January 18, 2024



Mr. Rich Sherman New Home Inc. rich.sherman@newhomeinc.com

> Report of Footing Examination Duncan's Creek - Lot 130 385 Duncan's Creek Road Lillington, North Carolina Our Project Number 121-22-110410

Gentlemen:

As requested, our representative was present onsite on January 18, 2024, to test the shallow subsurface soils of the footing excavations of Lot 130 of the residential home located at 385 Duncan's Creek Road in Lillington, North Carolina. Based upon our understanding of the planned residential construction, we have assumed an allowable soil bearing capacity of 2,000 pounds per square foot (psf).

Our testing consisted of visual observations, hand rod probing, and dynamic cone penetrometer testing in accordance with ASTM STP-399 at selected locations to a maximum depth of 3 feet below the bearing surface. Our scope did not include mechanically drilled soil test borings to evaluate deeper subsurface soil conditions that could affect foundation support. Deeper borings can be provided, if desired.

Based on our observations and the results of our testing, soft, wet soils were encountered to a depth of approximately 6 inches below the excavated foundation bearing surface in the back left corner of the footing (as viewed from the street). We recommended that the soft, wet soils be removed to a depth of 6 inches and backfilled with additional concrete. After these remedial measures are performed, the design bearing pressure of 2,000 pounds per square foot (psf) was available at the locations and depths tested at the time of our investigation.

Exposure to the environment, especially rainfall, may weaken the soils at the foundation bearing surface, if they are exposed for extended periods of time prior to concrete placement. If the foundation bearing surface becomes softened due to exposure, the soft soils should be removed prior to placement of concrete.

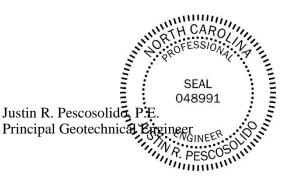
If you have any questions concerning this information, please contact us.

Sincerely,

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

liam M. builshank

William M. Cruikshank, E.I. Project Manager



NV5 Engineers and Consultants, Inc. NC Engineering Corporation F-1333 4905 Professional Court, Raleigh, North Carolina 27609 (919) 876-9799