

Initial Application Date: 12/23/13

Application # 1450032721

COUNTY OF HARNETT RESIDENTIAL LAND USE APPLICATION

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

LANDOWNER: Bill Clark Homes Mailing Address: PO Box 87021

City: Fayetteville State: NC Zip: 28304 Home #: 910-426-2898 Contact #: 910-237-2479

APPLICANT: Bill Clark Homes Mailing Address: _____

City: _____ State: _____ Zip: _____ Home #: _____ Contact #: _____

CONTACT NAME APPLYING IN OFFICE: Brian Walker Phone #: 910-237-2479

PROPERTY LOCATION: Subdivision: Pattons Point Lot #: 65 Lot Size: 0.347

State Road #: _____ State Road Name: Tingen Road Map Book & Page: 2005/259

Parcel: 039597-003960 PIN: 9597-30-6751.000

Zoning: RA-20R Flood Zone: n/a Watershed: n/a Deed Book & Page: 2177/581

SPECIFIC DIRECTIONS TO THE PROPERTY FROM LILLINGTON: Hwy 27 towards Hwy 87
 Turn left on Tingen Rd. Turn left into
 subdivision on Strike Eagle Dr. Turn left
 onto Bunker Buster Ct., then right into Jeffrey
 Caliber Dr -

- PROPOSED USE: (Include Bonus room as a bedroom if it has a closet)
- SFD (Size 49 x 38) # Bedrooms 3 # Baths 2.5 Basement (w/wo bath) no Garage 2 car Deck Patio Circle: Slab
 - Mod (Size _____ x _____) # Bedrooms _____ # Baths _____ Basement (w/wo bath) _____ Garage _____ Site Built Deck _____ ON Frame / OFF
 - Manufactured Home: _____ SW _____ DW _____ TW (Size _____ x _____) # Bedrooms _____ Garage _____ (site built?) Deck _____ (site built?)
 - Duplex No. Buildings _____ No. Bedrooms/Unit _____
 - Home Occupation # Rooms _____ Use _____ Hours of Operation: _____ #Employees _____
 - Addition/Accessory/Other (Size _____ x _____) Use _____ Closets in addition () yes () no

Water Supply: County () Well (No. dwellings _____) **MUST** have operable water before final

Sewage Supply: New Septic Tank (Complete **New Tank Checklist**) () Existing Septic Tank () County Sewer

Property owner of this tract of land own land that contains a manufactured home w/in five hundred feet (500') of tract listed above? () YES NO

Structures (existing or proposed): Single family dwellings 1 Manufactured Homes _____ Other (specify) _____

Comments: _____

Required Residential Property Line Setbacks:

Front	Minimum <u>35</u>	Actual <u>38.6'</u>
Rear	<u>20</u>	<u>69.4'</u>
Closest Side	<u>10</u>	<u>13'</u>
Sidestreet/corner lot	<u>-</u>	<u>40.2'</u>
Nearest Building on same lot	<u>-</u>	

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.

Brian Walker Signature of Owner or Owner's Agent Date 12/23/13

****This application expires 6 months from the initial date if no permits have been issued****

A RECORDED SURVEY MAP, RECORDED DEED (OR OFFER TO PURCHASE) AND PLAT ARE REQUIRED WHEN APPLYING FOR LAND USE APPLICATION Please use Blue or Black Ink ONLY

**Plot Plan Only
Not a Survey**

Minimum Setbacks
Front = 35'
Side = 10'
Rear = 25'

Fifty Caliber Drive 50' Public R/W

Note:
A 10' Utility, Street
Maintenance and
Drainage Easement
is reserved along
the street side of
all lots.

Map Number 2005-905



Schoonmaker Court 50' Public R/W

R=25.00' L=39.27'
S 50°26'42"E 35.36'

N 84°33'18"E 121.00'
10' Easement See Note

65
0.347 Ac.

66

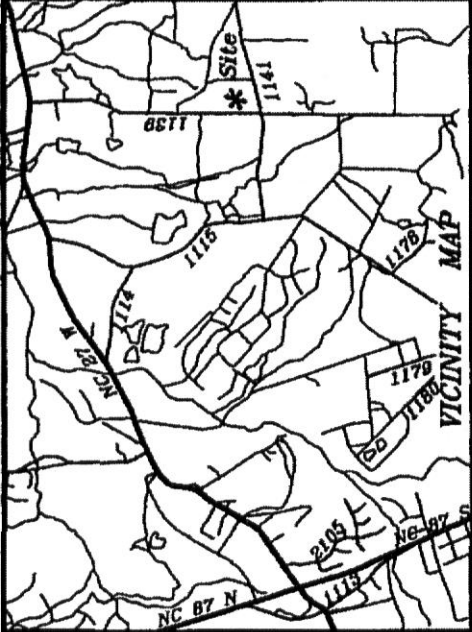
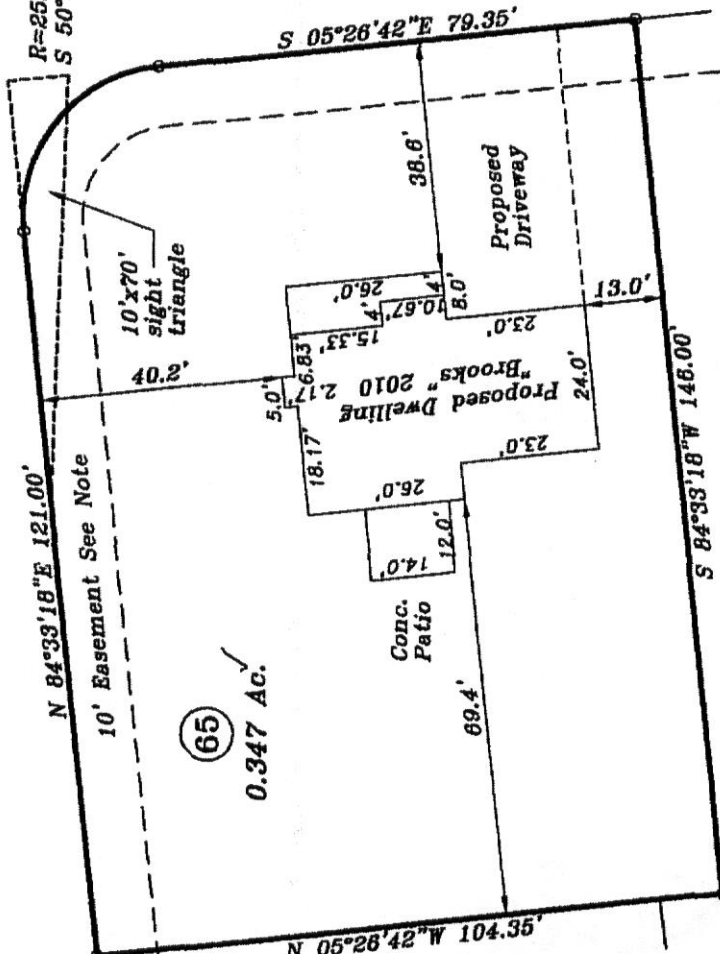
Israel Lucas
Construction, Inc.
Deed Book 2929, Page 53
Map Number 2005-905

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Israel Lucas
Construction, Inc.
Deed Book 2929, Page 53
Map Number 2005-905

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Bill Clark Homes
of Fayetteville, LLC
Deed Book 2177, Page 561
Map Number 2005-907



Plot Plan For:

**Bill Clark Homes
of Fayetteville, LLC**

Barbecue Twp. Harnett County
Scale: 1" = 30' Date: 12-2-13

Surveyed & Mapped By
STANCIL & ASSOCIATES
Professional Land Surveyor, P.A. C-0831
P.O. Box 730, Angier, N.C. 27501
919-639-2133 919-639-2602 (FAX)
t1stancil@embarqmail.com



NOT FOR RECORDATION

NAME: Bill Clark Homer

APPLICATION #: _____

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 # _____

Environmental Health New Septic System Code 800

- 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.**
- Call No Cuts to locate utility lines prior to scheduling inspection. 800-632-4949 (This is a free service)
- 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 door as diagram indicates. Loosen trap door cover. (Unless inspection is for a septic tank in a mobile home park)
- After preparing trapdoor 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.

Bill Clark Homer
PROPERTY OWNERS OR OWNERS LEGAL REPRESENTATIVE SIGNATURE (REQUIRED)

12/23/13
DATE

UNRECORDED



FOR REGISTRATION REGISTER OF DEEDS
HARNETT COUNTY, NC
2006 JAN 11 10:42:00 AM
BK: 2177 PG: 584-586 FEE: \$17.00
NC REV STAMP: \$4,928.00
INSTRUMENT # 2006000487

HARNETT COUNTY TAX ID#

All #'s below

APR 2006 BY *SKB*

NORTH CAROLINA GENERAL WARRANTY DEED

Parcel Identifier No. 9397-20-6415

Revenue Stamp: \$4,928.00

Prepared by: Richard A. Galt, PLLC, 2533 Rasford Road, Fayetteville, NC 28305

Return after recording to: Richard A. Galt, PLLC, 2533 Rasford Road, Fayetteville, NC 28305

Brief Description for the Index: PATTON'S POINT

This Deed made this the 9th day of January, 2006 by and between:

GRANTOR	GRANTEE
STANCIL BUILDERS, INC., a North Carolina Corporation 466 Stancil Road Angier, NC 27501	BILL CLARK HOMES OF FAYETTEVILLE, LLC, a North Carolina Limited Liability Company 1206 Hope Mills Road Fayetteville, NC 28304

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g., corporation or partnership

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in Harnett County, North Carolina and more particularly described as follows:

BEING ALL of Lots 1, 2, 3, 4, 5, 6, 7, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117 and 118, in a subdivision known as PATTON'S POINT, according to a map of the same duly recorded in Map Book 2005-895, Harnett County, North Carolina Registry; and

BEING ALL of Lots 8, 9, 10, 11, 13, 14, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105 and 106, in a subdivision known as PATTON'S POINT, according to a map of the same duly recorded in Map Book 2005-897, Harnett County, North Carolina Registry; and

BEING ALL of Lots 15, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94 and 95, in a subdivision known as PATTON'S POINT, according to a map of the same duly recorded in Map Book 2005-899, Harnett County North Carolina Registry; and

BEING ALL of Lots 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31 and 32, in a subdivision known as PATTON'S POINT, according to a map of the same duly recorded in Map Book 2005-901, Harnett County, North Carolina Registry; and

BEING ALL of Lots 17, 33, 34, 35, 36, 37, 38, 39, 75, 76, 77, 78, 79 and 80, in a subdivision known as PATTON'S POINT, according to a map of the same duly recorded in Map Book 2005-903, Harnett County, North Carolina Registry; and



KIMBERLY S. HARGROVE
REGISTER OF DEEDS, HARNETT
305 W CORNELIUS HARNETT BLVD
SUITE 200
LILLINGTON, NC 27546

Filed For Registration: 08/10/2007 11:47:27 AM

Book: RE 2411 Page: 552-554

Document No.: 2007014507

DEED 3 PGS \$17.00

NC REAL ESTATE EXCISE TAX: \$1,045.00

Recorder: ANGELA J BYRD

State of North Carolina, County of Harnett

KIMBERLY S. HARGROVE , REGISTER OF DEEDS

DO NOT DISCARD

2007014507

2007014507

* Each section below to be filled out by whomever performing work. Must be owner or licensed contractor. Address, company name & phone must match information on license.

Application # _____

Harnett County Central Permitting
PO Box 65 Lillington, NC 27546
Phone 910-893-7525 Fax 910-893-2793 www.harnett.org

Application for Residential Building and Trades Permit

Owner's Name: Bill Clark Homes of Fayetteville, LLC Date: _____

Site Address: 12 Schoonmaker Ct. Phone (910) 426-2898

Directions to job site from Lillington: _____

Rt.27 towards Rt.87. Turn left on Tingen Road. Turn left into Subdivision on Strike Eagle Drive.

Subdivision: Pattons Point Lot: 65

Description of Proposed Work: Single Family Dwelling #Bedrooms: 3

Heated SF 1999 Unheated SF 137 Finished Rec Room? yes Crawl Space () Slab

General Contractor Information

Bill Clark Homes of Fayetteville, LLC (910) 426-2898
Building Contractor's Company Name Telephone

400 Westwood Shopping Center Suite 220 Fayetteville, NC 28314 34592-BLD-U
Address License #

Kimberly Gay Must sign & fill out second page
Signature of Owner/Contractor/Officer(s) of Corporation

Electrical Permit Information

Description of Work _____ Service Size: _____ Amps TPole: yes/no

Sandy Ridge Electric, Inc. (910) 323-2458
Electrical Contractor's Company Name Telephone

454 Whitehead Rd. Fayetteville, NC 28312 10006-U
Address License #

[Signature]
Signature of Officer(s) of Corporation

Mechanical Permit Information

Description of Work _____
Mark-Air, Inc. (910) 484-6565
Mechanical Contractor's Company Name Telephone

5217-103 Raeford Rd. Fayetteville, NC 28304 15874
Address License #

Chandler Sikes
Signature of Officer(s) of Corporation

Plumbing Permit Information

Description of Work _____ # Baths _____

VANCE JOHNSON PLUMBING 910-424-6712
Plumbing Contractor's Company Name Telephone

3242 MID PINE DR FAY NC 28306 7756-PI
Address License #

William Payne
Signature of Officer(s) of Corporation

Insulation Permit Information

A-1 Insulation P.O. Box 180 Hope Mills, NC 28348 (910) 429-2990
Insulation Contractor's Company Name & Address Telephone

Homeowners Applying to Build Their Own Home

Please answer the following questions then see a Permit Technician to determine if you qualify for permit under Owners Exemption. Questionnaire per G.S. 87-14 Regulations as to Issue of Building Permits (Memo available upon request)

1. Do you own the land on which this building will be constructed? ___ yes ___ no
2. Have you hired or intend to hire an individual to superintend and manage construction of the project? ___ yes ___ no
3. Do you intend to directly control & supervise construction activities? ___ yes ___ no
4. Do you intend to schedule, contract, or directly pay for all phases of construction work to be done? ___ yes ___ no
5. Do you intend to personally occupy the building for at least 12 consecutive months following completion of construction and do you understand that if you do not do so, it creates the presumption under law that you fraudulently secured the permit? ___ yes ___ no

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 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.

Brian Walker

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

1-2-14
Date

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

The undersigned applicant being the:

___ General Contractor ___ Owner X 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.
- X 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: Brian D. Walker - Bill Clark Homes

Sign w/Title: Brian Walker

Date: 12-23-13

Designated Lien Agent

Investors Title Insurance Company

Online: www.liensnc.com

Address: 19 W Hargett St, Suite 507 / Raleigh, NC 27601

Email: support@liensnc.com

Fax: (919) 489-5231

Technical

Support Hotline: (888) 690-7384

Entry Number: 79773

Filed by: bchfaync

Payment Amount: \$25.00

Filing Date: 12/19/2013



Owner Information

Bill Clark Homes

200 E. Arlington Blvd.

Greenville

NC

27858

United States

252-355-5805

martha@billclarkhomes.com

Project Property

12 Schoonaker Court (PP65)

Broadway

NC

27505

Property Type: 1-2 Family Dwelling

Date First Furnished:

HARNETT COUNTY CENTRAL PERMITTING
P.O. BOX 65
LILLINGTON, NC 27546
For Inspections Call: (910) 893-7525 Fax: (910) 893-2793
Bldg Insp scheduled before 2pm available next business day.

Application Number 14-50032721 Date 2/17/14
Property Address 12 SCHOOMAKER CT
PARCEL NUMBER 03-9597- - -0039- -60-
Application type description CP NEW RESIDENTIAL (SFD)
Subdivision Name PATTONS POINT
Property Zoning RES/AGRI DIST - RA-20R

Owner Contractor

BILL CLARK HOMES OF FAYETTEVILLE LLC
400 WESTWOOD SHOPPING CTR
FAYETTEVILLE NC 28314
BILL CLARK HOMES LLC
200 EAST ARLINGTON BLVD
SUITE A
GREENVILLE NC 27858
(252) 355-5805

Applicant

BILL CLARK HOMES #65
PO BOX 87021
FAYETTEVILLE NC 28304
(910) 426-2898

--- Structure Information 000 000 49X38 3BDR SLAB W/ GARAGE
Flood Zone FLOOD ZONE X
Other struct info # BEDROOMS 3000000.00
PROPOSED USE SFD
SEPTIC - EXISTING? NEW TANK
WATER SUPPLY COUNTY

Permit BLDG, MECH, ELEC, PLB, INSU PERMIT
Additional desc
Phone Access Code 1015213
Issue Date 2/17/14 Valuation 0
Expiration Date 2/17/15

Special Notes and Comments
T/S: 01/08/2014 11:23 AM JBROCK ----
PATTONS POINT #65
XX
PERMIT INCLUDES BLDG, ELEC, MECH, PLUMB
INSULATION AND LAND USE.
XX
Work must conform and comply with the
STATE BUILDING CODE and all other State
and local laws, ordinances & regulations

HARNETT COUNTY CENTRAL PERMITTING
P.O. BOX 65
LILLINGTON, NC 27546
For Inspections Call: (910) 893-7525 Fax: (910) 893-2793
Bldg Insp scheduled before 2pm available next business day.

Page 2
Date 2/17/14

Application Number 14-50032721
Property Address 12 SCHOOMAKER CT
PARCEL NUMBER 03-9597- - -0039- -60-
Application description . . . CP NEW RESIDENTIAL (SFD)
Subdivision Name PATTONS POINT
Property Zoning RES/AGRI DIST - RA-20R

Permit BLDG,MECH,ELEC,PLB,INSU PERMIT

Additional desc . . .
Phone Access Code . . . 1015213

Required Inspections

Seq	Phone Insp#	Insp Code	Description	Initials	Date
10	101	B101	R*BLDG FOOTING / TEMP SVC POLE	_____	___/___/___
20	103	B103	R*BLDG FOUND & TEMP SVC POLE	_____	___/___/___
20-30	814	A814	ADDRESS CONFIRMATION	_____	___/___/___
30-999	111	B111	R*BLDG SLAB INSP/TEMP SVC POLE	_____	___/___/___
30-999	309	P309	R*PLUMB UNDER SLAB	_____	___/___/___
30	104	B104	R*FOUND & SETBACK VERIF SURVEY	_____	___/___/___
40-50	129	I129	R*INSULATION INSPECTION	_____	___/___/___
40-60	425	R425	FOUR TRADE ROUGH IN	_____	___/___/___
40-60	125	R125	ONE TRADE ROUGH IN	_____	___/___/___
40-60	325	R325	THREE TRADE ROUGH IN	_____	___/___/___
40-60	225	R225	TWO TRADE ROUGH IN	_____	___/___/___
50-60	429	R429	FOUR TRADE FINAL	_____	___/___/___
50-60	131	R131	ONE TRADE FINAL	_____	___/___/___
50-60	329	R329	THREE TRADE FINAL	_____	___/___/___
50-60	229	R229	TWO TRADE FINAL	_____	___/___/___
999		H824	ENVIR. OPERATIONS PERMIT	_____	___/___/___

ADDRESS : 12 SCHOOMAKER CT SUBDIV: PATTONS POINT
CONTRACTOR : BILL CLARK HOMES LLC PHONE : (252) 355-5805
OWNER : BILL CLARK HOMES OF FAYETTEVIL PHONE :
PARCEL : 03-9597- - -0039- -60-
APPL NUMBER: 14-50032721 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 01/08/2014 11:23 AM JBROCK ----
PATTONS POINT #65

STRUCTURE: 000 000 49X38 3BDR SLAB W/ GARAGE

FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 3000000.00 PROPOSED USE : SFD
SEPTIC - EXISTING? : NEW TANK WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	2/18/14	MR	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002493815
	2/18/14	AP	T/S: 02/18/2014 01:17 PM MREARIC -----
B103 01	2/26/14	MR	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002496719
	2/26/14	AP	T/S: 02/25/2014 01:23 PM LSEGARS ----- T/S: 02/26/2014 03:06 PM MREARIC -----
A814 01	2/27/14	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002496883
	2/28/14	AP	12 schoomaker ct broadway 27505 --- T/S: 02/28/2014 02:58 PM TWARD ----- T/S: 02/28/2014 03:00 PM TWARD -----
P309 01	3/07/14	BS	R*PLUMB UNDER SLAB VRU #: 002500460
	3/07/14	AP	\S: March 07, 2014 09:43 AM BSUTTON -----
B111 01	3/11/14	TI	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002501419
	<u>11</u>	<u>AP-MR</u>	

----- COMMENTS AND NOTES -----

Bill Clark Homes of Fayetteville
200 E Arlington Blvd
200 E Arlington Blvd
Greenville, NC 27858

03/07/2014

Attention : Dan
Paul Endricks

RE: Daily Field Report for 03/06/2014
Lot 65 Pattons Point, Bill Clark Homes
BES Project No : 14-0080

Ladies and Gentlemen:

On this date, representative(s) of Building & Earth Sciences, LLP were present to perform construction material testing services at this project site. Our testing and observations for this date include the following:

FO-1 : Field Observations made on this date.

- DCP'S
- Project Management Review

Passed
Passed

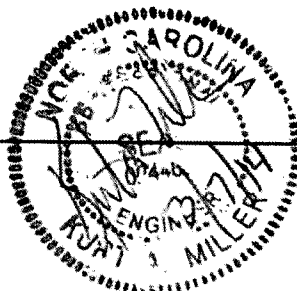
ST-1 : In place field density testing was performed for Building Pad. The field density testing was performed in general accordance with ASTM D1556, using the results of field one-point Proctors and laboratory Proctors for compaction comparison. One(1) in-place field density test was performed on this date. The testing results indicate that in-place compaction and moisture content at the location and depth tested meet or exceed the specified requirements outlined in the project plans and specifications. For additional details of our testing, please refer to the attached Field Density Test Report.

Closing

The testing and observations identified above have been reviewed by our project manager. If you have questions regarding this information, please do not hesitate to contact us.

Respectfully Submitted,
Building & Earth Sciences, LLP

Enclosures : FO-1, ST-1



Rochael Heath
Submitted By

Field Observations Report

Project Name: **Lot 65 Pattons Point, Bill Clark Homes** Project Number: **14-0080**
Client Name: **Bill Clark Homes of Fayetteville** Placement#: **FO-1**
Contractor: **Bill Clark Homes of Fayetteville** Technician: **Aiken Jeter**
Monitoring:

1: DCP'S

Passed

Dynamic cone Penetrometer testing was performed on 3-6-2014 to determine the consistency of the near surface soils for the support of the planned residential structure.

We understand that the lot is a residential building lot and that Johnson Construction is requesting guidance in the preparation of the lot for a residence. The house will have a stem wall foundation and floor slab that will support the framing for the residence.

A series of 2 tests were performed to characterize the existing soils at the site.

SEC 1: Average DCP for -----FSG' was ___ 5 blows; Red/Brown Silty Soil (SM) Structural Fill
----- -1' was ___ 15+ blows; Red/Brown Silty Soil (SM)
----- -2' was ___ 9 blows; Tan Silty Soil (SM) Natural Ground
----- -3' was ___ 5 blows; Orange Silty Clay (SM/SC)

NWC 2: Average DCP for -----FSG' was ___ 5 blows; Tan/Brown Silty Soil (SM) Structural Fill
----- -1' was ___ 6 blows; Tan/brown Soil (SM)
----- -2' was ___ 12 blows; TopSoil (SM) Natural Ground
----- -3' was ___ 7 blows; Tan sand (SM)

2: Project Management Review

Passed

Our client has authorized Building & Earth Sciences to perform an evaluation of the prepared building pad for this project. The structure has a stem wall foundation, and the foundation walls have been backfilled to the slab grade using structural fill soils. It appears that between 1 and 2 feet of structural fill soils have been placed to achieve the slab grade. The intent of our testing was to determine if the newly placed structural fill soils have been compacted to 95% to support the floor slab and the interior lug footings.

Our evaluation included hand rod probing the entire area for consistency, performing hand auger borings with DCPs, and performing in place density tests to confirm compaction. Based upon our hand rod probing, the surface soils are firm and resistant to penetration. At selected locations, hand auger borings were advanced at 2 locations within the backfilled area. At 12-inch increments in the hand auger boring, to a depth of 3 feet, Dynamic Cone Penetrometer (DCP) Testing was performed in accordance with ASTM STP-399. With proper evaluation, DCP Testing can be correlated to both bearing capacity and percent compaction. Based upon our testing, the soils below the surface have been compacted properly at the locations tested.

While on site, our representative also performed in place density testing to confirm compaction of the surface soils. Our testing was performed using the sand cone method in general accordance with ASTM D-1556. Our results were compared to an in-field proctor that was performed in general accordance with ASTM D-698.

Therefore based upon the results of our testing, the newly placed fill soils have been compacted adequately to provide support for the interior lug foundations and the floor slab. Additionally, inclement weather (rain or snow), as well as construction traffic across the pad, can compromise the

Rochael Heath
Reviewed By

Field Observations Report

Project Name: **Lot 65 Pattons Point, Bill Clark Homes** Project Number: **14-0080**
Client Name: **Bill Clark Homes of Fayetteville** Placement#: **FO-1**
Contractor: **Bill Clark Homes of Fayetteville** Technician: **Aiken Jeter**
Monitoring:

stability and support characteristics of the surface soils. If the surface soils become compromised, it will be necessary to return to the site for re-testing. This decision should be executed by your onsite Quality Control and Superintendents.

Rockwell Heath
Reviewed By



Field Density Test Report

Project: Lot 65 Pattons Point, Bill Clark Homes 14-0080
Client: Bill Clark Homes of Fayetteville
 200 E Arlington Blvd
 200 E Arlington Blvd
 Greenville, NC 27858
Technician: Justin Jernigan
Distribution List: rainman8874@yahoo.com
 bwalkcr@billclarkhomes.com

Nuclear Gauge ID:

Test No.	Re-Test Stamp	Dry Density (pcf)	Moisture Content % ASTM D 4959	Maximum Dry Density (pcf)	Optimum Moisture Content %	Compaction %	Required Compaction %	USCS	Proctor Type	ASTM Method	Location of Tests	Depth
1		115.5	8.5	122.2	9.5	95%	95%	SC	ASTM D-698	ASTMD1556	Building Pad : Lot 65 Center of front wall : 10' back	FSG

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Rochael Heath