March 28, 2024

Mr. David Allgood
Davidson Home Crafters
david@davidsonhomecrafters.com

Summary of Footing Excavation Examination
Allgood Residence
189 Spence Road
Lillington, North Carolina
Our Project Number 121-24-114890

Mr. Allgood:

As requested, a representative of NV5 Engineers and Consultants, Inc. was present at the above referenced site on March 21, 2024, to perform testing in the footing excavations for the residential home located at 189 Spence Road, Lillington, NC. Based on our review of the structural drawings provided to us and available at the project site, we understand that the foundations were designed using allowable soil bearing pressure of 2,000 pounds per square foot (psf). Our services did not include surveying. The locations and elevations of our testing were based on footing excavations performed by others.

Our field examinations consisted of visual observations, dynamic cone penetrometer (DCP) testing in accordance with ASTM STP-399, and hand rod probing at selected locations. DCP testing was performed at select locations and to a maximum depth of 3 feet below the planned foundation bearing elevation. Our scope did not include mechanically drilled soil test borings to evaluate deeper subsurface soil conditions that could affect foundation support. Such services can be provided, if desired. The results of our footing examinations indicated that 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. The results of our observations indicated that all footing excavation measurements met the site provided plan specifications.

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 compacted or removed and replaced prior to placement of concrete.

If you have any questions concerning this information, please do not hesitate to call.

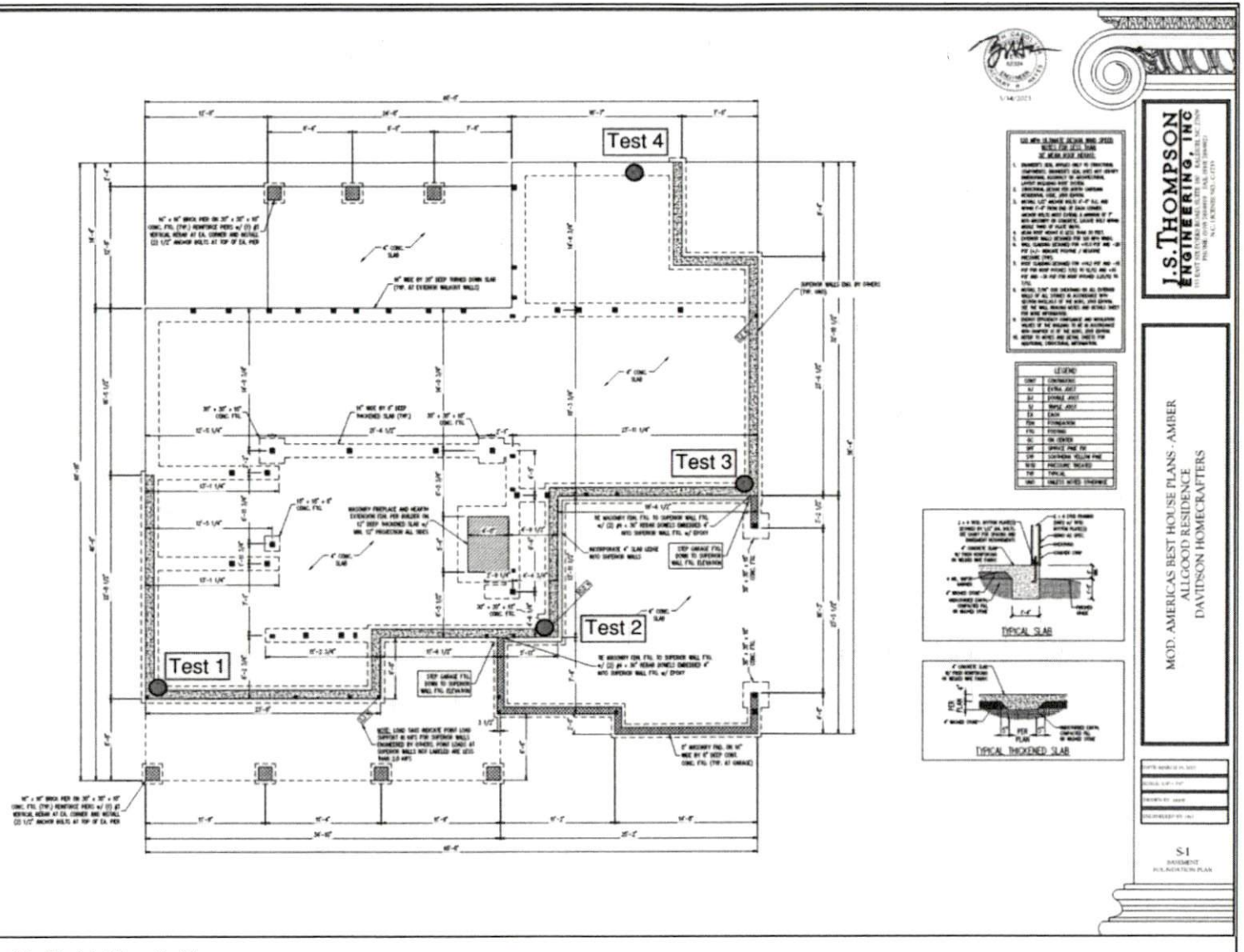
Sincerely,
NV5 Engineers and Consultants, Inc. (F-1333)

Colleen M. Ranieri

Colleen M. Ranieri, G.I.T.
Associate Project Manager

Date: 2024.03.28 15:54:27-04'00'

Glen A. Malpass, Ph.D., P.E.
Senior Principal Engineer



Site plans provided by Mr. David Allgood with
Davidson Home Crafters
Not to Scale

Figure 1: Approximate Test Locations

NV5 Engineers and Consultants, Inc. (F-1333)
3300 Regency Pkwy #100
Cary, NC 27518
919-876-9799

Project: **Allgood Residence**
Lillington, North Carolina
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