

#### ECS Southeast, LLP

6151 Raeford Road Suite A Fayetteville, NC 28304 (910) 401-3288 [Phone] (910) 323-0539 [Fax]

#### LETTER OF TRANSMITTAL

November 7, 2018

Pride Homes 3350 Footbridge Lane, Suite 124 Fayetteville, NC 28306

ATTN: Joe Perkins

**RE:** Marketplace Lot 10

ECS Job # 33:4625

Permits:

Location: 222 Stock Market Dr

**Broadway, NC** 

We are enclosing:

X

Field Reports

X

For your use As requested

ENCL:

Field Report # 1

11/06/2018

Dennis Lowery, P.E. NOV 7 2018

NNIS D. LO

Project English

Ryan H. Parrish

Construction Materials Project Manager



#### **ECS Southeast, LLP**

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Project Marketplace Lot 10

Location Broadway, NC

Client **Pride Homes - Joe Perkins** 

Contractor Pride Homes - Joe Perkins

Remarks

Trip Charges\* Tolls/Parking\* Mileage\* Time of Arrival Departure

04:00P 05:00P

Chargeable Items

\* Travel time and mileage will be billed in accordance with the contract.

FIELD REPORT

1

33:4625

70°/ Sunny

1.00

0.00

0.00

1.00

0.00

**Tuesday 11/06/2018** 

Project No.

Report No.

Day & Date

On-Site Time

Travel Time\*

Re Obs.Time

Weather

Lab Time

Total

Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.

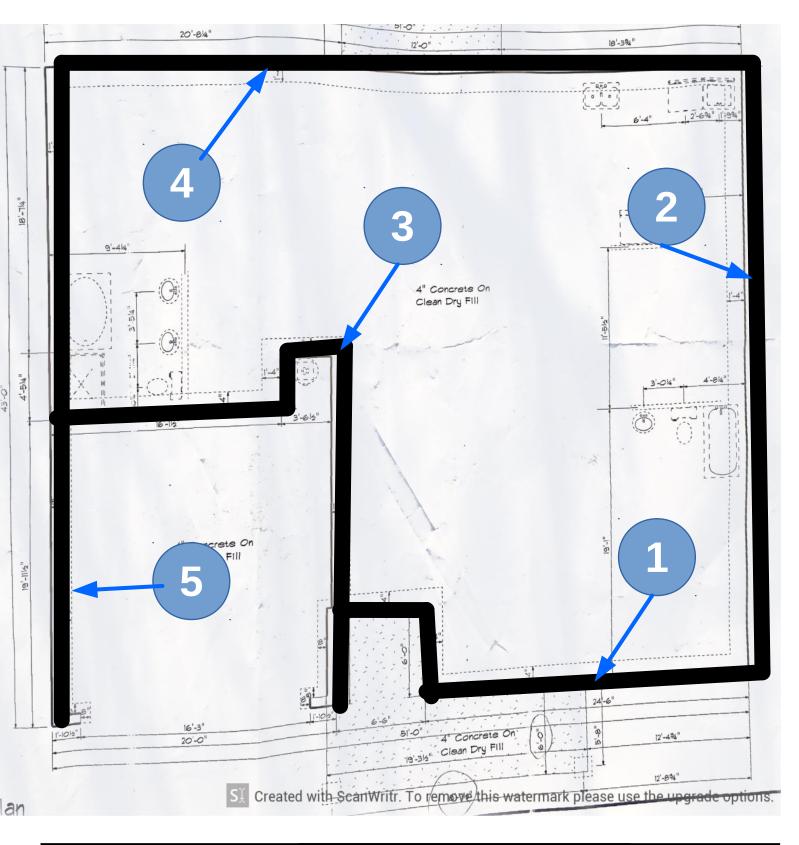
The undersigned arrived on site, as requested, to observe and evaluate the bearing capacity of soils via hand auger/dcp method for foundations.

A hand auger was used to advance the boreholes to different depths noted on the boring logs. Dynamic Cone Penetrometer (DCP) test were 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 a distance of 1.75 inches is termed the DCP Value and is indicated for each test on the hand auger. Please see the attached sketch and data sheet for details.

A total of 5 hand auger/DCP evaluation(s) were performed to a depth of approximately 3 feet below the current sub grade elevation. Soil encountered Gray Sandy Orange Clay. DCP blow counts ranged from 6 to 12 blows per increment. It is to the opinion of ECS that the materials in place at test locations in the foundation did appear to be suitable to support the design bearing capacity 2000 psf.

Please see sketch for DCP evaluation locations.

ECS will return, as requested, to perform additional services.



James Mauldin November 06 2018 222 Stock Market dr Proj #4625 W/O # 49025 <u>Key</u>

DCP Evaluation Location







# **Report of Spread Footing - Foundation Observations**

Project: Marketplace Lot 10	Project No. 4625	
Location: 222 Stock Market Dr	Day/Date: 11/06/18	
Broadway - Lee County - NC - 27505	•	

Contractor: Pride Homes

		Size (V	V x H x L)	Footing Bottom Elevation			Required Blow Counts	
Footing Number	Location	Design	Actual	Design	Depth of Undercut (in)	Descriptio Subgra Materi	de # of Blows / increment	Design Bearing Pressure
1	1	хх	хх	N/A	0 .	Sand	y clay 6	
							6,7,7	
1	1	хх	хх	N/A	-1 .	Sand	y clay 6	_
							8,9,8	
1	1	хх	хх	N/A	<b>-</b> 2 .	Sand	y clay 6	4
							9,9,10	
1	1	хх	хх	N/A	-3 .	Sand	y clay 6	4
							12,11,12	
2	2	хх	хх	N/A	0 .	Sand	y clay 6	_
							6,6,7	
2	2	хх	хх	N/A	-1 .	Sand	y clay 6	4
							8,8,7	
2	2	хх	хх	N/A	-2 .	Sand	y clay 6	4
							9,9,10	
2	2	хх	хх	N/A	-3 .	Sand	y clay 6	-
							10,10,11	1
3	3	хх	хх	N/A	0 .	Sand	y clay 6	_
							7,7,7	

Ву:	James Mauldin, Jr.
	FCS Southeast LLP



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	: 222 Stock Market Dr	Day/Date:	11/06/18
	Broadway - Lee County - NC - 27505	•	

Contractor: Pride Homes

		Size (W x H x L)		Footing Bottom Elevation		Size (W x H x L) Footing Botton			Required Blow Counts	
Footing Number	Location	Design	Actual	Design	Depth of Undercut (in)	Description of Subgrade Material	# of Blows / increment	Design Bearing Pressure		
3	3	хх	хх	N/A	-1 .	Sandy clay				
							9,9,8			
3	3	хх	хх	N/A	<b>-</b> 2 .	Sandy clay		1		
							9,10,10			
3	3	хх	хх	N/A	-3 .	Sandy clay	6			
Ŭ							12,12,11			
3	4	хх	хх	N/A	0 .	Sandy clay	6			
<b> </b>							7,7,6			
3	4	хх	хх	N/A	-1 .	Sandy clay	6			
3							8,8,9			
3	4	хх	хх	N/A	-2 .	Sandy clay	6			
3							9,9,10			
3	4	хх	хх	N/A	-3 .	Sandy clay	6			
3							10,11,12			
_	5	хх	хх	N/A	0.	Sandy clay	6			
5							7,8,7	1		
_	5	хх	хх	N/A	-1 .	Sandy clay	6	<b>i</b>		
5							9,9,8	1		

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5	5	хх	хх	N/A	-2 .	Sandy clay	6	
							10,10,11	
5	5	хх	хх	N/A	-3 .	Sandy clay	6	
							12,12,11	

By: James Mauldin, Jr.

ECS Southeast, LLP