JDS CONSULTING & DESIGN

8600 'D' Jersey Ct
Raleigh, NC 27617

(P) (919) 218-4421
866.792.5107

Firm Lic. No: P-0961

Brian Culver
THP Homes
6312 Lauraca Lane
Fuquay-Varina, NC 27526
brian.thphomes@gmail.com

August 14, 2018

5004092

Subject: Crawl Space and Rear Deck Footings Preparation Inspection
Location: Lot 34R Cokesbury Park (Fuquay- Varina, NC)
Project No: BCH183680
Review Date: 7/30/2018

We are pleased to provide the evaluation of the subject and location referenced above.

Observations:

Crawl space and rear deck footing preparation inspection.

-Strip Footings are sized (width, depth, and length) and installed per plan.
-Pier Footings are sized (width depth, and length) and located per plan.
-Lug Footings are sized (width, depth, and length) and located per plan.
-Reinforcement is installed per plan.
-Footings are clean and free of organic material.
-Soil bearing capacity was tested by JDS on 08-10-18 The field report is posted in the permit box

Recommendations:

Based on our on-site observations and review, the crawl space and rear deck footings have been adequately prepared in accordance with the Harnet County Central approved permit plans and details. The permit plans have an approval stamp dated 05-02-18. Additionally, the crawl space and rear deck footings are installed in accordance with 2012 NCRC section R403.1 and is ready for concrete placement.

If you have any questions or if I can be of further assistance to you on this project, please contact me at (919) 218-4421

Respectfully Submitted,
Brian Hickey
JDS Consulting & Design, PLLC

Reviewing Engineer: Elijah B. Smith, P.E.

NORTH CAROLINA PROFESSIONAL SEAL 37975 ENGINEER ELIJAH B. SMITH 8/14/18

JDS
CONSULTING & DESIGN

PO Box 80755
Raleigh, NC 27623

(P) (919) 480-1075
(F) (866) 792-5107

Soil Suitability for Foundation Installation - Field Report - Conditional Approval
Sealed Report Forthcoming

Client: THP Homes
Date: 08/10/18
Project Number: BCH183679
Location: 34R Cokesbury PARK

Observations:

JDS performed DCP and probe rod testing to verify soil bearing conditions for the areas indicated below:

____	Basement	X	Front Porch	Other:	____
X	Crawl Space	____	Rear Porch / Patio		____
____	Stem Wall	X	Deck		____
____	Monolithic Slab	X	Garage		____

Results:

Test results indicate the soils are suitable for the minimum required bearing pressure of:

X 2000 PSF ____ 2500 PSF ____ 3000 PSF

DCP Min: 8
MPRP: ~2.0'

Over-excavation:

1 Ft to 5 Ft

Back Filled with: #57 #67 #78 Concrete

General Notes:

•Bearing capacity test results are voided if significant precipitation or water intrusion has occurred within 48 hours of the initial testing.

•JDS is not responsible for site conditions that divert water towards the foundation or that prevent drainage away from the foundation that can lead to soft soils and future settlement.

•This report is assessment of vertical bearing capacity only. Unless specifically noted otherwise retaining wall testing, nor slope stability analysis has been evaluated. JDS shall not be held responsible for current or future retaining wall or slope related issues.

•It is the contractors responsibility to ensure that all foundation areas are free of loose material, standing water, and any other deleterious materials prior to placement of stone or concrete.

•Concrete shall not be placed on to frozen ground or in to excavations containing ice or snow