



Chicora, PLLC

"Success is Sincere Effort and Skillful Execution"

NC Registered Engineering Firm P-1697

CONSTRUCTION MANAGEMENT • CIVIL DESIGN • CONSULTING

October 13, 2025

Sherrill Builders Inc.
1220 Fort Bragg Suite 200A
Fayetteville, NC 28305

Re: Foundation Observation
1087 Loop Rd
Bunn Level, NC 28323

Project Number : 250148

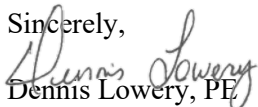
D.O.I. : October 10, 2025

To Whom it May Concern:

On October 10, 2025, Chicora, PLLC performed a site review requested by the client Sherrill Builders Inc, 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 of 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.

Should you require any additional information or have any questions, please do not hesitate to contact me at (910) 536-1968.

Sincerely,

Dennis Lowery, PE



Project Location – 1087 Loop Rd, Bunn Level, NC 28323					
Date: 10.10.2025					
Design Bearing Pressure: 2000 psf					
Test Location	Test Depth	Penetrometer Blow Counts			Remarks/Soil Descriptions
		1 3/4"	1 3/4"	1 3/4"	
1	0	5	12	16	Sandy Clay orange
1	-1	6	8	19	Sandy Clay orange
1	-2	10	8	6	Sandy Clay orange
1	-3	6	8	7	Organic
Remarks:					
Test Location	Test Depth	Penetrometer Blow Counts			Remarks/Soil Descriptions
		1 3/4"	1 3/4"	1 3/4"	
2	0	12	18	18	Sandy Clay orange
2	-1	10	13	15	Sandy Clay orange
2	-2	10	10	8	Sandy Clay orange
2	-3	15	15	8	Organic
Test Location	Test Depth	Penetrometer Blow Counts			Remarks/Soil Descriptions
		1 3/4"	1 3/4"	1 3/4"	
3	0	10	15	21	Sandy Clay orange
3	-1	16	19	23	Sandy Clay orange
3	-2	12	20	15	Sandy Clay orange
3	-3	11	14	12	Organic
Test Location	Test Depth	Penetrometer Blow Counts			Remarks/Soil Descriptions
		1 3/4"	1 3/4"	1 3/4"	
4	0	8	16	19	Sandy Clay orange
4	-1	13	10	7	Sandy Clay orange
4	-2	10	10	10	Sandy Clay orange
4	-3	13	15	23	Organic