



civil & structural  
engineering & planning

March 2, 2026

City of Mercer Island  
9611 SE 36<sup>th</sup> Street  
Mercer Island, WA 98040

**RE: Post Issuance Permit Revision Letter**

Project Name: Wang & Yang ADU  
Project Address: 6450 E Mercer Way, Mercer Island, WA 98040  
Previous Permit #: 2402-186  
CG Project Number: 25262

Dear City of Mercer Island,

Our team is reaching out to submit a post-issuance permit revision for a building permit issued by City of Mercer Island on 9/27/2024. The building permit, **#2402-186**, was approved to rebuild a garage with an 849 SF ADU above. During construction, the geotechnical Engineer determined that the soils were soft and provided a geotechnical report addendum dated November 24, 2025, this is attached to this post permit revision submittal. CG Engineering has confirmed in writing that a 6,000-pound capacity for 2" diameter pin piles is acceptable to the geotechnical engineer.

For this permit revision, we are providing structural calculations for this ADU to be supported on a pin piling foundation. Structural sheets S1.1 & S1.2 show the 2" diameter pin pile layout and concrete grade beam details to support the ADU on the soft soils.

Structural sheet S2.2 shows a masonry block wall that also needs to be supported on piling and a continuous concrete grade beam per the geotechnical engineer.

This sheet also details out the new foundation drain behind the wall and an added Type 1 catch basin at the NW corner of the ADU to pick up foundation drains from the ADU and wall along with the downspout drains for the ADU.

Due to the relatively steep slope, we have replaced the 4" PVC drainage pipe that leads to the dispersion system designed by Merit Engineering sheet C 01 dated June 3<sup>rd</sup>, 2024. CG worked with Merit to supplement their design with an anchored 4" HDPE to the grade beam supporting the block wall as shown in detail 2/S2.2 for this post revision set.

If you have any questions or comments regarding the responses to this review, please do not hesitate to call.

Sincerely,  
**CG Engineering**

A handwritten signature in blue ink that reads 'Greg Guillen'.

Greg Guillen, PE, SE  
Principal

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