




**Date:** February 14, 2018  
**To:** Josh Wheeler, PE  
Development Projects Manager  
City of Oregon City  
  
**From:** Timothy J. Pfeiffer, P.E., G.E.  
**Subject:** Municipal Code 17.44 - Geologic Hazards Waiver Request  
**Project:** 510 1<sup>st</sup> Street Dock –Map 2-1E-36DD, Tax Lot 200  
Project 2181001

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The development includes a floating dock, gravel patio ( $\pm 352$  square feet), concrete patio ( $\pm 316$  square feet), concrete block retaining walls and a stairway within a geologic hazard overlay zone. The hazard zone is based on steep slopes between the railroad and the Willamette River. The site material appears to consist primarily of railroad ballast and fill.

Leonard A. Rydell, P.E., P.L.S., W.R.E. prepared an evaluation of the site cut and fill for the development. The evaluation concluded that the estimated imported fill was  $\pm 12$  cubic yards for the gravel and concrete used to build the deck and retaining walls. The evaluation also found the cuts and fills would have likely been under two feet high. The evaluation concluded that the original cuts and fills are well under 50 cubic yards and may be less than 20 cubic yards.

Considering the site conditions and size of the cuts, we recommend waiving the requirements for the Geological Assessment and Geotechnical Report, Municipal Code Chapter 17.44.050 A. All other code provisions including the Development Standards 17.44.060 apply.

Please let us know if there are any additional questions.