just off-site to the west has also been removed. There are 35 trees just off-site with driplines that extend onto the project site.

I gathered information on each tree including species, dbh and performed visual assessments of each tree from up close to inspect the trunk and root collar and for the larger trees also from afar to observe conditions of the crown. The crown spread measurements were gathered during the site survey and are provided in the inventory plan. All of the information specific to each tree is provided on the accompanying Tree Evaluation Data spreadsheet.

Twelve trees on the property were found to be in poor condition and health. These trees are numbers 11, 12, 13, 17, 21, 22, 23, 24, 37, 41, 42 and 44. The descriptions of these trees and their conditions/defects are provided in the Tree Evaluation Data spreadsheet. These trees are recommended to be removed because of their poor health/condition or significant defects.

### **3. Tree Protection Measures**

The retained trees are to be protected throughout construction on the lot from removal of the existing residence until the new residence is complete. The following protection measures are to be instituted:

- Tree protection fencing is to be installed around the trees to be retained. The fencing is to be located at the dripline edge. However, so long as the excavation areas are kept to a minimum within the driplines of the trees, the protection zones could be reduced to allow more room for construction.
- The tree protection areas are to be areas of no encroachment, no construction, no dumping and no storage of materials.
- The fencing is to be left in place throughout construction and only removed upon completion of the project.
- The stump of any trees that are removed within the dripline of retained trees are to be ground down to below the soil surface as opposed to pulled out or excavated.

### **4. Tree Replacement**

The City of Mercer Island requires replacement for trees removed on a sliding scale of 0:1 up to 4:1, depending upon the criteria in the following priority order:

1. Percentage of slope, slope stability, topography and general soil conditions;
2. Trunk size and canopy of tree to be cut and trunk size and canopy of replacement tree;
3. Size and shape of lot and area available to be replanted; and
4. Proximity to any critical tree area and/or the existence and retention of vegetative cover in any critical tree area.

Once development is specified and tree removal is proposed, tree replacement numbers can be identified.

### **6.0 Use of This Report and Limitations**

This report is provided to On The Rock 98040, LLC as a means of reporting on the trees on the existing lot at 9740 SE 35th Pl. in the City of Mercer Island, WA, and to provide City of Mercer Island tree protection and replacement measures. Trees are dynamic and their conditions can change drastically and quickly, particularly following changes to the surrounding environment, such as in the case of development, therefore, the evaluations provided in this report only apply to the trees at the time of the assessments. While the impact assessments

have found those to the trees recommended to be acceptable for retention, it is impossible to determine the affect of impacts upon trees or a tree's response to impacts, therefore Shoffner Consulting and Tony Shoffner is not responsible for the failure of retained trees and cannot be held liable for damage resulting from the failure of trees recommended to be retained.

Cordially,

A handwritten signature in black ink, appearing to read "Tony Shoffner". The signature is fluid and cursive, with the first name "Tony" being more prominent than the last name "Shoffner".

Tony Shoffner  
ISA Certified Arborist #PN-0909A  
CTRA #1759