

Memorandum

To:	Elizabeth Thompson	Date:	August 18, 2022
From:	April Ng		
Project:	Butenwieser/Wiley Residence 6838 96 th Ave SE Mercer Island, WA 98040 King County APN 302405-9010	File No:	CAO21-007 SHL21-042 SEP21-027
Subject:	CAO 21-007 SUB 2 Resubmittal		

This memorandum responds to comments received from Michele Lorilla, Geotechnical Peer Reviewer dated June 1, 2022 for Mercer Island: Cascade. File Number: CAO 21-007, SUB 2.

Geotechnical Engineering Peer Review		
<i>Comment</i>	<i>Response</i>	<i>Document Ref.</i>
<p>"The geotechnical addendum addressed many of our review comments from the SUB1 review phase. The outstanding item remains the issue of catchment capacity and design of Aspect designated Wall 3. According to the geotechnical report addendum... .. the stratigraphy used in the slope stability cross-sections was not determined by specific borings or information at those specific cross-section locations... .. We recommend that the geotechnical engineer resolve the lack of subsurface information, revise cross-sections using the results from explorations located on the slope, revise slope stability analyses and catchment calculations.</p>	<p>Aspect advanced a series of supplemental hand auger explorations on the slope to provide additional information regarding the thickness of the colluvium layer in cross-sections C-C', D-D', and E-E'. The supplemental exploration logs are included as an appendix to the revised geotechnical addendum. We revised the slope stability analyses and catchment calculations appropriately and included updated output results as appendices to the revised geotechnical addendum.</p>	<p>Geotechnical Addendum Dated 4/26/2022 (Revised August 16, 2022)</p> <p>Appendix A City Comment Response Letter No. 2 (July 20, 2022)</p>
<p>"We also request documentation of assumptions and calculations to support the debris flow loading value and configuration."</p>	<p>Aspect has included a discussion of the assumptions and calculations supporting the debris flow loading value and configuration in the revised geotechnical addendum.</p>	<p>Geotechnical Addendum Dated 4/26/2022 (Revised August 16, 2022)</p> <p>Appendix A City Comment Response Letter No. 2 (July 20, 2022)</p>

Updated files been uploaded to the City of Mercer Island's FTP website. If you have any questions, please feel free to contact me at your convenience.



Sincerely,

A handwritten signature in black ink that reads "April Ng".

April Ng, AIA, Associate

Attachments:

CAO21-007 SHL21-042 SEP21-027_2022-08-16 Revised Geotechnical Addendum