



UNIVERSAL ENGINEERING SCIENCES

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LOCATIONS:

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- Panama City, FL
- Pensacola, FL
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- Sarasota, FL
- Tampa, FL
- Tifton, GA
- West Palm Beach, FL

February 28, 2019

Ms. Alice Pricop
Homeowner Service Coordinator
K Hovnanian Homes
3601 Quantum Blvd., Suite 101
Boynton Beach, FL 33426

Reference: Parkland Royale – Lot #461
Parkland, Broward County, Florida
UES Project No.: 0630.1400092 & Report No.: 16273


Dear Ms. Pricop:

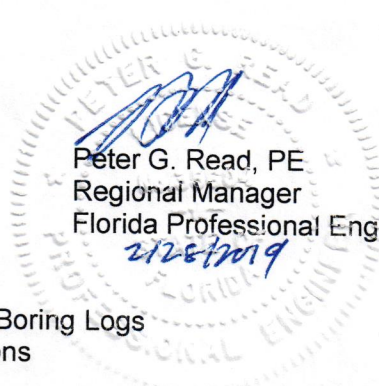
Universal Engineering Sciences, Inc. (UES) has completed a limited subsurface exploration for Parkland Royale Lot #461 in Parkland, Broward County, Florida. This letter contains the results of the subsurface exploration specifically for the referenced lot which is included in the form of a completed soil boring and an engineering opinion regarding the soils encountered. Site preparation procedures are referenced in the previous Preliminary Geotechnical Engineering Report (Report No. 12850) dated September 30, 2014.

The purpose of the pad evaluation was to analyze the subsurface soil conditions in general accordance with the Florida Building Code, Section 1803 (Geotechnical Investigations). The building pad subsurface soil conditions were explored by advancing a Standard Penetration Test (SPT) soil boring to a depth of 10 feet below land surface (bls).

Based on the results of the soils encountered, it is our opinion that the encountered soil conditions should be suitable for the support of a 12-inch wide or greater monolithic foundation slab embedded at least 12-inches, or shallow foundations embedded at least 18-inches, below lowest adjacent grade. If these soils are not disturbed, then a maximum allowable bearing capacity of 2,500 pounds per square foot (psf) is estimated for foundations designed and prepared according to good, standard industry practice. If any disturbance is noted in the foundation soil during or after excavation, the soils must be re-compacted to a minimum of 95 percent of the maximum dry density. If any soils are found which are different from those encountered in our boring location, our office should be contacted immediately so that we can make further recommendations and verify that the conditions stated in this letter are still valid.

Respectfully submitted,
Universal Engineering Sciences, Inc.
Certificate of Authorization No. 549


Allan C. Abubakar, PE
Project Engineer



Peter G. Read, PE
Regional Manager
Florida Professional Engineer No. PE-35604
2/28/2019

Attachments: Boring Location Map
Boring B-461 and Key to Boring Logs
Constraints and Restrictions
In-place Density Tests