



August 22, 2024

Mr. Rich Sherman
New Home Inc.
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**Observation of Front Porch Slab Area
Duncan's Creek - Lot 150
606 Duncan Creek Road
Lillington, North Carolina
Our Project Number 121-22-110410**

Gentlemen:

We understand that a representative of the Town of Lillington has requested an evaluation of the washed #57 stone placed under the front porch slab for the single-family home at the above referenced lot. The purpose of our evaluation was to provide our opinion regarding the suitability of the washed #57 stone for support of the front porch slab. The following is a summary of our review of provided photographs. We note that surveying is not part of our scope of services.

A representative of NV5 Engineers and Consultants, Inc. recently visited the site to evaluate the washed #57 stone in the area of the planned front porch concrete slab. We did not observe the placement or consolidation of the washed #57 stone in this area. Upon arrival, the concrete had already been placed over the washed #57 stone. Based on our experience, washed #57 stone cannot be evaluated using conventional density testing or penetration testing techniques. Therefore, we requested that an area between the exterior front porch wall and the concrete slab be exposed so that the area could be observed for signs of voids that might indicate consolidation of the washed stone occurring after concrete placement. On August 20, 2024, a representative of New Home Inc. provided us with photographs of an exposed area between the slab and exterior wall where the washed #57 stone could be observed. Based on our review of the provided photographs, the concrete slab was in contact with the washed #57 stone in the exposed area, and no voids were observed in the exposed area. Based on our review of the provided photographs, it is our opinion that the washed #57 stone in the observed area is suitable for support of the front porch slab.

If you have any questions concerning this information, please contact us.

Sincerely,

NV5 Engineers and Consultants, Inc. (F-1333)

William M. Cruikshank, E.I.
Project Manager

Brock Horsley, P.E.
Principal Geotechnical Engineer

