ARBOR INFO LLC
2406 N Castle Way Brier, WA, 98036

May 27, 2018
Dan Di Zazzo | Landscape Architecture
92 Lenora Street
Seattle, WA 98121

Dear Dan,

This note is in response to City of Mercer Island Review Comments for File No. SUB17-010-Peyree Short Plat, dated October 17, 2017. Reference is made to the attached "Tree Preservation and Removal Plan."

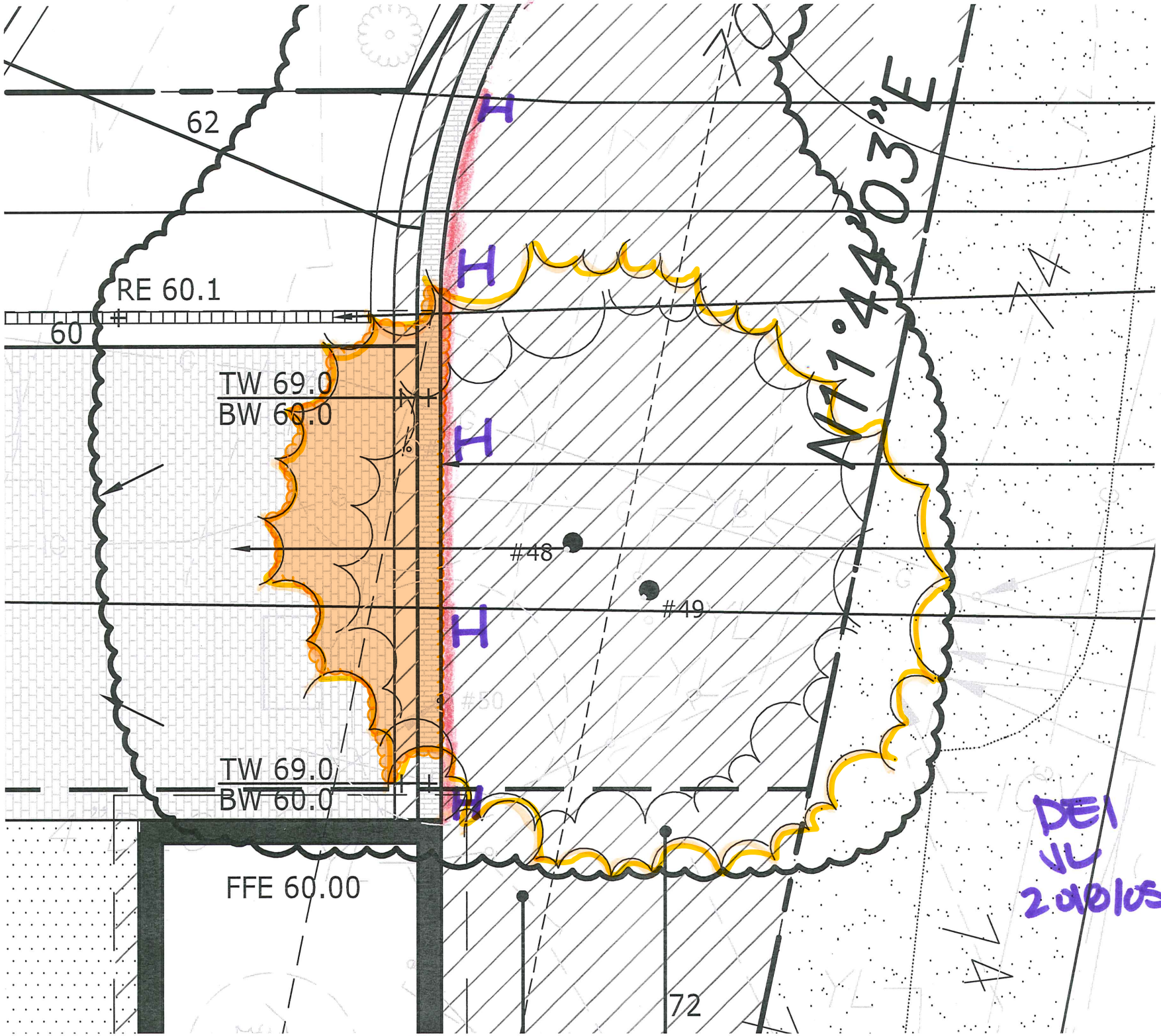
The review asks for documentation from the Project Arborist regarding the long term negative impacts of the driveway and retaining wall construction on trees #48 and #49, both large Douglas-fir.

The construction plan is to replace the existing driveway that is now within about 18-feet of the trees, leaving the soil grade as is in the area from the trees to the driveway and maintaining the existing location and grade. In my opinion replacing the driveway will not significantly adversely affect tree vigor and vitality.

The planned retaining wall will replace the existing concrete block wall that currently stands about 18-24 feet from tree #49 and 6-12 feet from tree #48. The plan calls for removing the wall and replacing it with a new wall utilizing "pin pile" shoring. (See attached diagram). The new wall will stand in the same location as the existing wall and no change in soil grade is planned. This construction technique is minimally destructive to existing tree roots, although some minor damage can be expected. That damage should not affect the tree vigor and vitality. (Note that previous owners have put top soil over the root crowns of both trees that should be raked away).

Tom Hanson

Tom Hanson
CA#23136, RCA#499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RE 60.1
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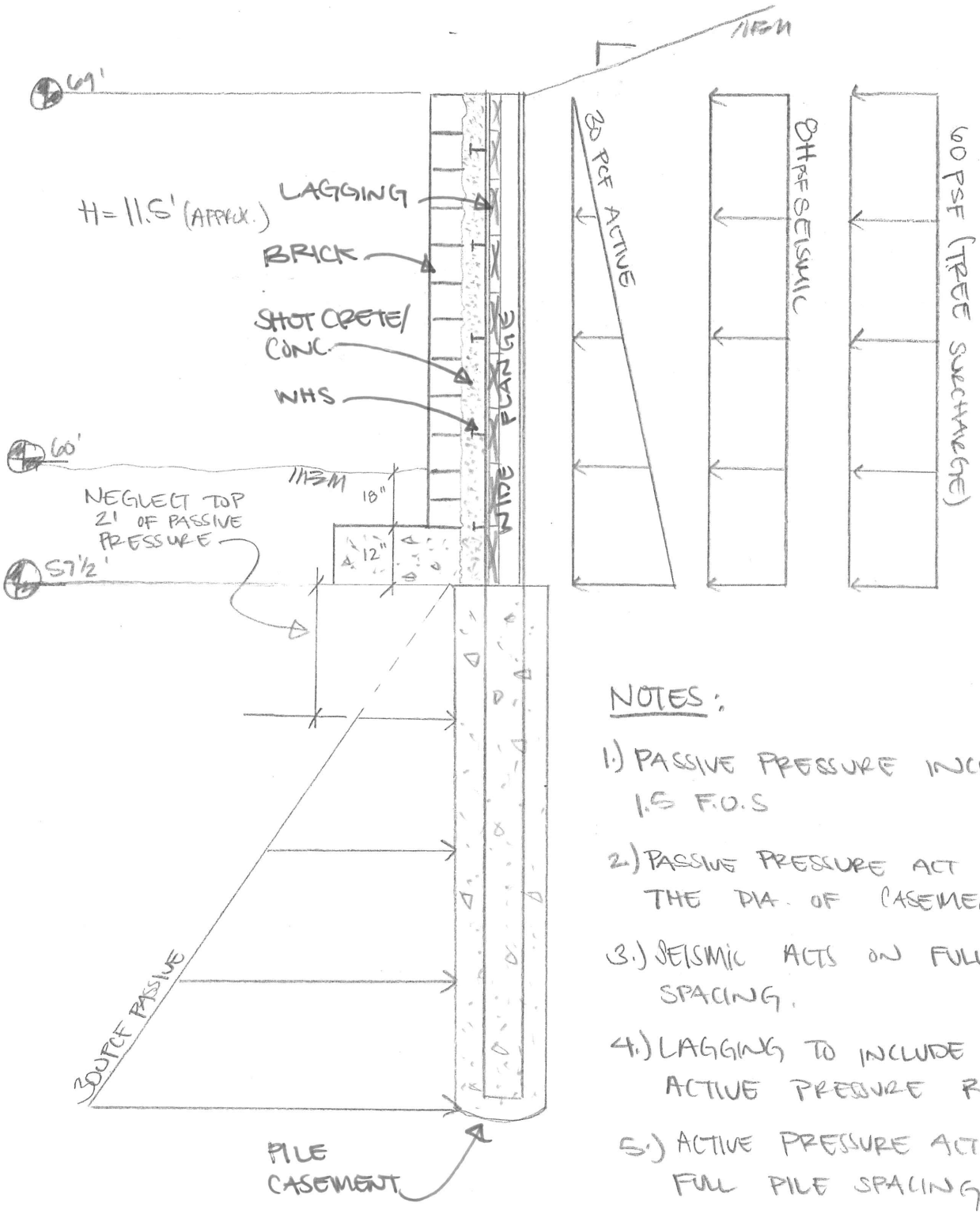
JL
2008/05/25

DEI
DIBBLE ENGINEERS INC

PROJECT NAME: PEYREE RESD.
PROJECT #: 17-291
SUBJECT: PERMANENT SOLIDER PILE WALL PRESSURE DIAGRAM

SHEET #: SK-1
DATE: 2018/05/25
BY: JL



NOTES:

1.) PASSIVE PRESSURE INCLUDES 1.5 F.O.S

2.) PASSIVE PRESSURE ACT AT 2x THE DIA. OF CASEMENT

3.) SEISMIC ACTS ON FULL PILE SPACING.

4.) LAGGING TO INCLUDE 50% ACTIVE PRESSURE REDUCTION

5.) ACTIVE PRESSURE ACTS OVER FULL PILE SPACING

6.) HYDROSTATIC PRESSURE NOT ASSUMED.