



June 4, 2025

Shoal Creek Development, LLC
620 Savoy Drive, Suite #500
Houston, TX 77036

Attn: Mr. Joseph Lee

**RE: GEOTECHNICAL ENGINEERING LETTER
RETAINING WALL CONSIDERATIONS
1501 SHOAL CREEK BOULEVARD
AUSTIN, TEXAS 78701
PSI Project No. 03031973**

Dear Mr. Lee

Professional Service Industries, Inc. (PSI), an Intertek company, has recently completed a geotechnical engineering report for the above-referenced project, but has been requested to provide additional information regarding the feasibility of a retaining wall. Following is preliminary information with respect to the construction of a retaining wall at the subject property.

We understand that a retaining wall is being considered for construction along the east property line, with the retaining wall extending up from the east portion of the property line and retaining soils from the adjacent uphill properties. The wall may have heights up to about 30 feet and will likely be designed as a conventional cantilever wall. A similar wall exists to the north of the subject property and the new wall will likely "tie-in" to the existing wall with a similar construction.

PSI has conducted four (4) borings at the site for the purpose of geotechnical design recommendations for the foundations and paving for the proposed condominiums. Additional borings may be completed once access is available following selected demolition of existing structures and specifically in the vicinity of the proposed new retaining wall. PSI's borings discovered relatively consistent soils and rock, especially from a depth of about 10 to 15 feet to the bottom of the borings at a maximum depth of 70 feet

The findings of the borings are consistent with soils and rock that can be designed to support a retaining wall as proposed, using either shallow continuous grade beam type footings or a deep foundation system using drilled piers or driven piles. The upper soils are relatively dense and/or hard and should be capable of providing allowable bearing capacities on the order of 2,000 psf or greater. Drilled piers extending to the hard shale stratum at or below about 30 feet will likely be capable of achieving end bearing capacities on the order of 15,000 psf or greater.

Without specific design information at this time, further estimation of the foundation support capabilities is difficult. However, in general, the soil and rock at this site are consistent with other sites that have effectively designed and constructed similar retaining structures.

The geotechnical engineer warrants that the conclusions or professional advice contained herein have been made in accordance with generally accepted professional geotechnical engineering practices in the local area. No other warranties are implied or expressed.

Respectfully submitted,
Professional Service Industries, Inc.


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