



# MEMORANDUM

To:	Angela Caffrey	From:	Shawn M. Dimke, P.E., G.E.
Company:	West Linn-Wilsonville School District	Date:	July 14, 2021
Address:	2755 SW Borland Road Tualatin, OR 97062		
cc:	Remo Douglas, West Linn-Wilsonville School District (via email only) Rebecca Stuecker, IBI Group (via email only) Rebecca Grant, IBI Group (via email only) Mercedes Serra, 3J Consulting (via email only) Mark Wharry, KPFF Consulting Engineers (via email only) Danielle Pruet, KPFF Consulting Engineers (via email only) Carrie Richter, Bateman Seidel PC (via email only)		
Project No.:	WLWSchDist-1-01		
RE:	Geotechnical Report Submittal for City of West Linn Project ID: CUP-21-02/ DR-21-04/WRG-21-02/MISC-21-04/VAR-21-01/VAR-21-06/LLA-21-02 New Athey Creek Middle School 840 and 945 Dollar Street West Linn, Oregon		

We prepared a geotechnical report for the planned new Athey Creek Middle School dated October 20, 2020, which has been submitted to the City of West Linn as support for a Conditional Use Permit application.<sup>1</sup> The geotechnical report includes the results of our site reconnaissance, subsurface explorations, lab testing, and slope stability modeling for existing and proposed slopes at the site as well as a site-specific seismic hazard evaluation for the site.

The geotechnical report acknowledges that the Statewide Landslide Information Database for Oregon prepared by the Oregon Department of Geology and Mineral Industries (DOGAMI) maps steeper slopes at the site, including part of the slope where the central wing of the school building is planned, as having moderate to high susceptibility to shallow landslides (less than 15 feet below ground surface) based on the slope gradients and the mapped geologic units. DOGAMI maps the site as having low susceptibility for deep landslides and does not map any past or current landslides at the site. Landslides were not observed at the site during our site reconnaissance and explorations. Our geotechnical report summarizes our slope stability evaluations, which include a cross section adjacent to the planned central wing of the building with stability analyses for the existing and proposed conditions. Our report provides site-specific recommendations for cut and fill

<sup>1</sup> GeoDesign, Inc., 2020. *Report of Geotechnical Engineering Services; Dollar Street Middle School; West Linn, Oregon*, dated October 20, 2020. GeoDesign Project: WLWSchDist-1-01

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slopes, structural fills, benching for new structural fills into existing slopes, slope setbacks for structures and fills, drainage, and managing surface runoff to meet slope stability requirements for the project resulting in no adverse impact on the stability of the slopes at the site. These recommendations are based on the site reconnaissance, subsurface explorations, lab testing, and slope stability modeling for existing and proposed slopes at the site, taking into account DOGAMI mapping as well as the site-specific seismic hazard evaluation. We also worked closely with the civil engineering team, KPFF Consulting Engineers, who developed the grading plan to meet our recommendations to satisfy slope stability requirements. As geotechnical engineer of record, NV5 will provide geotechnical construction observation services to evaluate and document that the recommendations provided in our geotechnical report are adhered to during construction and in the completed work.

SMD:sn

One copy submitted (via email only)

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