



July 26, 2024

Deal Investments

Attention: Lauren Yelish, Brandon Deal  
10510 Northup Way, Suite 120  
Kirkland, WA 98003

**Re: Geotechnical Review of Project Plans**

Seattle Department of Construction & Inspections Permit No. 7035345-CN  
5445 24th Avenue NW  
Seattle, Washington 98107  
Aspect Project No. 210538

Dear Lauren and Brandon:

Geosyntec Consultants, Inc., dba Aspect Consulting (Aspect), has reviewed the temporary bracing plans for the eastern basement wall of the existing building at 5445 24th Avenue NW in Seattle, Washington (Site). The temporary bracing will be installed to support the eastern concrete basement wall during demolition so that it can serve as temporary shoring until the soldier pile with tiebacks and timber lagging temporary shoring is installed behind it. The five-page plan set, titled *Basement Wall Temporary Bracing Drawings for Building Demolition*, dated July 23, 2024 (Permit Resubmittal), was produced by Terracon.

The temporary bracing plans show the following:

- Design lateral earth pressures for the temporary bracing. The plans indicate that the temporary bracing is designed using an active earth pressure of 35 pounds per cubic foot (pcf, expressed as an equivalent fluid density) with 70 pounds per square foot (psf) lateral earth pressure from traffic surcharge;
- The sections of basement wall and exterior retaining wall that need to be preserved during demolition and remain in place until shoring is installed behind them;
- The sections of basement wall that need to be preserved during demolition, supported with temporary bracing during demolition and shoring installation, and supported with a soil berm to facilitate bracing removal;
- Bracing construction and removal sequencing; and
- Bracing connection details.

Based on our review of the temporary bracing plans, we conclude the lateral earth pressures assumed for the temporary bracing design are appropriate. Provided that the temporary bracing is properly constructed in accordance with the plans, Aspect states that the risk of damage to adjacent developments and properties from soil instability will be minimal.

## Limitations

Work for this project was performed for Deal Investments (Client), and this letter was prepared in accordance with generally accepted professional practices for the nature and conditions of work completed in the same or similar localities, at the time the work was performed. This letter does not represent a legal opinion. No other warranty, expressed or implied, is made.

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We appreciate the opportunity to perform these services. If you have any questions, please call Eric Schellenger, Project Engineer, at (714) 423-4261.

Sincerely,

**Aspect consulting**



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