

# WILKINS ENGINEERING, P.C.

Post Office Box 37446  
Raleigh, NC 27627

May 1, 2025

Mante Masonry, Inc.  
ATTN: Mr. Lorenzo Alvarez  
Post Office Box 52508  
Durham, North Carolina 27717

REFERENCE: Masonry Wall Construction  
McKay Place Lot #23  
93 Finsbury Court,  
Lillington, North Carolina  
Permit Number SFD-2309-0085

Dear Mr. Alvarez:

I am writing to address an issue raised by the Harnett County inspector during a rough-in inspection conducted on April 8, 2025. My findings are outlined below.

The inspector indicated a compaction test was required for the material placed behind the masonry foundation wall at the right front corner of the structure where the front porch slab will be constructed later. At the time of the inspection the exposed face of the masonry block wall was approximately 6'-0" in height. Fill material was subsequently placed on the outside face which reduces the effective height of the wall to approximately 4'-0". The area behind the wall was filled with #57/67 NCDOT stone and the cells of the masonry wall were filled with grout. The use of stone behind the wall allows the stone fill to drain and prevents water from collecting behind the wall which would exert lateral hydraulic pressure on the wall. In my professional opinion a compaction test would not yield useful information in this situation. I find the wall construction to be structurally acceptable with no modification or addition.

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

