



**ECS Southeast, LLP**

6151 Raeford Road, Suite A  
Fayetteville, NC 28304  
9104013288  
9103230539

**LETTER OF TRANSMITTAL**

April 20, 2021  
Marketplace Builders, LLC  
  
Hope Mills, NC 28348  
ATTN: Mr. Chris Roberts

RE: **Mockingbird Lot**  
ECS Job # **33:5465**  
  
Permits:  
Location: **155 Mockingbird Lane**  
**Spring Lake, NC 28390**

Field Reports       For your use       As requested

CC:

ENCL:    Field Report # 2                      4/20/2021

Jack Edgar Cowsert, P.E.  
Senior Project Engineer

Ryan H. Parrish  
Construction Materials Project 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 reported 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  
 6151 Raeford Road, Suite A  
 Fayetteville, NC 28304  
 (910) 401-3288 [Phone]  
 (910) 323-0539 [Fax]

## FIELD REPORT

Project **Mockingbird Lot**  
 Location **Spring Lake, NC**  
 Client **Marketplace Builders, LLC**  
 Contractor **Marketplace Builders, LLC**

Project No. **33:5465**  
 Report No. **2**  
 Day & Date **Tuesday 4/20/2021**  
 Weather **59 ° / Sunny**  
 On-Site Time **2.25**  
 Lab Time **0.00**  
 Travel Time\* **0.00**  
 Total **2.25**  
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			<b>7:30A</b>	<b>9:45A</b>

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

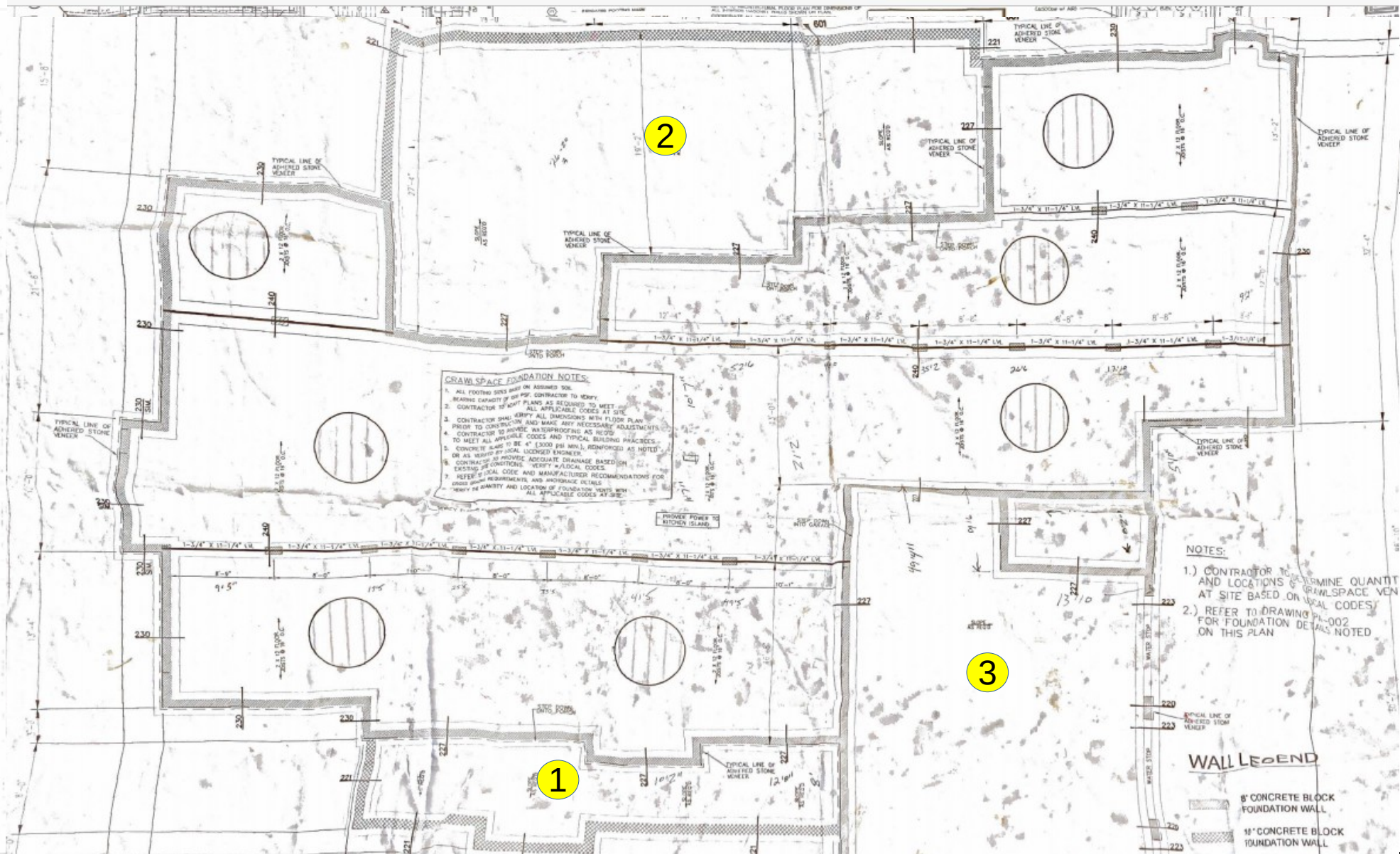
**Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.**

The ECS Representative arrived on site, as requested, to check stability of soils via hand auger/DCP method for front and back porch as well as the garage. Please see the attached sketch and data sheet for details.

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 3 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the current footing sub grade elevation. Test results indicate that soils, at the areas and elevations tested, should be capable of supporting a the design slab on grade with the exception of the rear porch. There appeared to be low blow counts at a depth of one foot below the subgrade elevation. Based on our test data, ECS recommends adding wire mesh reinforcement during the placement during the placement of concrete to add additional support.

ECS will return, as requested, for additional services.



Kyle Adair  
 4/20/2021  
 Mockingbird Lot  
 Proj # 5465  
 W/O # 60841

**Key (NTS)**  
 DCP Locations

#



**NORTH**



## Report of Spread Footing - Foundation Observations

Project: Mockingbird Lot  
 Location: 155 Mockingbird Lane  
Spring Lake - Harnett - NC - 28390  
 Contractor: Marketplace Builders, LLC

Project No.: 33:5465  
 Day/Date: 4/20/2021

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Steel Placed	Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure
		Design	Actual	Design **	Depth of Undercut (in)			# of Blows / Increment	
1	front porch	x x	x x	N/A	0		tan clayey sand	6 14,7,6	0
1	front porch	x x	x x	N/A	-1		orange sand	6 4,5,8	0
1	front porch	x x	x x	N/A	-2		orange sand	6 4,5,5	0
1	front porch	x x	x x	N/A	-3		orange sand	6 7,8,6	0
2	back porch	x x	x x	N/A	0		tan clayey sand	6 25+	0
2	back porch	x x	x x	N/A	-1		orange sand	6 4,4,4	0
2	back porch	x x	x x	N/A	-2		orange sand	6 7,7,11	0
2	back porch	x x	x x	N/A	-3		brown natural sand	6 9,9,11	0
3	garage	x x	x x	N/A	0		tan clayey sand	6 12,13,16	0
3	garage	x x	x x	N/A	-1		orange sand	6 25+	0
3	garage	x x	x x	N/A	-2		orange sand	6 8,7,7	0



## Report of Spread Footing - Foundation Observations

Project: Mockingbird Lot  
 Location: 155 Mockingbird Lane  
Spring Lake - Harnett - NC - 28390  
 Contractor: Marketplace Builders, LLC

Project No.: 33:5465  
 Day/Date: 4/20/2021

3	garage	x x	x x	N/A	-3		orange clay sand	6 9,7,9	0
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\*\* SGE: Subgrade Elevation to be determined by surveyor.

By: Kyle Adair  
ECS Southeast, LLP

WO: 60841