

### ECS Southeast, LLP

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

### LETTER OF TRANSMITTAL

September 11, 2019

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

ATTN: Joe Perkins

RE: Clark Lot

ECS Job # 33:4967

Permits:

Location: 360

366 Clark rd

Lillington, NC

We are enclosing:

Y Field Reports

X For your use

X As requested

ENCL:

Field Report #1

09/10/2019

Dennis D Lowery, 043840 SEP 11 2019

Project Engineer

Donny Johnson

Field Services Manager

#### Disclaime

- 1. This report (and any attachments) shall not be reproduced except in full without prior written approval of ECS.
- 2. The information in this report relates only to the activities performed on the report date.
- 3. Where appropriate, this report includes statements as to compliance with applicable project drawings and specifications for the activities performed on this report date.
- 4. Incomplete or non-conforming work will be recorded for future resolution.
- 5. The results of samples and/or specimens obtained or prepared for subsequent laboratory testing will be presented in separate reports/documents.



#### ECS Southeast, LLP

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Project

Clark Lot

Location

Lillington, NC

Client

Pride Homes - Joe Perkins

FIELD REPORT

Project No.

33:4967

Report No.

Day & Date

Tuesday 09/10/2019

Weather

92°/ Sunny

On-Site Time

2.25 0.00

Lab Time Travel Time\*

2.00

Total

4.25 0.00

Re Obs.Time

Remarks

Trip Charges\*

Tolls/Parking\*

Mileage\*

Time of

Arrival

Departure

04:30P

02:15P

Chargeable Items

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.

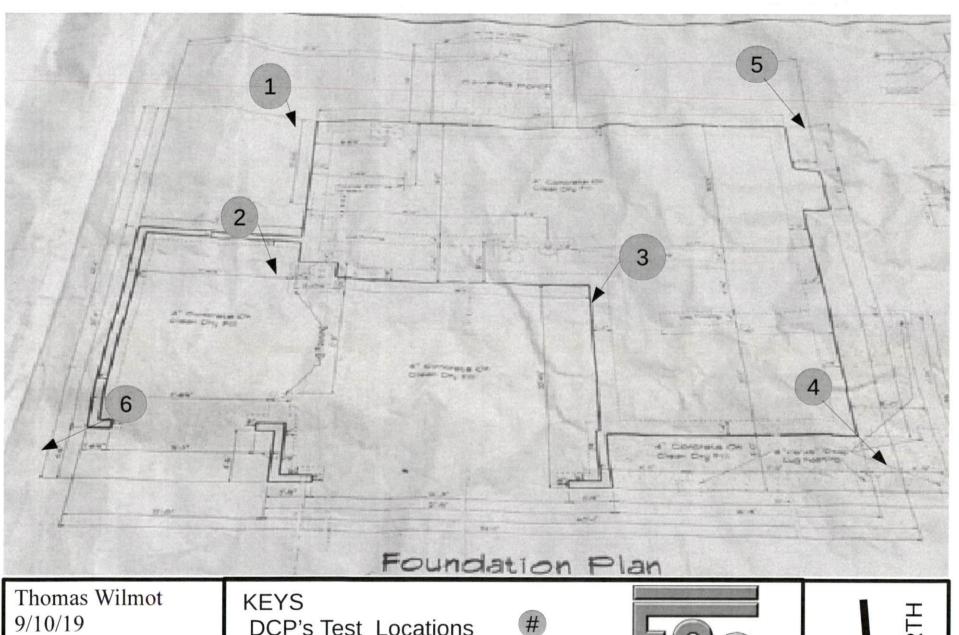
A hand auger was used to advance the boreholes to different depths noted on the boring logs. Dynamic Cone Penetrometer (DCP) test were performed in the hand auger boreholes by a 1.5 inch diameter cone driven into the soil by a 15 pound ring weight with a free fall of 20 inches. The number of blows required 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 6 hand auger/DCP evaluation(s) were performed to a depth of approximately 3 feet below the current sub grade elevation. DCP blow counts ranged from 7 to 25+ 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 a design bearing capacity 2000 psf.

Please see sketch for DCP evaluation locations.

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

<sup>\*</sup> Travel time and mileage will be billed in accordance with the contract.



366 Clark Rd Proj # 4967 W/O # 53507

DCP's Test Locations







# Report of Spread Footing - Foundation Observations

	4967	_
Location: 366 Clark rd  Day/Date: 09/	09/10/2019	

Contractor:	None Listed

		Size (V	V x H x L)	Footing Bott	om Elevation		Required Blow Counts	
Footing Number	Location	Design	Actual	Design	Depth of Undercut (in)	Description of Subgrade Material	# of Blows / increment	Design Bearing Pressure
1	south east comer	x x	x x	N/A	0 .	Grey Clay Sand		2000
1	south east corner	x x	x x	N/A	-1 .	Orange Brown Sand clay		2000
1	south east corner	хх	x x	N/A	-2 .	Orange Brown Sand clay		2000
1	south east corner	хх	x x	N/A	-3 .	Orange Brown Sand clay		2000
2	east middle	x x	x x	N/A	0 .	Grey Clay Sand		2000
2	east middle	хх	x x	N/A	-1 .	Orange Brown Sand Clay		2000
2	east middle	хх	x x	N/A	-2 .	Orange Brown Sand Clay		2000
2	east middle	x x	хх	N/A	-3 .	Orange Brown Sand Clay		2000
3	middle	хх	хх	N/A	0 .	Grey Clay Sand		2000

Ву:	Thomas Allen Wilmot							
	ECS Southeast, LLP							



# Report of Spread Footing - Foundation Observations

roject:	Clark Lot	Project No.	4967	
	: 366 Clark rd	Day/Date:	09/10/2019	
	Lillington - Harnett - NC - 27546			

Contractor:	None Listed

		Size (V	V x H x L)	Footing Bott	om Elevation		Required Blow Counts	
Footing Number	Location	Design	Actual	Design	Depth of Undercut (in)	Description of Subgrade Material	# of Blows / increment	Design Bearing Pressure
3	middle	хх	x x	N/A	-1 .	Orange Brown Sand Clay		2000
3	middle	хх	x x	N/A	-2 .	Orange Brown Sand Clay		2000
3	middle	хх	x x	N/A	-3 .	Orange Brown Sand Clay		2000
4	Northwest	x x	хх	N/A	0 .	Grey Clay Sand		2000
4	Northwest	хх	хх	N/A	-1 .	Orange brown Sand clay		2000
4	Northwest	хх	хх	N/A	-2 .	Orange brown Sand clay		2000
4	Northwest	хх	x x	N/A	-3 .	Orange brown Sand clay		2000
5	Southwest	хх	x x	N/A	0 .	Grey Clay Sand		2000
5	Southwest	хх	хх	N/A	-1 .	Orange Brown Sand Clay		2000

v:	Thomas Allen Wilmot							
	ECS Southeast, LLP							



### Report of Spread Footing - Foundation Observations

Project: Clark Lot	Project No.	4967	
Location: 366 Clark rd	Day/Date:	09/10/2019	
Lillington - Harnett - NC - 27546			

Contractor:	None Listed

		Size (V	V x H x L)	Footing Bott	om Elevation		Required Blow Counts	
Footing Number	Location	Design	Actual	Design	Depth of Undercut (in)	Description of Subgrade Material	# of Blows / increment	Design Bearing Pressure
5	Southwest	хх	x x	N/A	-2 .	Orange Brown Sand Clay	6 5,7,11	2000
5	Southwest	x x	x x	N/A	-3 .	Orange Brown Sand Clay	6 7,11,14	2000
6	Northeast corner	хх	хх	N/A	0 .	Grey Clay Sand	the same of the sa	2000
6	Northeast corner	хх	хх	N/A	-1 .	Orange Brown Sand Clay	6 5,8,11	2000
6	Northeast corner	хх	x x	N/A	-2 .	Orange Brown Sand Clay	6 6,9,12	2000
6	Northeast corner	хх	x x	N/A	-3 .	Orange Brown Sand Clay	6 7,10,13	2000

Ву:	Thomas Allen Wilmot					
	ECS Southeast, LLP					