

WILKINS ENGINEERING, P.C.

Post Office Box 37446
Raleigh, NC 27627

August 29, 2023

Lonnie Glover Construction, LLC
924 Windrow Lane
Raleigh, North Carolina 27603-7931

SUBJECT: Masonry Basement Wall Construction
145 Alice Holleman Lane
Fuquay Varina, North Carolina
Permit #SFD2303-0023

Dear Mr. Glover:

I am writing to address construction of the concrete masonry block foundation wall. My findings and recommendations are outlined below.

The original design drawings called for construction of a CMU basement wall with a height not to exceed 8'-0". The constructed basement wall actually has a height approximately 11'-0" above the proposed basement concrete slab. The basement wall section between the front crawl space as well as the wall section along the back of the proposed garage slab was actually constructed of 12" CMU/concrete block which is vertically reinforced with #6 reinforcing bars with the cells filled at 48" on center. Additionally, the subject wall was constructed with horizontal joint reinforcement in accordance with the requirements of the 2018 NC Residential Building Code. Accordingly, I find the height of the basement wall as constructed to be structurally acceptable and floor framing over the basement wall should proceed before fill material is placed on the outside of the basement wall. No modification or remedial action is required and construction of the first level floor framing should proceed as soon as possible.

I hope you find this information useful. If you have any questions, or require additional information, please do not hesitate to contact me.

Sincerely,


Ronald B. Wilkins, PE

