| ECS Southeast, LLP<br>6151 Raeford Road<br>Suite A<br>Fayetteville, NC 28304<br>(910) 401-3288 [Phone]<br>(910) 323-0539 [Fax] | LETTER OF TRANSMITTAL                                                    |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--|--|--|--|--|
| August 16, 2019                                                                                                                | RE: 15 Rainmaker St                                                      |  |  |  |  |  |
| Ivercon, Inc<br>PO Box 64778<br>Fayetteville, NC 28306<br>ATTN: Troy Iverson                                                   | ECS Job # 33:4931<br>Permits:<br>Location: 15 Rainmaker St<br>Linden, NC |  |  |  |  |  |
| We are enclosing: <u>X</u> Field Reports                                                                                       | X For your use X As requested                                            |  |  |  |  |  |

Field Report # 1

08/14/2019

С ES Dennis D **E**ow Project Engineer 5 2019

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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.

5. The results of samples and/or specimens obtained or prepared for subsequent laboratory testing will be presented in separate reports/documents.

<sup>3.</sup> Where appropriate, this report includes statements as to compliance with applicable project drawings and specifications for the activities performed on this report date.

<sup>4.</sup> Incomplete or non-conforming work will be recorded for future resolution.

| Er               | ECS Southeast, LLP<br>6151 Raeford Road<br>Suite A<br>Fayetteville, NC 28304 |                                                | FIELD REPORT          |          |                           |                      |              |   |  |
|------------------|------------------------------------------------------------------------------|------------------------------------------------|-----------------------|----------|---------------------------|----------------------|--------------|---|--|
|                  |                                                                              | (910) 401-3288 [Phone]<br>(910) 323-0539 [Fax] |                       |          | Project No.<br>Report No. |                      | 33:4931<br>1 |   |  |
| Project          | 15 Rainmaker St                                                              |                                                |                       | Day & Da | ate                       | Wednesday 08/14/2019 |              |   |  |
| Location         | Linden, NC                                                                   | Linden, NC                                     |                       |          | Weather                   |                      | 98°/ Sunny   |   |  |
| Client           | Ivercon, Inc - Troy Iverson                                                  |                                                |                       |          | On-Site Time<br>Lab Time  |                      | 1.75         |   |  |
|                  |                                                                              |                                                |                       |          |                           |                      | 0.00<br>1.00 |   |  |
|                  |                                                                              |                                                | Travel Time           |          | me*                       |                      |              |   |  |
|                  |                                                                              |                                                |                       |          | Total                     |                      | 2.75         |   |  |
| Remarks          |                                                                              |                                                | Re Obs.Time           |          | Гime                      | 0.00                 |              |   |  |
| Trip Charge      | es* T                                                                        | olls/Parking*                                  | Mileage*              | 44       | Time of                   | Arriva               | al Departur  | e |  |
| Chargeable Items |                                                                              | -                                              | -                     |          |                           | 01:00                | OP 02:45P    | , |  |
|                  | * T                                                                          | ravel time and mileage                         | will be billed in acc | ordance  | with the con              | itract.              |              |   |  |

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

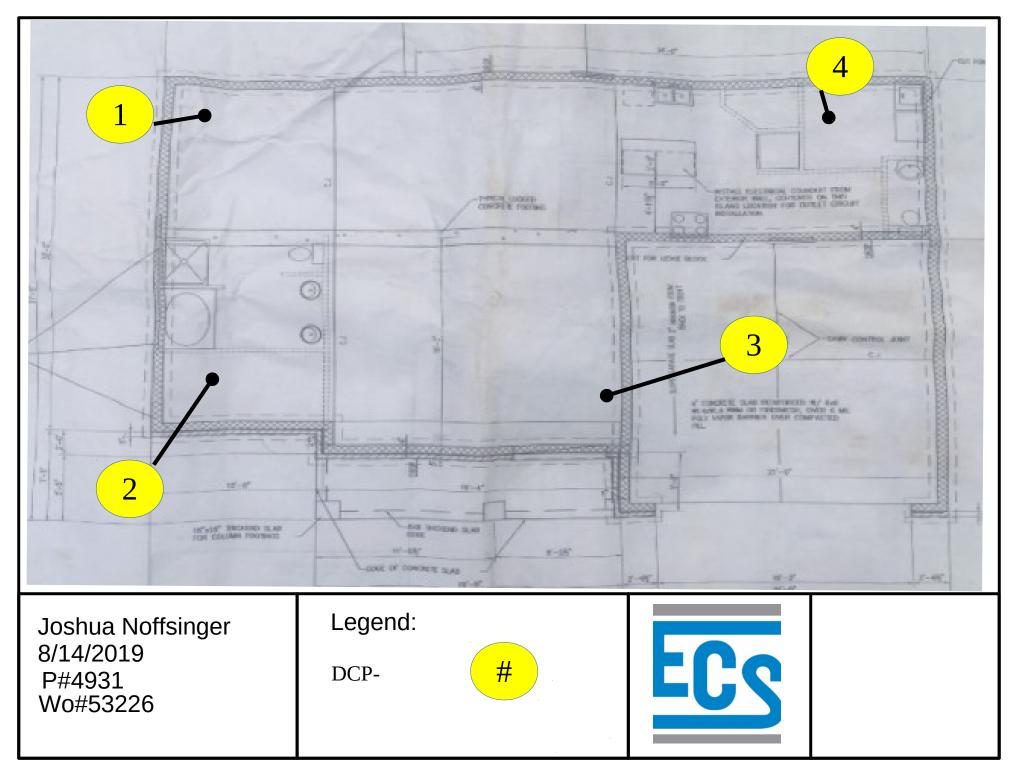
The undersigned arrived on site, as requested, to observe and evaluate the bearing capacity of soils via hand auger/dcp method for foundations of 20 Rainmaker Street.

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 4 hand auger/DCP evaluation(s) were performed to a depth of approximately 3 feet below the current sub grade elevation. Soil encountered was Orange/Tan Sand, and Black/Brown Sand. DCP blow counts ranged from 7 to 15 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 3000 psf.

Please see sketch for DCP evaluation locations.

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



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

Project: 15 Rainmaker St

Location: 15 Rainmaker St

Linden - Harnett - NC - 28356

Contractor: None Listed

Size (W x H x L) Footing Bottom Elevation **Required Blow Counts** Description of Design Depth of Description of Footing Bearing Design Subgrade # of Blows / increment Location Design Actual Undercut (in) Steel Placed Number Pressure Material 9 N/A 0 Orange/Tan 1 хх хх 2000 1 Sand 7,9,8 9 N/A -1 Orange/Tan 1 хх хх 2000 1 Sand 9,10,11 9 N/A -2 Orange/Tan 1 ХХ ХХ 2000 1 Sand 10,11,11 9 N/A -3 Black/Brown 1 хχ хх 1 2000 Sand 10,11,11 Orange/Tan 9 N/A 0 1 хх ХХ 2 2000 Sand 9,8,9 9 N/A Orange/Tan хχ -1 1 хх 2 2000 Sand 10,10,9 9 Orange/Tan N/A -2 хχ хх 2 2000 Sand 11,10,10 9 N/A -3 Black/Brown 1 хх хх 2 2000 Sand 12,11,11 Orange/Tan 9 N/A 0 1 хх хх 3 2000 Sand 8,8,9

By: Josh Noffsinger

ECS Southeast, LLP



Project No. <u>4931</u> Day/Date: <u>08/14/2019</u>

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

Project: 15 Rainmaker St

Location: 15 Rainmaker St

Linden - Harnett - NC - 28356

Contractor: None Listed

Size (W x H x L) Footing Bottom Elevation Required Blow Counts Design Description of Depth of Description of Footing Bearing Design Subgrade # of Blows / increment Location Design Actual Undercut (in) Steel Placed Number Pressure Material 9 N/A -1 Orange/Tan 1 хх хх 3 2000 Sand 9,8,9 9 -2 1 хх N/A Orange/Tan хх 2000 3 Sand 10,9,9 9 N/A -3 Black/Brown 1 хх хх 3 2000 Sand 10,10,11 9 N/A 0 Orange/Tan 1 хχ хх 4 2000 Sand 9,10,10 9 N/A Orange/Tan 1 -1 хх хх 4 2000 Sand 11,11,12 -2 9 N/A Black/Brown хχ хх 1 4 2000 Sand 13,12,13 9 N/A -3 Black/Brown хχ хх 4 2000 Sand 15,14,14

By: Josh Noffsinger

ECS Southeast, LLP



Project No. 4931

Day/Date: 08/14/2019