ECS Southeast, LLP 6151 Raeford Road Suite A Fayetteville, NC 28304 (910) 401-3288 [Phone] (910) 323-0539 [Fax]	LETTER OF TRANSMITTAL
February 11, 2019	RE: McDougald Lot
Josh Sturtz Homes 531 Shawcroft Rd	ECS Job # 33:4635-B
Fayetteville, NC 28311	Permits: Location: 3204 McDougald Rd
ATTN: Mr. Josh Sturtz	Lillington, NC
We are enclosing: <u>X</u> Field Reports <u>X</u>	For your use X As requested

ENCL:

Field Report # 1 02/0

02/05/2019

R С Dennis D'Llowe 2019 Project Engineer 0 OWER WERY

Donny Johnson Field Services Manager

Disclaimer

- 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.

EC	ECS Southeast, LL 6151 Raeford Road Suite A Fayetteville, NC 28304				FIELD F	REPORT	
)) 401-3288 [Phone])) 323-0539 [Fax]			Project No.	33:4635-В	
	тм	(,				1	
Project	McDougal	d Lot			Day & Date	Tuesday 02/05/2019	
Location	Lillington,	NC			Weather	41°/ Cloudy	
Client	Josh Sturtz	z Homes - Josh Sturtz		On-Site Time	1.50		
•						0.25	
						1.50	
					Total	3.25	
Remarks					Re Obs.Time	0.00	
Trip Charge	s*	Tolls/Parking*	Mileage*	80	Time of Ari	ival Departure	
Chargeable	Items	· ·	C C		07:	15A 08:45A	
2		* Travel time and mileage	will be billed in acc	ordance	with the contract.		

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

An ECS representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/dcp method for foundations home. Please see the attached sketch.

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.

A total of (4)hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the current sub grade elevation. DCP blow counts ranged from 4 to 18 blows per increment.

It is to the opinion of ECS that the materials in place at the locations and elevations tested do appear to be suitable to support the design bearing capacity of (2000) psf.

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

Report of Spread Footing - Foundation Observations

Project: McDougald Lot

Location: 3204 McDougald Rd

Lillington - Harnett - NC - 27546

Contractor: None Listed

		Size (V	V x H x L)	Footing Bottom Elevation				Required Blow Counts	
Footing Number	Location	Design	Actual	Design	Depth of Undercut (in)	Description of Steel Placed	Description of Subgrade Material	# of Blows / increment	Design Bearing Pressure
1	foundation of home	хх	хх	2000	0.		orange clay sand	6 3,4,5	2000
1	foundation of home	хх	хх	2000	-1 .		orange clay sand	6 6,12,14	2000
1	foundation of home	хх	хх	2000	-2 .		grey sand	6 13,14,12	2000
1	foundation of home	ХХ	хх	2000	-3.		grey sand	6 11,10,13	2000
2	foundation of home	ХХ	хх	2000	0.		orange clay sand	6 5,7,7	2000
2	foundation of home	хх	хх	2000	-1 .		orange clay sand	6 8,12,12	2000
2	foundation of home	хх	хх	2000	-2 .		orange clay sand	6 18,12,11	2000
2	foundation of home	хх	хх	2000	-3.		orange clay sand	6 12,13,11	2000
3	foundation of home	хх	хх	2000	0.		orange clay sand	6 3,4,4	2000

By: Gage Thomas Griffin

ECS Southeast, LLP

Project No. 4635-B

Day/Date: _02/05/2019



Report of Spread Footing - Foundation Observations

Project: McDougald Lot

EC

Location: 3204 McDougald Rd

Lillington - Harnett - NC - 27546

Contractor: None Listed

Project No. 4635-B

Day/Date: _02/05/2019

		Size (V	V x H x L)	Footing Bottom 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	foundation of home	хх	хх	2000	-1 .		orange clay		2000
							sand	8,8,11	
3	foundation of home	хх	хх	2000	-2 .		grey sand	6	2000
								12,15,16	
3	foundation of home	хх	хх	2000	-3.		grey sand	6	2000
								14,16,12	2000
1	foundation of home	хх	хх	2000	0.		orange clay	6	2000
-							sand	4,4,5	2000
1	foundation of home	хх	хх	2000	-1.		grey sand	6	2000
4								11,13,16	2000
1	foundation of home	хх	x x x x	2000	-2 .		grey sand	6	2000
4								10,12,11	
4	foundation of home	хх	хх	2000	-3.		grey sand	6	2000
4									12,14,13

By: Gage Thomas Griffin

ECS Southeast, LLP

