

SHOFFNER CONSULTING

1015 10TH ST. MUKILTEO, WA 98275 MOBILE:(206)755-9407 EMAIL: TONY@TONYSHOFFNER.COM

February 5, 2024

Eric Sadler
MN Custom Homes
3009 112th Ave. NE. Suite 100
Bellevue, WA
98004

RE: Tree Impact Assessment Report - Tree #24 MN 472 7119 80th Ave. SE Mercer Island, WA.

Eric:

This report is provided to address the recent revisions to the site plan and the impacts to tree #23 within the right-of-way just off-site at the address of 7119 80th Ave. SE in Mercer Island, WA.

1.0 Professional Experience and Credentials

Following is a summarization of my experience and credentials as a consulting arborist:

- Master of Science in Urban Horticulture from Center for Urban Horticulture, University of Washington, 1996. Focus of study and thesis was nursery production of Pacific madrone (*Arbutus menziesii*) and establishment into a natural/urban ecosystem.
- ISA Certified Arborist since 1996.
- Tree Risk Assessment Qualified since 2012.
- Consulting arborist, 1996-present.
- Wetland Biologist, 1996-1998
- Other related experience: City of Everett Urban Forestry, summers 1989-1992; Natural Resource Management staff and Bellevue Botanical Garden staff, City of Bellevue, 1996-1997.

2.0 Tree Condition and Impact Assessment

My original assessment of this tree was conducted in May of 2023. It is a Douglas fir that measures 26" dbh and is in very good condition and health. The root plate for a tree of this size will be no more than 10' from the tree.

Recent adjustments to the site plan have revised the location of the house and driveway.

There is an existing driveway located approximately 20 feet from this tree. The development plan proposes to install a new driveway that will come to within approximately 5 feet of this tree. Due to the level topography, no grading will be needed to provide the grade for the driveway. If anything, there may need to be a slight bit of

gravel fill in some locations to level the ground and in other locations some of the existing gravel may need to be removed, also to level the ground. No excavation to a depth where roots will be encountered will be done, thus the impacts associated with installation of the new driveway will not result in significant, even minor, impacts to tree #23.

The house and impacts associated with excavation for the foundation will be outside the drip line and approximately 20 feet from the tree. This will not result in significant root damage if any at all.

While there will be additional impervious surface within the drip line of tree #23, the current conditions with gravel for street parking and asphalt for the road already exist as fully to semi impervious surfaces so the introduction of more with the new driveway will not result in an increase impervious beyond which the tree will be able to tolerate.

The most important thing to note is that there will be no excavation within the drip line or TPZ of this tree thus no roots will be damaged, preserving the ability of the tree to acquire the necessary resources to maintain the functional levels of growth and defense to combat stress.

3.0 Tree Protection Measures

Following are the measures to provide protection for tree #23:

- Tree protection fencing is to be installed at the drip line prior to clearing and grading.
- When work is needed within the drip line, fencing is to be moved toward the tree far enough to allow for the work to be conducted.
- Fencing is to remain in place throughout construction.

7.0 Use of This Report and Limitations

This report is provided to MN Custom Homes to address the proposed encroachment into the drip line of tree #23 on the property at the address of 7119 80th Ave. SE in Mercer Island, WA. No development is proposed at this time, therefore, no impact assessment is provided.

Cordially,



Tony Shoffner
ISA Certified Arborist #PN-0909A, TRAQ