Chicora, PLLC
"Success is Sincere Effort and Skillful Execution"
CONSTRUCTION MANAGEMENT • CIVIL DESIGN • CONSULTING
NC Registered Engineering Firm P-1697

July 14, 2020

South Eastern General Contracting Inc
Attention: Ralph Locklear
3059 N Main St. Suite 16
Hope Mills, North Carolina 28348

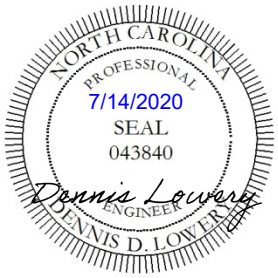
Re: Foundation Evaluation
Builder: Southeastern General Contractors
168 Sherwood Lane
Sanford NC 27332
D.O.I.: July 14, 2020

To Whom it May Concern:

On July 14 2020 Chicora, PLLC performed a site review requested by the client (SEGC) to verify the bearing capacity of soils via hand auger (i.e. DCP Method) for the footings as specified per plans. A hand auger was used to advance the boreholes to different depths noted on the boring logs. A Dynamic Cone Penetrometer (DCP) test was performed in the hand auger boreholes by a 1.5-inch diameter cone driven into the soil by a 15-pound ring weight with a free fall of 20 inches. The number of blows required to drive the cone into the soil 1.75 inches is termed the DCP Value and is indicated for each test on the hand auger. A total of 4 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the existing surface. It is the opinion of Chicora, PLLC that the materials in place (at the locations and elevations tested) are suitable to support the design bearing capacity of 2000 psf. Please see the attach sketch for locations

Should you require any additional information or have any questions, please do not hesitate to contact me at (910) 740-0725.
Sincerely,

Dennis Lowery, PE



Mailing Address: Post Office Box 3400 Pembroke, North Carolina 28372
Phone: (910)740-0725

Project Location 168 Sherwood Lane Sanford NC 27332
Date: 7/14/2020
Design Bearing Pressure: 2000 psf

Test Location

Test Location	Test Depth	Penetrometer Blow Counts			Remarks/Soil Descriptions
		1 3/4"	1 3/4"	1 3/4"	
1	0	3	3	3	Tan Orange Clay
1	-1	4	4	8	Tan Orange Clay
1	-2	6	6	6	Tan Brown Clayey Sand
1	-3	6	10	10	Tan Brown Clayey Sand
Remarks:					

Test Location	Test Depth	Penetrometer Blow Counts			Remarks/Soil Descriptions
		1 3/4"	1 3/4"	1 3/4"	
2	0	4	5	5	Grey Tan Sandy Clay
2	-1	6	9	9	Brown Tan Sand
2	-2	7	14	8	Brown Tan Sand
2	-3	6	5	6	Brown Tan Sand

Remarks:
Test Location

Test Location	Test Depth	Penetrometer Blow Counts			Remarks/Soil Descriptions
		1 3/4"	1 3/4"	1 3/4"	
3	0	6	6	5	Brown Tan Sand
3	-1	6	5	7	Tan Orange Sandy Clay
3	-2	8	9	9	Tan Orange Sandy Clay
3	-3	6	12	10	Tan Orange Sandy Clay

Remarks:
Test Location

Test Location	Test Depth	Penetrometer Blow Counts			Remarks/Soil Descriptions
		1 3/4"	1 3/4"	1 3/4"	
4	0	6	10	7	Grey Tan Clayey Sand
4	-1	6	5	5	Tan Sandy Clay
4	-2	4	4	4	Tan Sandy Clay
4	-3	6	6	6	Tan Sandy Clay

Remarks:

Test Locations