

# NORTH CAROLINA LICENSING BOARD FOR GENERAL CONTRACTORS

## A REQUEST FOR CERTIFIED COPIES OF BUILDING INSPECTION RECORDS

In the Matter of: Carolina Builders Group of Sanford, LLC

License No.: 78698

Complaint File No.: 19-C-400

As employee of the Harnett County City/County Inspection Department

and states under oath that the attached 33 sheets to be a true and accurate

authentic copy of the building permit records for the following address:

1) 5311 Christian Light Road, Fuquay Varina, NC (New SFD)

This information was requested by Joel Macon, Field Investigator for the North Carolina Licensing Board for General Contractors.

This the 9 day of June 2022.



x

Donna Johnson

Signature of Person Completing Form

Print Name:

Title:

Address:

Signed and sworn to before me this day  
9 of June, 2022

by Donna Johnson

x Theresa M. Jones

Notary Public

Printed Name of Notary:

Theresa M. Jones

My Commission Expires:

3-1-26

**PLEASE RETURN TO:**

**Scan & Email to:**

joelmacon@ncibgc.org

**or US Mail to:**

Joel Macon, Investigator

P.O. Box 413

Carolina Beach, NC 28428

Initial Application Date: 10/13/17

Application # 17-50042542

CU# \_\_\_\_\_

**COUNTY OF HARNETT RESIDENTIAL LAND USE APPLICATION**

Central Permitting 108 E. Front Street, Lillington, NC 27546 Phone: (910) 893-7525 ext:2 Fax: (910) 893-2793 www.harnett.org/permits

**"A RECORDED SURVEY MAP, RECORDED DEED (OR OFFER TO PURCHASE) & SITE PLAN ARE REQUIRED WHEN SUBMITTING A LAND USE APPLICATION"**

LANDOWNER: Rob + Amber TESSIER Mailing Address: 32 Woodhart Circle  
City: FOURWAY VARIANA State: NC Zip: 27546 Contact No: 919-650-8236 Email: rtessierwms@gmail.com

APPLICANT\*: SAME Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Contact No: \_\_\_\_\_ Email: \_\_\_\_\_

\*Please fill out applicant information if different than landowner

CONTACT NAME APPLYING IN OFFICE: \_\_\_\_\_ Phone # \_\_\_\_\_

PROPERTY LOCATION: Subdivision: Kevin Pfeifer Lot #: 1 Lot Size: 3.34

State Road # 1412 State Road Name: Christian Light Road Map Book & Page: 2016 / 388

Parcel: 050633 006 07 PIN: 0633-89-3706.000

Zoning: RA-30 Flood Zone: X Watershed: GIS Deed Book & Page: 3514 / 189 Power Company\*: \_\_\_\_\_

\*New structures with Progress Energy as service provider need to supply premise number \_\_\_\_\_ from Progress Energy.

**PROPOSED USE:**

☒ SFD: (Size 61 x 47) # Bedrooms: 4 # Baths: 3 Basement(w/wo bath): 0 Garage: 3 Deck: \_\_\_\_\_ Crawl Space: X Slab: \_\_\_\_\_ Monolithic Slab: \_\_\_\_\_  
(Is the bonus room finished? X) yes ( ) no w/ a closet? ( ) yes X no (if yes add in with # bedrooms)

☐ Mod: (Size \_\_\_\_\_ x \_\_\_\_\_) # Bedrooms \_\_\_\_\_ # Baths \_\_\_\_\_ Basement (w/wo bath) \_\_\_\_\_ Garage: \_\_\_\_\_ Site Built: Deck: \_\_\_\_\_ On Frame \_\_\_\_\_ Off Frame \_\_\_\_\_  
(Is the second floor finished? ( ) yes ( ) no Any other site built additions? ( ) yes ( ) no

☐ Manufactured Home: \_\_\_\_\_ SW \_\_\_\_\_ DW \_\_\_\_\_ TW (Size \_\_\_\_\_ x \_\_\_\_\_) # Bedrooms: \_\_\_\_\_ Garage: \_\_\_\_\_ (site built? \_\_\_\_\_) Deck: \_\_\_\_\_ (site built? \_\_\_\_\_)

☐ Duplex: (Size \_\_\_\_\_ x \_\_\_\_\_) No. Buildings: \_\_\_\_\_ No. Bedrooms Per Unit: \_\_\_\_\_

☐ Home Occupation: # Rooms: \_\_\_\_\_ Use: \_\_\_\_\_ Hours of Operation: \_\_\_\_\_ #Employees: \_\_\_\_\_

☐ Addition/Accessory/Other: (Size \_\_\_\_\_ x \_\_\_\_\_) Use: \_\_\_\_\_ Closets in addition? ( ) yes ( ) no

Water Supply: X County \_\_\_\_\_ Existing Well \_\_\_\_\_ New Well (# of dwellings using well \_\_\_\_\_) \*Must have operable water before final

Sewage Supply: X New Septic Tank (Complete Checklist) \_\_\_\_\_ Existing Septic Tank (Complete Checklist) \_\_\_\_\_ County Sewer

Does owner of this tract of land, own land that contains a manufactured home within five hundred feet (500') of tract listed above? ( ) yes X no

Does the property contain any easements whether underground or overhead ( ) yes X no

Structures (existing or proposed): Single family dwellings: 0 Manufactured Homes: 0 Other (specify): 0

**Required Residential Property Line Setbacks:**

	Minimum	Actual
Front	<u>35</u>	<u>44'</u>
Rear	<u>25</u>	<u>95'</u>
Closest Side	<u>10</u>	<u>33'</u>
Sidestreet/corner lot	<u>20</u>	<u>NA</u>
Nearest Building on same lot	<u>10</u>	<u>NA</u>

Comments: \_\_\_\_\_

SPECIFIC DIRECTIONS TO THE PROPERTY FROM LILLINGTON:

401 N. towards FURQUAY  
Left ON Christian Light Rd  
Stay ON Christian Light past Kipling Road  
Lot is on left BETWEEN JESSIE LEE LANE AND Hardee Rd.  
Existing home (C) 5237 Christian Light is the last house  
prior to the lot.

If permits are granted I agree to conform to all ordinances and laws of the State of North Carolina regulating such work and the specifications of plans submitted. I hereby state that foregoing statements are accurate and correct to the best of my knowledge. Permit subject to revocation if false information is provided.

Robert Tessier

Signature of Owner or Owner's Agent

10/10/17

Date

\*\*\*It is the owner/applicants responsibility to provide the county with any applicable information about the subject property, including but not limited to: boundary information, house location, underground or overhead easements, etc. The county or its employees are not responsible for any incorrect or missing information that is contained within these applications.\*\*\*

\*\*This application expires 6 months from the initial date if permits have not been issued\*\*



NAME: TessierAPPLICATION #: 17-50042542

\*This application to be filled out when applying for a septic system inspection.\*

**County Health Department Application for Improvement Permit and/or Authorization to Construct**

IF THE INFORMATION IN THIS APPLICATION IS FALSIFIED, CHANGED, OR THE SITE IS ALTERED, THEN THE IMPROVEMENT PERMIT OR AUTHORIZATION TO CONSTRUCT SHALL BECOME INVALID. The permit is valid for either 60 months or without expiration depending upon documentation submitted. (Complete site plan = 60 months; Complete plat = without expiration)

910-893-7525 option 1

CONFIRMATION # 89 10/13 024366☒ **Environmental Health New Septic System** Code 800

- **All property irons must be made visible.** Place "pink property flags" on each corner iron of lot. All property lines must be clearly flagged approximately every 50 feet between corners.
- Place "orange house corner flags" at each corner of the proposed structure. Also flag driveways, garages, decks, out buildings, swimming pools, etc. Place flags per site plan developed at/for Central Permitting.
- Place orange Environmental Health card in location that is easily viewed from road to assist in locating property.
- If property is thickly wooded, Environmental Health requires that you clean out the undergrowth to allow the soil evaluation to be performed. Inspectors should be able to walk freely around site. **Do not grade property.**
- **All lots to be addressed within 10 business days after confirmation. \$25.00 return trip fee may be incurred for failure to uncover outlet lid, mark house corners and property lines, etc. once lot confirmed ready.**
- After preparing proposed site call the voice permitting system at 910-893-7525 option 1 to schedule and use code 800 (after selecting notification permit if multiple permits exist) for Environmental Health inspection. Please note confirmation number given at end of recording for proof of request.
- Use Click2Gov or IVR to verify results. Once approved, proceed to Central Permitting for permits.

☐ **Environmental Health Existing Tank Inspections** Code 800

- Follow above instructions for placing flags and card on property.
- Prepare for inspection by removing soil over **outlet end** of tank as diagram indicates, and lift lid straight up (if possible) and then **put lid back in place.** (Unless inspection is for a septic tank in a mobile home park)
- **DO NOT LEAVE LIDS OFF OF SEPTIC TANK**
- After uncovering **outlet end** call the voice permitting system at 910-893-7525 option 1 & select notification permit if multiple permits, then use code 800 for Environmental Health inspection. Please note confirmation number given at end of recording for proof of request.
- Use Click2Gov or IVR to hear results. Once approved, proceed to Central Permitting for remaining permits.

**SEPTIC**

If applying for authorization to construct please indicate desired system type(s): can be ranked in order of preference, must choose one.

☒ Accepted      ☐ Innovative      ☐ Conventional      ☐ Any  
☐ Alternative      ☐ Other \_\_\_\_\_

The applicant shall notify the local health department upon submittal of this application if any of the following apply to the property in question. If the answer is "yes", applicant **MUST ATTACH SUPPORTING DOCUMENTATION**:

- ☐ YES ☒ NO Does the site contain any Jurisdictional Wetlands?
- ☐ YES ☒ NO Do you plan to have an irrigation system now or in the future?
- ☐ YES ☒ NO Does or will the building contain any drains? Please explain. \_\_\_\_\_
- ☐ YES ☒ NO Are there any existing wells, springs, waterlines or Wastewater Systems on this property?
- ☐ YES ☒ NO Is any wastewater going to be generated on the site other than domestic sewage?
- ☐ YES ☒ NO Is the site subject to approval by any other Public Agency?
- ☐ YES ☒ NO Are there any Easements or Right of Ways on this property?
- ☐ YES ☒ NO Does the site contain any existing water, cable, phone or underground electric lines?

If yes please call No Cuts at 800-632-4949 to locate the lines. This is a free service.

**I Have Read This Application And Certify That The Information Provided Herein Is True, Complete And Correct. Authorized County And State Officials Are Granted Right Of Entry To Conduct Necessary Inspections To Determine Compliance With Applicable Laws And Rules.****I Understand That I Am Solely Responsible For The Proper Identification And Labeling Of All Property Lines And Corners And Making The Site Accessible So That A Complete Site Evaluation Can Be Performed.**Rob Tessier

PROPERTY OWNERS OR OWNERS LEGAL REPRESENTATIVE SIGNATURE (REQUIRED)

10/10/17  
DATE

12/07/16 \_\_\_\_\_ 2010  
DATE \_\_\_\_\_  
THE POWER OF NATURE \_\_\_\_\_  
NAME Helen H.  
ADDRESS Rt. 1

E-011 ADDRESS - N/A  
PUBLIC UTILITIES OR OR 6" waterline available  
HOOK - Change of use will require driveway permit  
Dennis H. Moran 12-16-16  
SALESPERSON SALESPERSON DATE

Christine Wollan REVIEW OFFICER OF MARKET COUNCIL  
CERTIFY THAT THE MAP OR PLAN TO WHICH THE DEDICATION IS  
APPLIED MEETS ALL ESSENTIAL REQUIREMENTS FOR RECORDING.  
Christine Wollan 12/14/82  
REVIEW OFFICER DATE

GERALDINE EL TRUDELONE  
D.J. 901, PG. 180

I agree to accept Professional Bond Number No. 1-2242, fully to pay or  
reimburse the following or insurance loss:

<sup>a</sup>  $\chi^2$  statistic = 1.04,  $p = 0.31$ .

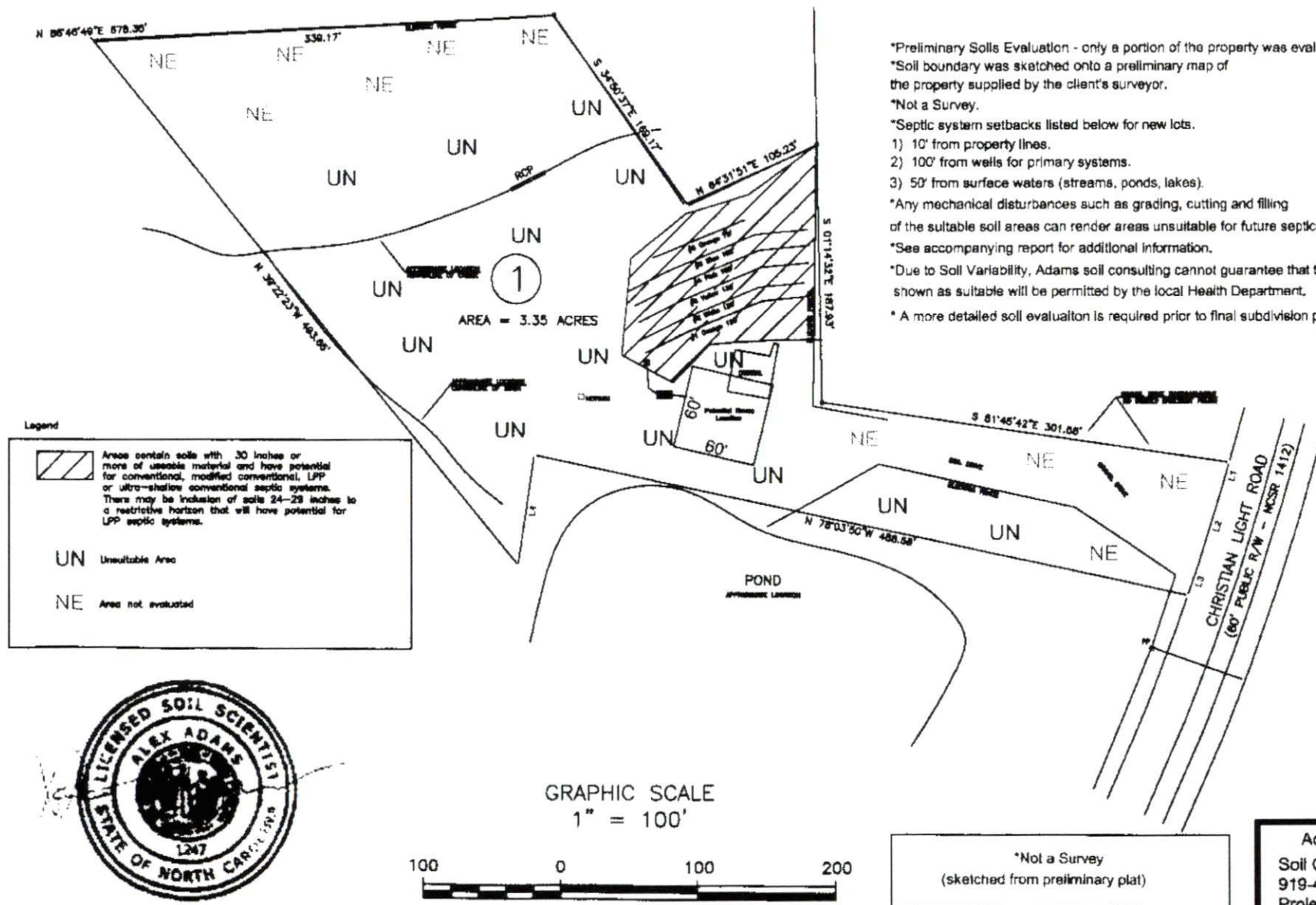
80 0 80 160 120  
GRAPHIC SCALE - FEET



# Preliminary Soil Evaluation Kevin and Christine Pfeifer Minor Subdivision - Lot #1, Christina Light Road Harnett County NC

GERALDINE B. TRUELVE  
D.B.901, PG.180

- \*Preliminary Soils Evaluation - only a portion of the property was evaluated.
- \*Soil boundary was sketched onto a preliminary map of the property supplied by the client's surveyor.
- \*Not a Survey.
- \*Septic system setbacks listed below for new lots.
  - 1) 10' from property lines.
  - 2) 100' from wells for primary systems.
  - 3) 50' from surface waters (streams, ponds, lakes).
- \*Any mechanical disturbances such as grading, cutting and filling of the suitable soil areas can render areas unsuitable for future septic systems.
- \*See accompanying report for additional information.
- \*Due to Soil Variability, Adams soil consulting cannot guarantee that the areas shown as suitable will be permitted by the local Health Department.
- \*A more detailed soil evaluation is required prior to final subdivision planning.



**Adams Soil Consulting  
1676 Mitchell Road  
Angier, NC 27501  
919-414-6761**

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November 22, 2016  
Project # 437

Mauldin-Watkins Surveying, P.A.  
P.O. Box 444  
1301 W. Broad Street  
Fuquay-Varina NC 27526

RE: Preliminary soil/site evaluation for Lot 1 of the minor subdivision for Kevin and Christine Pheifer located adjacent to Christian Light Road in Harnett County.

Mr. Mauldin,

Adams Soil Consulting (ASC) conducted a preliminary soil evaluation on the above referenced parcel to determine the areas of soils which are suitable for subsurface wastewater disposal systems (conventional & LPP). The soil/site evaluation was performed using hand auger borings during moist soil conditions and sketched onto a preliminary plat supplied by Mauldin - Watkins, P. A. Surveying.

The suitable soils shown on the accompanying soil map are suitable for a conventional type initial and repair area for at least one 4-bedroom home. The lot contains greater than 12,000 ft<sup>2</sup> of suitable soils that consist of clay subsoil that can support a daily loading rate of 0.25-0.35 gallons/day/ft<sup>2</sup>. The specific septic system and loading rates for this lot will be permitted by the Harnett County Health Department. The areas for the proposed septic fields shall not be impacted by home sites, pools, garages and shall not be mechanically altered from the natural lay of the land. A lot should accommodate a house foot print of at least 60' x 60'. Due to the limited amount of potentially suitable soil found on the lot a preliminary septic system design was completed and is show on the accompanying soil map. The design is only a concept; the actual septic system will need to be planned with the final house location and site plan.

The lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and repair septic areas. Due to the subjective nature of the permitting process and the variability of naturally occurring soils, Adams Soil Consulting cannot guarantee that areas delineated as suitable for on-site wastewater disposal systems will be permitted by the governing agency. The lot may require a septic system utilizing pumps, shallow or ultra-shallow conventional trench placement, low pressure pipe system, and/or reductions system for final approval. The accompanying soil map is preliminary in nature, no further assumptions or subdivision should be made without a more detailed evaluation.

If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime. Thank you allowing me to perform this site evaluation for you.

Sincerely,



Alex Adams

NC Licensed Soil Scientist #1247

Encl: Soil Map





HARNETT COUNTY CASH RECEIPTS  
\*\*\* CUSTOMER RECEIPT \*\*\*  
Oper: BPETRICH Type: CP Drawer: 1  
Date: 10/13/17 51 Receipt no: 116067

Year	Number	Amount
2017	50042542	
92941 TECH 4		
LILLINGTON, NC 27546		
B4		
BP - ENV HEALTH FEES		
NEW TANK		\$750.00

ROBERT & AMBER TESSIER

Tender detail		
CK CHECK PAYMEN	27756	\$750.00
Total tendered		\$750.00
Total payment		\$750.00

Trans date: 10/13/17 Time: 9:21:49

\*\* THANK YOU FOR YOUR PAYMENT \*\*

HTE# 17-5-42542

## Harnett County Department of Public Health

29246

## Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: Robt Amber TessierPROPERTY LOCATION: Christian Light Rd. (SR 1412)NEW ☒ REPAIR ☐ EXPANSION ☐

SUBDIVISION

LOT # 1

Site Improvements required prior to Construction Authorization Issuance:

Type of Structure: 432 61'x44' S1DProposed Wastewater System Type: 25% Red. SPSProjected Daily Flow: 480 GPDNumber of bedrooms: 4 Number of Occupants: 8 maxBasement ☐ Yes ☒ NoPump Required: ☐ Yes ☐ No ☒ May be required based on final location and elevations of facilitiesType of Water Supply: ☐ Community ☒ Public ☐ Well Distance from well \_\_\_\_\_ feetPermit valid for: ☒ Five yearsPermit conditions: \_\_\_\_\_ ☐ No expirationAuthorized State Agent: Andrew Cullen Date: 10/25/2017

SEE ATTACHED SITE SKETCH

The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit.

## Construction Authorization

(Required for Building Permit)

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by references into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

ISSUED TO: Robt Amber TessierPROPERTY LOCATION: Christian Light Rd. (SR 1412)

SUBDIVISION

LOT # 1Facility Type: 432 61'x44' S1D☒ New☐ Expansion☐ RepairBasement? ☐ Yes ☒ No Basement Fixtures? ☐ Yes ☐ NoType of Wastewater System\*\* 25% Reduction System (Initial) Wastewater Flow: 480 GPD(See note below, if applicable ☐)25% Reduction System (Repair)

## Installation Requirements/Conditions

Number of trenches 3Septic Tank Size 1250 gallonsExact length of each trench 130 feetTrench Spacing: 9 Feet on Center

Pump Tank Size \_\_\_\_\_ gallons

Trenches shall be installed on contour at a

Soil Cover: 13 inchesMaximum Trench Depth of: 24 inches

(Maximum soil cover shall not exceed 36" above the trench bottom)

(Trench bottoms shall be level to +1/4"

in all directions)

Pump Requirements: \_\_\_\_\_ ft. TDH vs. \_\_\_\_\_ GPM

Aggregate Depth: \_\_\_\_\_ inches below pipe

Conditions: \_\_\_\_\_ inches above pipe

\_\_\_\_\_ inches total

WATER LINES (INCLUDING IRRIGATION) MUST BE 10FT. FROM ANY PART OF SEPTIC SYSTEM OR REPAIR AREA.  
NO UTILITIES ALLOWED IN INITIAL OR REPAIR DRAIN FIELD AREA.

\*\*If applicable: I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Signature: \_\_\_\_\_ Date: \_\_\_\_\_

This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be transferred when there is a change in ownership of the site. This

Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit.

SEE ATTACHED SITE SKETCH

Authorized State Agent: Andrew Cullen Date: 10/25/2017

ANDREW CULLEN

Construction Authorization Expiration Date: 10/25/2022

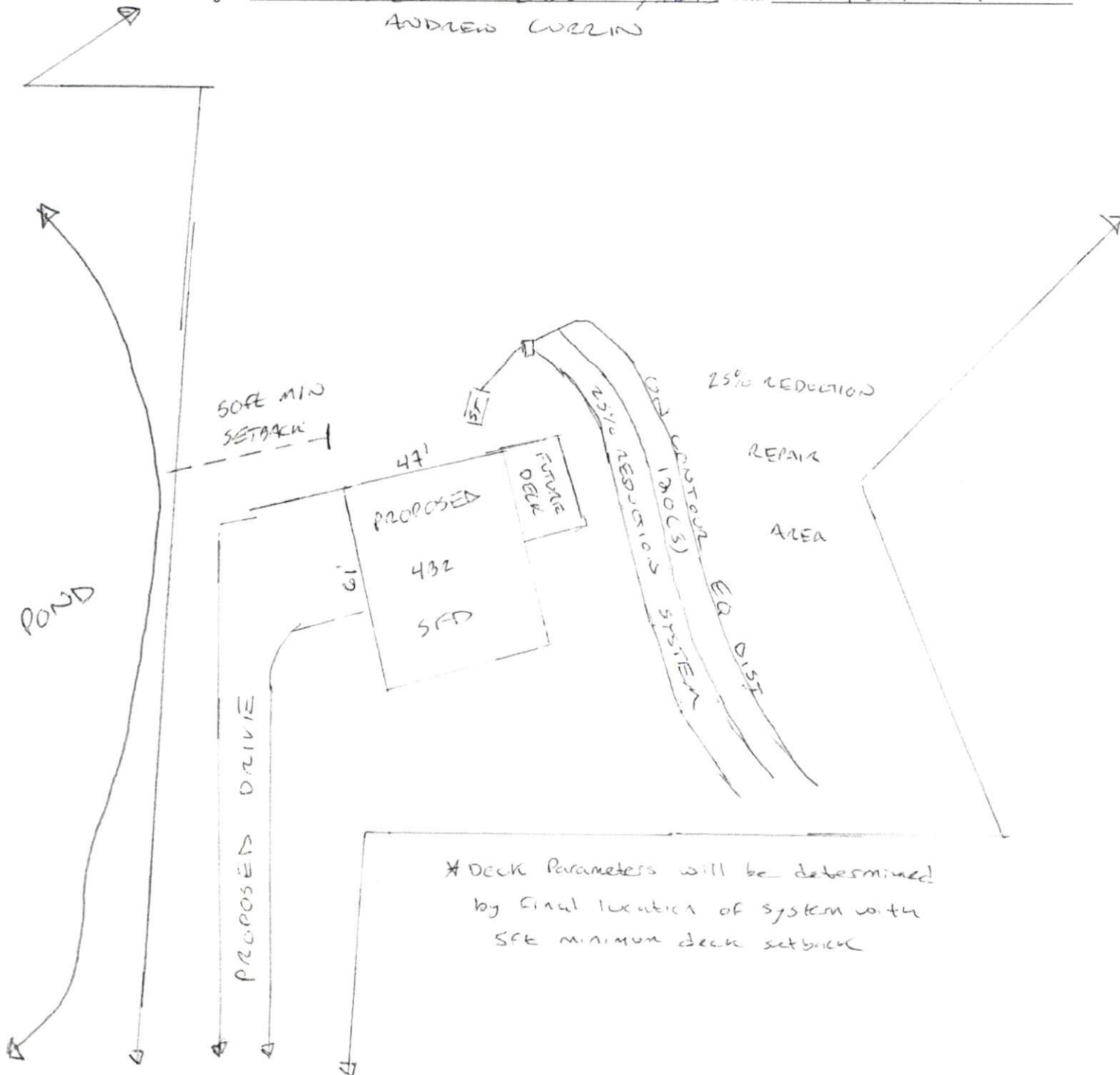
HTE# 17-5-42542

Permit # 29246

## Harnett County Department of Public Health Site Sketch

ISSUED TO: Rob & Amber Tessier PROPERTY LOCATOR: Christian Light Rd. (SR 1412)  
SUBDIVISION \_\_\_\_\_ LOT # 1

Authorized State Agent: Andrew Corbin, LPHS Date: 10/25/2017  
ANDREW CORBIN





SOIL/SITE EVALUATION  
for ON-SITE WASTEWATER SYSTEM

Owner: Chas. M. & Co. Applicant: 1206 125th St.  
Address: 1206 125th St. Date Evaluated: 10/23/2007  
Proposed Facility: 432 51-8 Design Flow (1,949): 432 51-8  
Location of Site: Property Recorded: 432 51-8  
Water Supply: Public ☒ Individual ☐ Well ☐ Spring ☐ Other ☐  
Evaluation Method: ☒ Auger Boring ☐ Pit ☐ Cut ☐ Industrial Process ☐ Mixed ☐  
Type of Wastewater: Sanitary ☒ Sewage ☐

[illegible]

Description	Initial	0.35	Site LTR System Type(s) Available Space (1945)
	Repair System	25% LTR	
		0.3	
Other Factors (.1946): Site Classification (.1948): Evaluated By: Others Present:			
Provisionally suitable Andreas Corneliussen			

HTE# 17-5-42542

## Harnett County Department of Public Health

25695

PERMIT # 29246

## Operation Permit

☒ New Installation ☒ Septic Tank ☒ Nitrification Line ☐ Repair ☐ Expansion

PROPERTY LOCATION: 5311 Christian Light Rd. (521412)

Name: (owner) Rob &amp; Amber Tessier

SUBDIVISION

LOT # 1

System Installer: Five County Well &amp; Septic Registration #

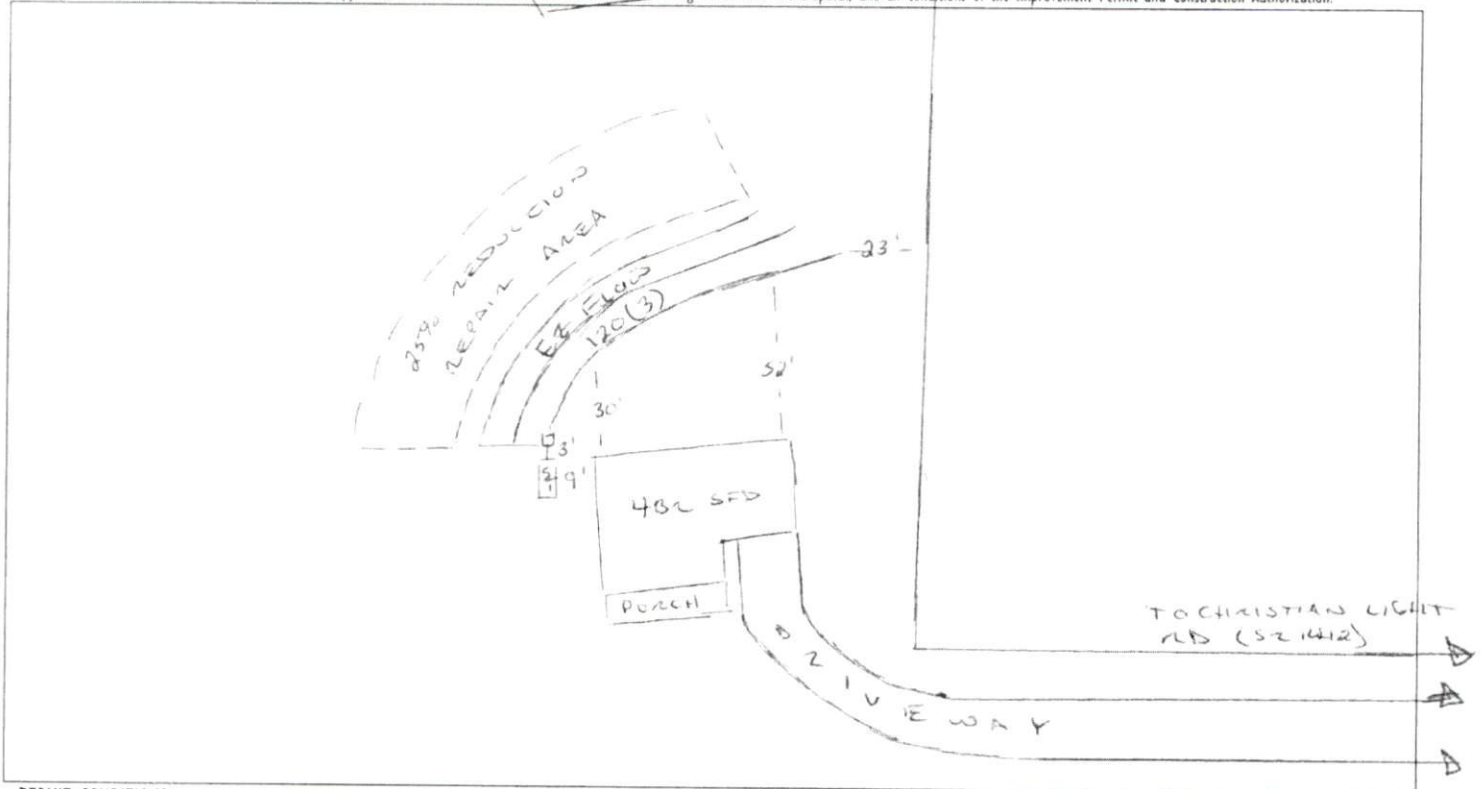
Basement with plumbing: ☐ Garage ☒ Number of Bedrooms 4Type of Water Supply: ☐ Community ☒ Public ☐ Well Distance from well NA feet

System Type: 25% reduction Sys. - Htg Types V and VI Systems expire in 5 years.

(In accordance with Table V a)

Owner must contact Health Department 6 months prior to expiration for permit renewal.

This system has been installed in compliance with applicable North Carolina General Statutes, Rules for Sewage Treatment and Disposal, and all conditions of the Improvement Permit and Construction Authorization.



## PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with Rule .1961.

II. Monitoring: As required by Rule .1961.

III. Maintenance: As required by Rule .1961. Other:

Subsurface system operator required? Yes ☐ No ☒

If yes, see attached sheet for additional operation conditions, maintenance and reporting.

IV. Operation:

V. Other:

☐ D-Box ☐ Pump ☐ Alarm ☐ H2O Line ☐ PWR Line

Following are the specifications for the sewage disposal system on the above captioned property.

Type of system: ☐ Conventional ☒ Other EZ FLOW IIIg Septic Tank: 1200 gallons Pump Tank: 1000 gallonsSubsurface No. of exact length width of depth of  
Drainage Field ditches 3 of each ditch 120 feet ditches 3 feet ditches 24 inches

French Drain Required: Linear feet

Authorized State Agent: [Signature]

Date 08/09/2019

09/09/11

Application #

42542

Harnett County Central Permitting

PO Box 65 Lillington NC 27546

910 893 7525 Fax 910 893 2793 www.harnett.org/permits

Each section below to be filled out  
by whomever performing work  
Must be owner or licensed  
contractor Address company  
name & phone must match

**Application for Residential Building and Trades Permit**

Owner's Name ROBERT + AMBER TESSIER Date 7-17-18  
Site Address 5311 CHRISTIAN LIGHT RD. FUQUAY VARINA, NC Phone 910-973-8354  
Directions to job site from Lillington GO US 401 NORTH GO APPROX. 3 miles + TURN left onto  
CHRISTIAN LIGHT RD. - 5311 CHRISTIAN LIGHT RD. will be on the left

Subdivision N/A Lot \_\_\_\_\_  
Description of Proposed Work NEW SINGLE FAMILY # of Bedrooms 4  
Heated SF 2,426 Unheated SF \_\_\_\_\_ Finished Bonus Room? N/A Crawl Space X Slab \_\_\_\_\_

**General Contractor Information**

Gitto Enterprises 919.809.2860  
Building Contractor's Company Name Telephone  
7320 Bassett Hall Court Raleigh NC Gittopin@gmail.com  
Address Email Address  
81942 27616  
License #

**Electrical Contractor Information**

Description of Work NEW SINGLE FAMILY Service Size 200 Amps T-Pole X Yes \_\_\_\_\_ No \_\_\_\_\_  
ARGUISO ELECTRIC 919-264-8287  
Electrical Contractor's Company Name Telephone  
4424 RIVER EDGE DR. RALEIGH, NC 27604 ARGUISO.ELECTRIC@gmail.com  
Address Email Address  
29138-11  
License #

**Mechanical/HVAC Contractor Information**

Description of Work NEW SINGLE FAMILY  
CAROLINA AIR HEATING + COOLING 910-947-7707  
Mechanical Contractor's Company Name Telephone  
3700 US Hwy 15-501 CARTHAGE, NC 28327 Kelly@CAROLINAIR.com  
Address Email Address  
23549  
License #

**Plumbing Contractor Information**

Description of Work NEW SINGLE FAMILY # Baths 2 3/4  
RICHARD DONALD WHITE 919-497-6869  
Plumbing Contractor's Company Name Telephone  
1020 BAPTIST CHURCH RD. BUNN, NC Cynthia.ugarte@icland.com  
Address Email Address  
16941  
License #

**Insulation Contractor Information**

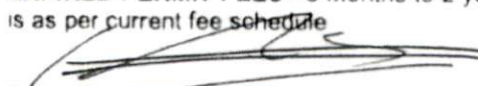
PRIME ENERGY GROUP 2300 WESTINGHOUSE BLVD. 919-882-1324  
Insulation Contractor's Company Name & Address Telephone  
RALEIGH, NC  
27604

\*NOTE General Contractor must fill out and sign the second page of this application



I hereby certify that I have the authority to make necessary application that the application is correct and that the construction will conform to the regulations in the Building Electrical Plumbing and Mechanical codes and the Harnett County Zoning Ordinance. I state the information on the above contractors is correct as known to me and that by signing below I have obtained all subcontractors permission to obtain these permits and if any changes occur including listed contractors site plan number of bedrooms building and trade plans Environmental Health permit changes or proposed use changes I certify it is my responsibility to notify the Harnett County Central Permitting Department of any and all changes.

**EXPIRED PERMIT FEES** - 6 Months to 2 years permit re-issue fee is \$150.00 After 2 years re-issue fee is as per current fee schedule

  
Signature of Owner/Contractor/Officer(s) of Corporation

7-17-18  
Date

7-26-18

### Affidavit for Worker's Compensation N C G S 87-14

The undersigned applicant being the

☒ General Contractor ☐ Owner ☐ Officer/Agent of the Contractor or Owner

Do hereby confirm under penalties of perjury that the person(s) firm(s) or corporation(s) performing the work set forth in the permit

☐ Has three (3) or more employees and has obtained workers compensation insurance to cover them

☐ Has one (1) or more subcontractors(s) and has obtained workers compensation insurance to cover them

☒ Has one (1) or more subcontractors(s) who has their own policy of workers compensation insurance covering themselves

☐ Has no more than two (2) employees and no subcontractors

While working on the project for which this permit is sought it is understood that the Central Permitting Department issuing the permit may require certificates of coverage of worker's compensation insurance prior to issuance of the permit and at any time during the permitted work from any person firm or corporation carrying out the work

Company or Name CAROLINA BUILDERS Group of Sanford, NC

Sign w/Title  CHRIS LAYTON member mgr.

Date 7-17-18

July 17, 2019

Harnett County Central Permitting  
108 E. Front Street  
Lillington, NC 27546

SUBJECT: 5311 Christian Light Road  
Fuquay Varina, NC 27526

To Whom It May Concern:

Effective immediately, Gitto Enterprises, License # 81942, will be taking over the construction of the house located at 5311 Christian Light Road.

Please call with any questions.

Respectfully,

A handwritten signature in black ink, appearing to read 'Rob Tessier', with a long horizontal line extending to the right.

Rob Tessier  
919-650-8236  
rtessierwvs@gmail.com

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]

**LETTER OF TRANSMITTAL**

September 11, 2018

Carolina Builders Group  
4699 Hwy 87 S  
Sanford, NC 27332

ATTN: Accounts Payable

RE: **5311 Christian Light Road Foudation**ECS Job # **33:4552**

Permits:

Location: **5311 Christian Light Road**  
**Fuquay- Varina, NC**

We are enclosing:

- ☒ Field Reports  
☒ For your use  
☒ As requested

ENCL:

Field Report # 1      09/10/2018

Dennis D Lowery, P.E.  
Project Engineer



*Donny Johnson*  
Donny Johnson  
Field Services Manager



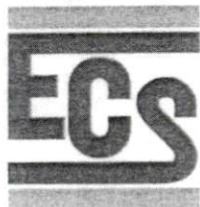
Eric M. Barber Jr. 09-10-18



1 CRAWLSPACE FOUNDATION PLAN

(#) = DCP Location

[illegible]



## Report of Spread Footing - Foundation Observations

Project: 5311 Christian Light Road FoudationProject No. 4552Location: 5311 Christian Light Road  
Fuquay- Varina - Harnett County - NC - 27526Day/Date: 09/10/18Contractor: None Listed

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure
		Design	Actual	Design	Depth of Undercut (in)		# of Blows / increment	
3	3	x x	x x	3000	0	Red / orange sand	6	
							4,9,12	
3	3	x x	x x	3000	-1	Red / orange clay	6	
							8,12,12	
3	3	x x	x x	2000	-2	Red / orange	6	
							10,25+,25+	
3	3	x x	x x	3000	-3	Red / orange	6	
							11,25+,25+	
4	4	x x	x x	3000	0	Red / orange	6	
							3,4,7	
4	4	x x	x x	3000	-1	Red / orange	6	
							7,12,17	
4	4	x x	x x	3000	-2	Red / orange	6	
							HAR	
5	5	x x	x x	3000	0	Red / orange	6	
							6,7,11	

By: Eric Michael Barber, Jr.ECS Southeast, LLP



**ECS Southeast, LLP**

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

**LETTER OF TRANSMITTAL**

September 13, 2018

Carolina Builders Group  
4699 Hwy 87 S  
Sanford, NC 27332

ATTN: Accounts Payable

RE: 5311 Christian Light Road Foudation

ECS Job # 33:4552

Permits:

Location: 5311 Christian Light Road  
Fuquay- Varina, NC

We are enclosing:

- ☒ Field Reports
- ☒ For your use
- ☒ As requested

ENCL:

Field Report # 2      09/12/2018

Dennis D Lowery, P.E.  
Project Engineer



Dennis D Lowery, P.E.  
Project Engineer





**ECS Southeast, LLP**

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

**FIELD REPORT**

Project **5311 Christian Light Road Foudation**  
Location **Fuquay- Varina, NC**  
Client **Carolina Builders Group - Accounts Payable**

Project No. **33:4552**  
Report No. **2**  
Day & Date **Wednesday 09/12/2018**  
Weather **75°/ Cloudy**  
On-Site Time **0.50**  
Lab Time **0.00**  
Travel Time\* **0.00**  
Total **0.50**  
Re Obs.Time **0.00**

Remarks

Trip Charges\*

Tolls/Parking\*

Mileage\*

Time of Arrival Departure  
**08:45A 09:15A**

Chargeable Items

\* 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 Project Engineer arrived on site as requested to observe the widths and depths of the perimeter continious footings and interior peir footings, prior to the placement of concrete.

The continious footing and pier footings were excavated and met the depths and widdths that were specified in the plans that were provided by the contractor.

The recommendations that were made by ECS on the report 1, have been performed by the contractor.

Its in the opinion of ECS that the dimensions for the minimum widths and depths of the excavated footings for the residential foundation meet the required plans and specifications prior to the placement of concrete.

By **Dennis D Lowery, — Project Engineer**

1200



## Report of Spread Footing - Foundation Observations

Project: 5311 Christian Light Road Foudation

Project No. 4552

Location: 5311 Christian Light Road  
Fuquay- Varina - Harnett County - NC - 27526

Day/Date: 09/10/18

Contractor: None Listed

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure
		Design	Actual	Design	Depth of Undercut (in)		# of Blows / increment	
5	5	x x	x x	3000	-1	Red / orange	6	
							8,16,22	
5	5	x x	x x	3000	-2	Red / orange	6	
							25+,25+,25+	
5	5	x x	x x	3000	-3	Red / orange	6	
							HAR	

By: Eric Michael Barber, Jr.

ECS Southeast, LLP



## Report of Spread Footing - Foundation Observations

Project: 5311 Christian Light Road Foudation

Project No. 4552

Location: 5311 Christian Light Road  
Fuquay- Varina - Harnett County - NC - 27526

Day/Date: 09/10/18

Contractor: None Listed

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure
		Design	Actual	Design	Depth of Undercut (in)		# of Blows / increment	
1	1	x x	x x	3000	0	Red / clay	6	
							26,15,16	
1	1	x x	x x	3000	-1	Red / orange clay	6	
							16,25+,25+	
1	1	x x	x x	3000	-2	Red / orange clay	6	
							25+,25+,25+	
1	1	x x	x x	3000	-3	Red / orange clay	6	
							25+,25+,25+	
2	2	x x	x x	3000	0	Red / orange clay	6	
							9,8,9	
2	2	x x	x x	3000	-1	Red / orange clay	6	
							25+,25+,25+	
2	2	x x	x x	3000	-2	Red / orange clay	6	
							11,14,25+	
2	2	x x	x x	3000	-3	Red / orange clay	6	
							15,18,19	

By: Eric Michael Barber, Jr.

ECS Southeast, LLP





**ECS Southeast, LLP**

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

Project **5311 Christian Light Road Foundation**  
Location **Fuquay- Varina, NC**  
Client **Carolina Builders Group - Accounts Payable**

**FIELD REPORT**

Project No. **33:4552**  
Report No. **1**  
Day & Date **Monday 09/10/2018**  
Weather **91% Cloudy**  
On-Site Time **2.75**  
Lab Time **0.00**  
Travel Time\* **0.00**  
Total **2.75**  
Re Obs. Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
			<b>08:45A</b>	<b>11:30A</b>

Chargeable Items

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

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An ECS representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/dcp method for Christian Light Road Foundation. 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 5 hand auger/DCP evaluations were performed and did appear to be suitable to support the design bearing capacity of 3,000 psf.

The soil in place is suitable to support the structural, however some water was encountered therefore ECS recommends to remove 12 inches of the existing soil in the areas that are highlighted on the sketch. When the soil is removed ECS recommends to replace the soil with 57 stone or a similar wash stone back to the proposed grade, and to install a French drain at the rear side of the property to allow the water to drain away from the structure.

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

By **Eric Michael Barber, Jr., — Field Technician**

1800

1076695

NC Registered Engineering Firm # F-1078

**ECS Southeast, LLP**

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

**LETTER OF TRANSMITTAL**

September 11, 2018

Carolina Builders Group  
4699 Hwy 87 S  
Sanford, NC 27332

ATTN: Accounts Payable

RE: **5311 Christian Light Road Foudation**ECS Job # **33:4552**

Permits:

Location: **5311 Christian Light Road**  
**Fuquay- Varina, NC**

We are enclosing:

- ☒ Field Reports  
☒ For your use  
☒ As requested

ENCL:

Field Report # 1      09/10/2018

Dennis D Lowery, P.E.  
Project Engineer



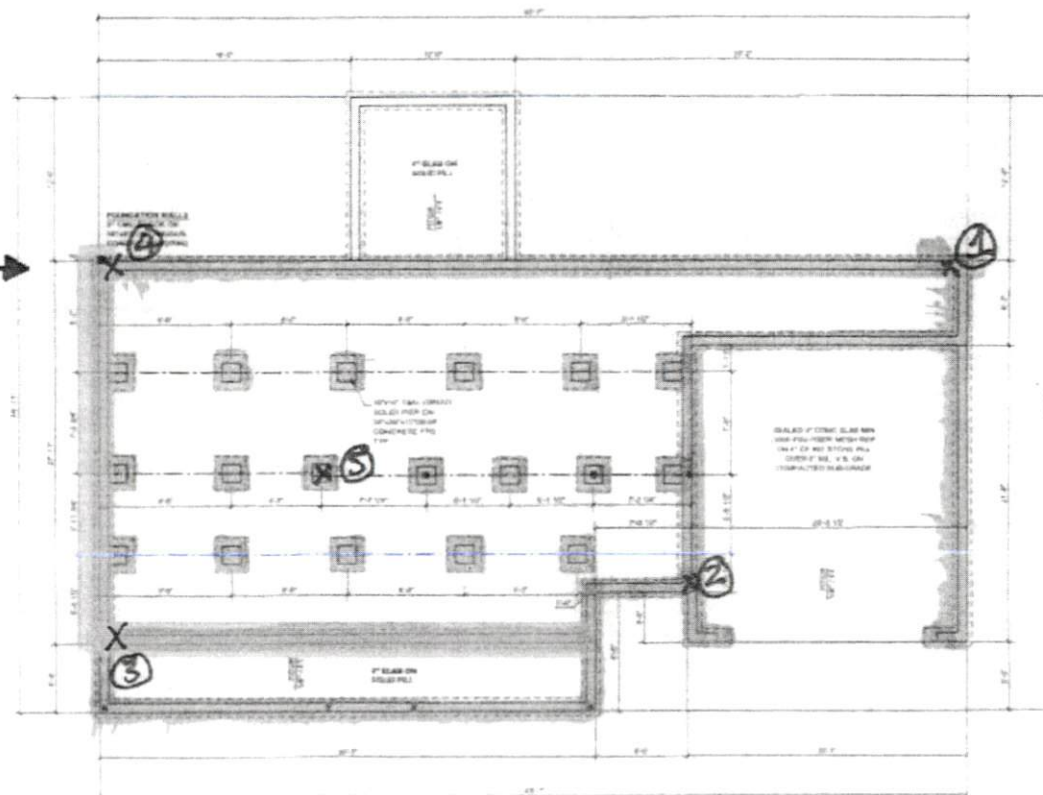
*Donny Johnson*  
Donny Johnson  
Field Services Manager

Christian Light Rd

Work: 47096 Project: 4552

Eric M. Barber Jr. 09-10-18

French  
Drain



Legend (NTS)

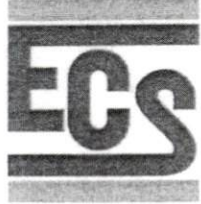
■ = Foundation evaluation

(#) = DCP Location

(1) CRAWLSPACE FOUNDATION PLAN

CAROLINA BUILDERS		
1000 N. Hargett St. Suite 100 Charlotte, NC 28203		
DATE: 06/13/2018		
1/8"=1'-0" U.N.D.		
TE		
TE181001		





## Report of Spread Footing - Foundation Observations

Project: 5311 Christian Light Road Foudation

Project No. 4552

Location: 5311 Christian Light Road  
Fuquay- Varina - Harnett County - NC - 27526

Day/Date: 09/10/18

Contractor: None Listed

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure
		Design	Actual	Design	Depth of Undercut (in)		# of Blows / increment	
3	3	x x	x x	3000	0	Red / orange sand	6	
							4,9,12	
3	3	x x	x x	3000	-1	Red / orange clay	6	
							8,12,12	
3	3	x x	x x	2000	-2	Red / orange	6	
							10,25+,25+	
3	3	x x	x x	3000	-3	Red / orange	6	
							11,25+,25+	
4	4	x x	x x	3000	0	Red / orange	6	
							3,4,7	
4	4	x x	x x	3000	-1	Red / orange	6	
							7,12,17	
4	4	x x	x x	3000	-2	Red / orange	6	
							HAR	
5	5	x x	x x	3000	0	Red / orange	6	
							6,7,11	

By: Eric Michael Barber, Jr.

ECS Southeast, LLP



**ECS Southeast, LLP**

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

**LETTER OF TRANSMITTAL**

September 13, 2018

Carolina Builders Group  
4699 Hwy 87 S  
Sanford, NC 27332

ATTN: Accounts Payable

RE: 5311 Christian Light Road Foudation

ECS Job # 33:4552

Permits:

Location: 5311 Christian Light Road  
Fuquay- Varina, NC

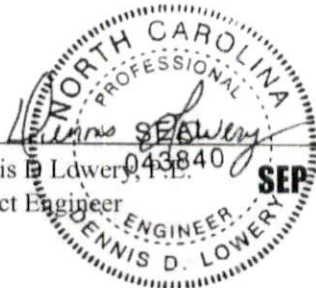
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- ☒ Field Reports
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- ☒ As requested

ENCL:

Field Report # 2      09/12/2018

Dennis D Lowery, P.E.  
Project Engineer



Dennis D Lowery, P.E.  
Project Engineer



**ECS Southeast, LLP**

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

**FIELD REPORT**

Project **5311 Christian Light Road Foudation**  
Location **Fuquay- Varina, NC**  
Client **Carolina Builders Group - Accounts Payable**

Project No. **33:4552**  
Report No. **2**  
Day & Date **Wednesday 09/12/2018**  
Weather **75°/ Cloudy**  
On-Site Time **0.50**  
Lab Time **0.00**  
Travel Time\* **0.00**  
Total **0.50**  
Re Obs. Time **0.00**

Remarks

Trip Charges\*

Tolls/Parking\*

Mileage\*

Time of Arrival Departure  
**08:45A 09:15A**

Chargeable Items

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By **Dennis D Lowery, — Project Engineer**

1200





## Report of Spread Footing - Foundation Observations

Project: 5311 Christian Light Road Foudation  
 Location: 5311 Christian Light Road  
Fuquay- Varina - Harnett County - NC - 27526  
 Contractor: None Listed

Project No. 4552  
 Day/Date: 09/10/18

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure
		Design	Actual	Design	Depth of Undercut (in)		# of Blows / increment	
5	5	x x	x x	3000	-1	Red / orange	6	
							8,16,22	
5	5	x x	x x	3000	-2	Red / orange	6	
							25+,25+,25+	
5	5	x x	x x	3000	-3	Red / orange	6	
							HAR	

By: Eric Michael Barber, Jr.

ECS Southeast, LLP



## Report of Spread Footing - Foundation Observations

Project: 5311 Christian Light Road Foudation

Project No. 4552

Location: 5311 Christian Light Road  
Fuquay- Varina - Harnett County - NC - 27526

Day/Date: 09/10/18

Contractor: None Listed

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure
		Design	Actual	Design	Depth of Undercut (in)		# of Blows / increment	
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1	1	x x	x x	3000	-2	Red / orange clay	6	
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1	1	x x	x x	3000	-3	Red / orange clay	6	
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2	2	x x	x x	3000	0	Red / orange clay	6	
							9,8,9	
2	2	x x	x x	3000	-1	Red / orange clay	6	
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2	2	x x	x x	3000	-2	Red / orange clay	6	
							11,14,25+	
2	2	x x	x x	3000	-3	Red / orange clay	6	
							15,18,19	

By: Eric Michael Barber, Jr.

ECS Southeast, LLP

**ECS Southeast, LLP**

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

Project **5311 Christian Light Road Foundation**  
Location **Fuquay- Varina, NC**  
Client **Carolina Builders Group - Accounts Payable**

## Remarks

Trip Charges\*

Tolls/Parking\*

Mileage\*

Chargeable Items

**FIELD REPORT**

Project No. **33:4552**  
Report No. **1**  
Day & Date **Monday 09/10/2018**  
Weather **91°/ Cloudy**  
On-Site Time **2.75**  
Lab Time **0.00**  
Travel Time\* **0.00**  
Total **2.75**  
Re Obs. Time **0.00**

Time of Arrival Departure  
**08:45A 11:30A**

\* 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.
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4699 Hwy 87 S  
Sanford, NC 27332

ATTN: Accounts Payable

RE: **5311 Christian Light Road Foudation**

ECS Job # **33:4552**

Permits:

Location: **5311 Christian Light Road  
Fuquay- Varina, NC**

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☒ Field Reports  
☒ For your use  
☒ As requested

ENCL:

Field Report # 1      09/10/2018

Dennis D Lowery, P.E.  
Project Engineer



Donny Johnson  
Field Services Manager

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(910) 323-0539 [Fax]

**FIELD REPORT**

Project **5311 Christian Light Road Foudation**  
Location **Fuquay- Varina, NC**  
Client **Carolina Builders Group - Accounts Payable**

Project No. **33:4552**  
Report No. **1**  
Day & Date **Monday 09/10/2018**  
Weather **91% Cloudy**  
On-Site Time **2.75**  
Lab Time **0.00**  
Travel Time\* **0.00**  
Total **2.75**  
Re Obs. Time **0.00**

## Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			<b>08:45A</b>	<b>11:30A</b>

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By **Eric Michael Barber, Jr., — Field Technician**

1800

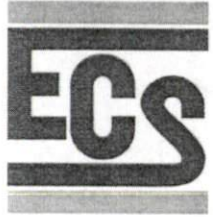
Eric M. Barber Jr. 09-10-18



Foundation evaluation  
(#) = DCP Location

1 CRAWLSPACE FOUNDATION PLAN

CRAWLSPACE BUILDERS 2000 S. Hammer Blvd. #730 Sanford, NC 27330	
I, the undersigned, hereby certify that the above information was obtained from a visual inspection of the crawlspace and is true and correct to the best of my knowledge and belief.	
Signature of the inspector: _____ Date: _____	
Signature of the owner: _____ Date: _____	
TESSIER RESIDENCE CRAWLSPACE FOUNDATION PLAN DATE: 06/13/2018 SCALE: 1/8"=1'-0" U.N.I.T. DRAWN BY: TE DATE: 06/13/2018	



## Report of Spread Footing - Foundation Observations

Project: 5311 Christian Light Road Foundation

Project No. 4552

Location: 5311 Christian Light Road  
Fuquay- Varina - Harnett County - NC - 27526

Day/Date: 09/10/18

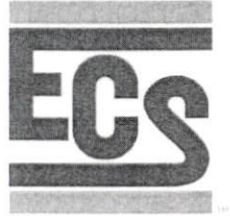
Contractor: None Listed

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure
		Design	Actual	Design	Depth of Undercut (in)		# of Blows / increment	
1	1	x x	x x	3000	0	Red / clay	6	
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							16,25+,25+	
1	1	x x	x x	3000	-2	Red / orange clay	6	
							25+,25+,25+	
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							25+,25+,25+	
2	2	x x	x x	3000	-2	Red / orange clay	6	
							11,14,25+	
2	2	x x	x x	3000	-3	Red / orange clay	6	
							15,18,19	

By: Eric Michael Barber, Jr.

ECS Southeast, LLP





## Report of Spread Footing - Foundation Observations

Project: 5311 Christian Light Road Foudation

Project No. 4552

Location: 5311 Christian Light Road  
Fuquay- Varina - Harnett County - NC - 27526

Day/Date: 09/10/18

Contractor: None Listed

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure
		Design	Actual	Design	Depth of Undercut (in)		# of Blows / increment	
3	3	x x	x x	3000	0 .	Red / orange sand	6	
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3	3	x x	x x	3000	-1 .	Red / orange clay	6	
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							10,25+,25+	
3	3	x x	x x	3000	-3 .	Red / orange	6	
							11,25+,25+	
4	4	x x	x x	3000	0 .	Red / orange	6	
							3,4,7	
4	4	x x	x x	3000	-1 .	Red / orange	6	
							7,12,17	
4	4	x x	x x	3000	-2 .	Red / orange	6	
							HAR	
5	5	x x	x x	3000	0 .	Red / orange	6	
							6,7,11	

By: Eric Michael Barber, Jr.

ECS Southeast, LLP



## Report of Spread Footing - Foundation Observations

Project: 5311 Christian Light Road FoudationProject No. 4552Location: 5311 Christian Light Road  
Fuquay- Varina - Harnett County - NC - 27526Day/Date: 09/10/18Contractor: None Listed

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure
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5	5	x x	x x	3000	-2 .	Red / orange	6	
							25+,25+,25+	
5	5	x x	x x	3000	-3 .	Red / orange	6	
							HAR	

By: Eric Michael Barber, Jr.ECS Southeast, LLP

**COUNTY OF HARNETT**  
**Building Inspections Department**  
**Planning Services**

**Certificate of Compliance:** \_\_\_\_\_ **Occupancy:** ☒

Certificate issued pursuant to the requirements of North Carolina General Statute 153A-363 and Harnett County Zoning Ordinances. This certifies at the time of issuance, this structure was in compliance with the various ordinances of the County of Harnett and the North Carolina State Building Codes. For the following:

Use Classification: CPSF

Name: Robert J Tessier

Address: 5311 Christian light road  
Fuquay-Varina, NC 27526

Date: 11-21-19

**Permit Numbers**

Building: CPSF17-50042542

Electrical: \_\_\_\_\_

Insulation: \_\_\_\_\_

Plumbing: \_\_\_\_\_

Mechanical: \_\_\_\_\_

MFG Home: \_\_\_\_\_

Building Official: Ray Alder

# WILKINS ENGINEERING, P.C.

Post Office Box 37446

Raleigh, NC 27627

August 11, 2019

Mr. Peter Gitto  
AMG Realty, LLC  
7320 Bassett Hall Ct.  
Raleigh, North Carolina

REFERENCE: 5311 Christian Light Road, Fuquay-Varina, NC  
Permit Number CPSF17-50042542

Dear Mr. Gitto:

I recently made a site visit to the above referenced location for the purpose of reviewing the most recent framing inspection. My findings and recommendations are outlined below.

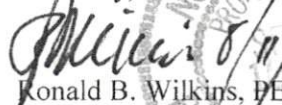
The first item to be addressed is: *"Need engineer repair for damaged floor trusses above kitchen and where trusses were damaged by termites"*. The damaged floor trusses were inspected and it appeared that there was minor termite damage but no active infestation. The damage was limited to the bottom chord of the trusses. In order to repair the damaged trusses I recommend the installation of a ½" OSB repair plate on one side of the truss from top chord to bottom chord. The plate should be nominally 48" long in order to cover more than one vertical and diagonal member of the truss. The repair plate should be attached with construction adhesive and nailed at 6" on center along the top and bottom chord and internal members. No other modification is required.

The second item to be addressed is: *"Replace all short nails in truss hangers with 3-inch or provide engineering"*. I inspected the hanger installation to the main LVL that runs along the width of the structure and although they are not the short connectors manufactured by Simpson Strong-Tie they are structurally adequate to support the vertical reaction loads from the second floor trusses as well as pullout that could be realized. Accordingly, the nails as installed are structurally adequate.

The last item to be addressed is: *"B2 trusses with scabbd boards require engineering or expose for inspection"*. The "B2" truss is a gable end truss that is intended to close off the ceiling/roof framing at a gable end. I thoroughly inspected this truss as well as reviewed the truss analysis and although additional lumber has been added, the truss is installed according to the erection plan and is structurally acceptable. No modification is required.

I hope you find this information useful. If you have any questions, or require additional information, please do not hesitate to contact me.

Sincerely,

  
Ronald B. Wilkins, PE

