

RJB, P.E., P.A.

C-0269

ROBERT J. BRACKEN
ENGINEER + SURVEYOR

3768 Carbonton Road • Sanford, North Carolina 27330
(919) 774-6074 • bjbracken@windstream.net

January 28, 2019 (1/30/19, Additional Comments)

Harnett County Building Inspections
P.O. Box 65
Lillington, NC 27546

REF: Compaction Test
20 Woodstream Tr.
Carolina Lakes
Sanford, NC 27332
Michael Ryan Homes, Cont.

Dear Sir/Madam:

I made an onsite visit to the above referenced site on January 28,, 2019. The purpose of the visit was to examine the material and compaction that was used at the site for a building footings

The footings were undercut several feet and replaced with "processed fill". The compaction in the fill areas and elsewhere was adequate and met the presumptive bearing pressure of 2000 pounds per square foot. I also ran hand held penetrometer test on several areas and got consistant readings of 2000 pounds per square foot or better.

Based on the above information, the soil will support the live and dead loads for the building footings, and meets or exceeds the requirements set forth in the N.C. Residential Building Code, 2012,ed.

I was told by the Contractor that the footing was turned down because of excessive water in the footing trenches. I told the contractor to remove as much water from the footing trenches as possible. I returned to the site on 1/ 29/19 and observed what the footing looked like after being pumped out, and there was very little water standing in the trenches except fo a few separated pockets with water standing in them. The greater portion of the trenches was "OK" and if the water standing in the pockets is no more than 2 inches deep they will be acceptable also.

If you have any questions please feel free to call me at 919-774-6074.

Sincerely,


Robert J Bracken, PE

