*NC Registered Firm # F-1078*

**ECS Southeast, LLP**
6151 Raeford Road, Suite A
Fayetteville, NC 28304
9104013288
9103230539

# LETTER OF TRANSMITTAL

June 12, 2023
W.S. Wellons Realty
PO Box 766
Spring Lake, NC 28390

ATTN: Chandler Jones

RE: **Lot 539 OHC**
ECS Job # **33:6230-A**

Permits:
Location: **272 Caldwell St**
**Spring Lake, NC 28390**

**X** Field Reports **X** For your use **X** As requested

CC:

ENCL: Field Report # 1 6/8/2023

NORTH CAROLINA PROFESSIONAL SEAL 15382 ENGINEER JACK F. COWSERT

JUN 12 2023

Jack Cowsert, PE
Office Manager

Aaron Kyle Adair
Team Leader

*NC Registered Engineering Firm # F-1078*

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

# FIELD REPORT

| | |
|---|---|
| Project | **Lot 539 OHC** |
| Location | **Spring Lake, NC** |
| Client | **W.S. Wellons Realty** |
| Contractor | **W.S. Wellons Realty** |

| | |
|---|---|
| Project No. | **33:6230-A** |
| Report No. | **1** |
| Day & Date | **Thursday 6/8/2023** |
| Weather | **68 °/ Cloudy** |
| On-Site Time | **1.75** |
| Lab Time | **0.25** |
| Travel Time* | **1.00** |
| Total | **3.00** |
| Re Obs Time | **0.00** |

Remarks

| | | | | | | |
|---|---|---|---|---|---|---|
| Trip Charges* | Tolls/Parking* | Mileage* | **50** | Time of | Arrival | Departure |
| Chargeable Items | | | | | **10:30A** | **12:15P** |

* 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.**

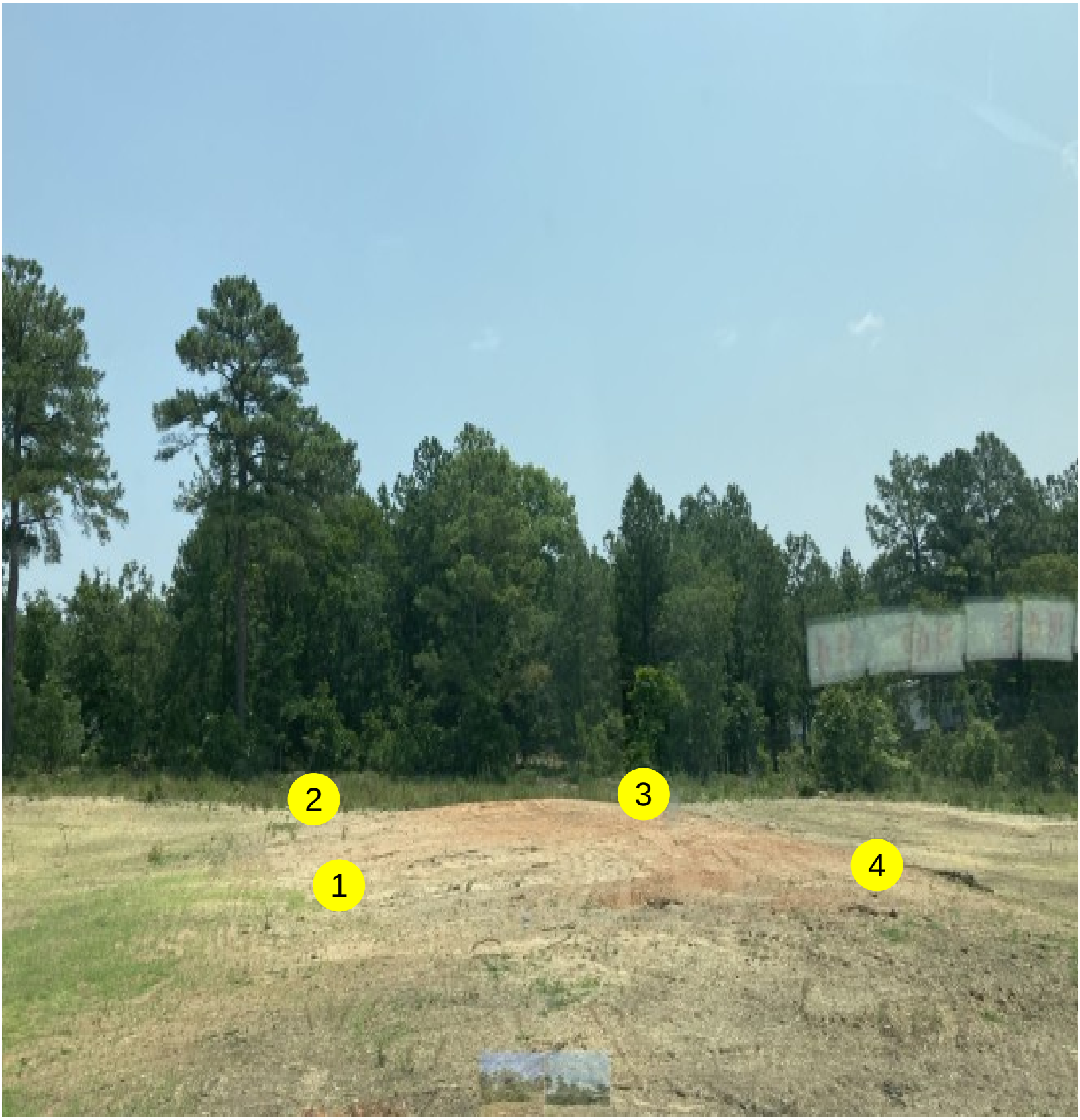
ECS Representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method (ASTM STP-399) for preliminary observations. Please see the attached sketch and data sheet for details.

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 4 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the current footing sub grade elevation. Test results indicated that the materials in place (at the locations and elevations tested) did appear to be suitable to support the design bearing capacity of 2,000 psf.

ECS will return, as requested, for additional services.

**By Harvey Lamar Sangster** 1800




Harvey Sangster
6/8/2023
Lot 539 OHC
Poj # 6230-A
W/O # 72557

**KEY**

\# DCP Location

NC Registered Firm # F-1078

# Report of Spread Footing - Foundation Observations

Project: Lot 539 OHC
Location: 272 Caldwell St
Spring Lake - Cumberland - NC - 28390
Contractor: W.S. Wellons Realty

Project No.: 33:6230-A
Day/Date: 6/8/2023

| 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 | S W corner of Lot 539 OHC | x x | x x | N/A | N/A | | (0/-3)Tan Greyish SAND | 6<br>(0)13,25+(-1)25+(-2)12,15,14(-3)11,6,6 | 2000 |
| 2 | N W corner of Lot 539 OHC | x x | x x | N/A | N/A | | (0/-1)Orangish Grey Sandy CLAY(-2/-3)Tanish Grey SAND | 6<br>(0)12,13,13(-1)17,14,15(-2)10,13,11(-3)9,7,6 | 2000 |
| 3 | N E corner of Lot 539 OHC | x x | x x | N/A | N/A | | (0/-1)Grey Clay SAND(-2/-3)Orange Sandy CLAY | 6<br>(0)13,9,6(-1)10,7,10(-2)9,9,9(-3)8,7,7 | 2000 |
| 4 | S E corner of Lot 539 OHC | x x | x x | N/A | N/A | | (0/-3)Tan Greyish Sand | 6<br>(0)15,12,15(-1)13,13,12(-2)11,9,9(-3)8,7,9 | 2000 |

** SGE: Subgrade Elevation to be determined by surveyor.

By: Harvey Lamar Sangster

ECS Southeast, LLP

WO: 72557