



March 19, 2025

Ruji Ding  
City of Mercer Island Engineering Reviewer  
9611 SE 36<sup>th</sup> Street,  
Mercer Island, WA 98040  
RE: 2409-012

Hello Ruji,

Due to the high cost of detention system our client tasked us with meeting the requirements to avoid it.

**Requirement 1 – Net increase of impervious surface < 500 sf**

1. Our net impervious change is +133 SF. Please see sheet 1-4

**Requirement 2 – New plus replaced hard surface < 2,000 sf**

1. Our new plus replaced hard surface is 1,997 SF. The way we achieved this is by changing the walkway material to walnut shells which we re counting as 100% pervious. Please see sheet 5.

Please note the changes in impervious surface tables on sheets 1 and 5. This is different from our last submission. I have meticulously re-measured all impervious surfaces for existing and proposed. The main difference being the area of the house. Last submission I failed to measure from the eaves therefore the house is larger. At the same time all other impervious surfaces shrunk due to this coverage.

Please review the drawings. I can be reached at 425-392-5351 if you have any questions.

Sincerely,  
EASTSIDE CONSULTANTS, INC.  
Ronald S. Frederiksen, PE