

Initial Application Date: 5-15-13

Application # 1350031319

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

**Owner:** H2H Constructors Inc.  
\*\*A RECORDED SURVEY MAP, RECORDED DEED (OR OFFER TO PURCHASE) & SITE PLAN ARE REQUIRED WHEN SUBMITTING A LAND USE APPLICATION\*\*

**Buyer:** McKEE HOMES LLC Mailing Address: 5112 PINE BIRCH DR.  
**LANDOWNER:** McKEE HOMES LLC City: RALEIGH State: NC Zip: 27606 Contact No: 910-322-2016 Email: GEOFF@McKEEHOMESNC.CO.

**APPLICANT:** McKEE HOMES LLC Mailing Address: S.A.A.

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Contact No: \_\_\_\_\_ Email: \_\_\_\_\_  
\*Please fill out applicant information if different than landowner

**CONTACT NAME APPLYING IN OFFICE:** GEOFF POTTER Phone # 910-322-2016

**PROPERTY LOCATION:** Subdivision: OAKMONT Lot #: 42 Lot Size: .5 AC

State Road # 1116 State Road Name: DOC'S ROAD Map Book & Page: 2012/479

Parcel: 0305070046 47 PIN: 0507-22-8123-000

Zoning: RA-20R Flood Zone: X Watershed: NA Deed Book & Page: O.T.P. Power Company\*: CENTRAL ELECTRIC

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

**PROPOSED USE:**  
 SFD: (Size 56 x 46) # Bedrooms: 5 # Baths: 2.5 Basement(w/wo bath): \_\_\_\_\_ Garage:  Deck: \_\_\_\_\_ Crawl Space: \_\_\_\_\_ Slab:  Slab: \_\_\_\_\_  
(Is the bonus room finished? (  ) yes ( ) no w/ a closet? (  ) yes ( ) 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:  County \_\_\_\_\_ Existing Well \_\_\_\_\_ New Well (# of dwellings using well \_\_\_\_\_) \*Must have operable water before final

Sewage Supply:  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 (  ) no

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

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

<b>Required Residential Property Line Setbacks:</b>	<b>Comments:</b>
Front Minimum _____ Actual <u>36</u>	_____
Rear _____ <u>52.08</u>	_____
Closest Side _____ <u>36</u>	_____
Sidestreet/corner lot _____	_____
Nearest Building on same lot _____	_____

SPECIFIC DIRECTIONS TO THE PROPERTY FROM LILLINGTON: \_\_\_\_\_

LEFT ON S-MAW ST.

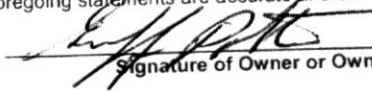
RIGHT ON W. OLD RD.

LEFT ON NC 27 W

LEFT ON DOC'S RD.

LEFT ON EXECUTIVE WAY

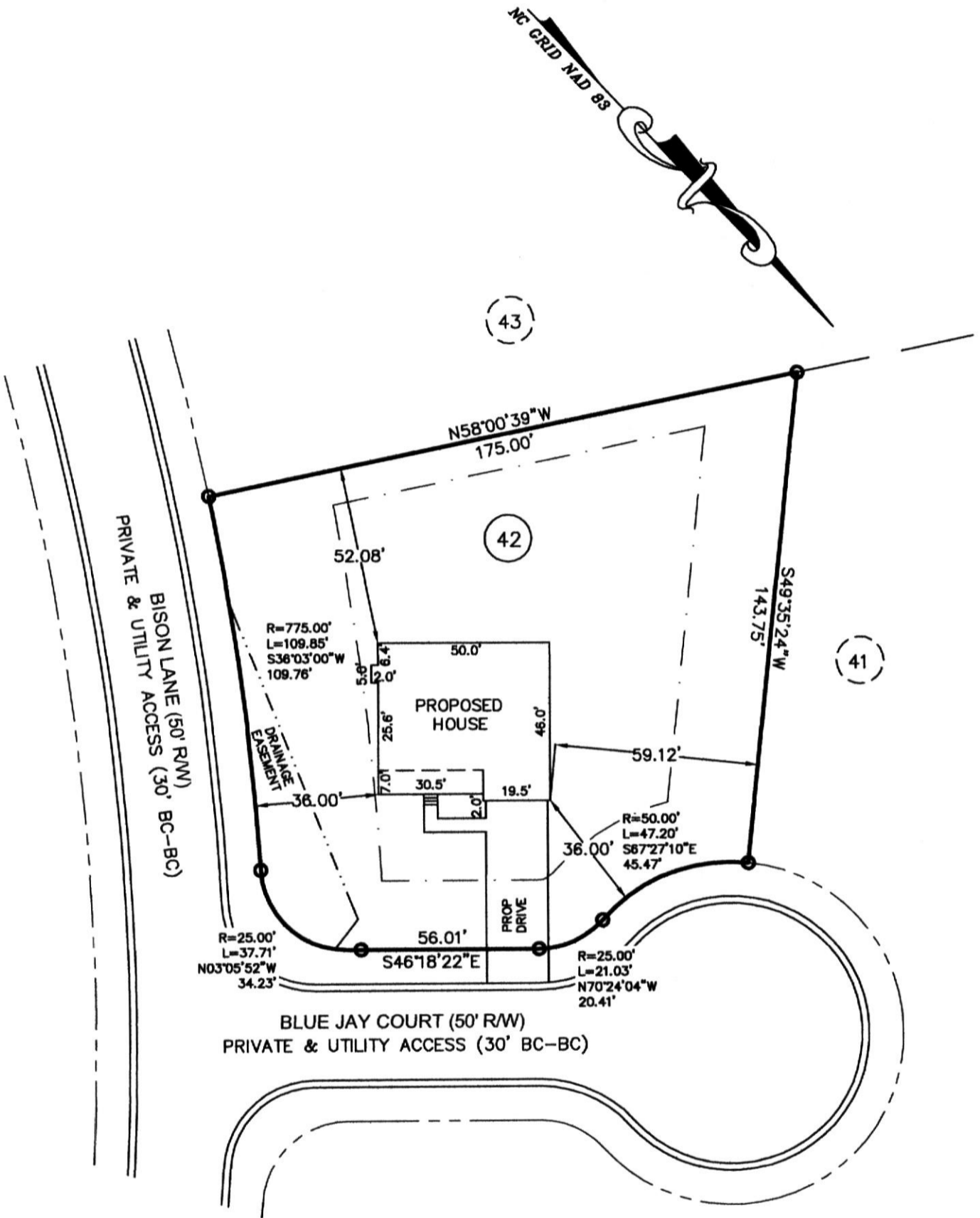
If permits are granted I agree to conform to all ordinances and laws of the State of North Carolina regulating such work and the specifications of plans submitted. I hereby state that foregoing statements are accurate and correct to the best of my knowledge. Permit subject to revocation if false information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

  
\_\_\_\_\_  
Signature of Owner or Owner's Agent

5/13/13  
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\*\*

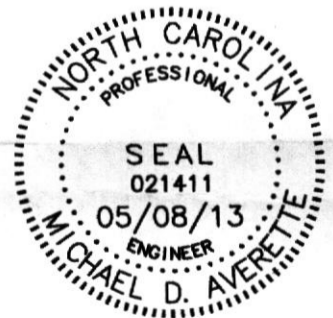


**PLOT PLAN**

SUBDIVISION: OAKMONT SUBDIVISION  
 PHASE ONE  
 SECTION ONE  
 MB 2012, PG 22

OWNER: MCKEE HOMES, LLC

SCALE: 1" = 40'



The design for the proposed sewage disposal system \_\_\_\_\_ approved.

Sanitarian Supervisor  
 Harnett County Health Dept.

Date \_\_\_\_\_

**Averette Engineering Co., P.A.**  
 Established 1970

CIVIL ENGINEERING  
 LAND SURVEYING  
 PLANNING

Address: 712 E. Lake Ridge Road  
 Raeford, NC 28376

Phone: (910) 488-5656  
 Fax: (910) 488-0181  
 License: C-0146  
 Web: www.averette-eng.com

*Michael D. Averette*  
 Michael D. Averette PE-021411  
 Professional Engineer  
 MAY 8, 2013  
 Date \_\_\_\_\_

OAKMONT LOT # 42

NAME: McKEE HOMES LLC

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

- **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.

\_\_\_\_\_  
PROPERTY OWNERS OR OWNERS LEGAL REPRESENTATIVE SIGNATURE (REQUIRED)

5/13/13  
DATE

Riddick

09/09/11

Application #

1350031319

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 McKEE HOMES LLC. Date 6/22/13

Site Address 15 Blue Jay Ct Phone 910-322-2016

Directions to job site from Lillington LEFT ON W. OLD ST.

LEFT ON NC 27 W

LEFT ON DOC'S RD

Subdivision LEFT ON EXECUTIVE WAY Lot 42

Description of Proposed Work SINGLE FAMILY RESIDENTIAL # of Bedrooms 5

Heated SF 3109 Unheated SF 815 Finished Bonus Room?  Crawl Space  Slab  STEM Wall

**General Contractor Information**

GML DEVELOPMENT INC Telephone 910-322-2016

Building Contractor's Company Name 120 NANDINA CT. FAYETTEVILLE, NC 28311 Email Address GEOFF@MCKEEHOMESNC.COM

Address 63970  
License #

**Electrical Contractor Information**

Description of Work SINGLE FAMILY RESIDENTIAL Service Size 200 Amps T-Pole  Yes  No

SANDY RIDGE ELECTRIC Telephone 910-323-2458

Electrical Contractor's Company Name 454 WHITEHEAD RD. FAYETTEVILLE, NC 28312 Email Address KEITH@SANDYRIDGEELECTRIC.COM

Address 160064  
License #

**Mechanical/HVAC Contractor Information**

Description of Work SINGLE FAMILY RESIDENTIAL Telephone 910-858-0000  
CERTIFIED HEATING & A/C

Mechanical Contractor's Company Name P.O. BOX 1071 HOPE MILLS, NC 28348 Email Address CERTIFIEDHEATAIR@EMBARQ MAIL.COM

Address 20012 H3-1  
License #

**Plumbing Contractor Information**

Description of Work SINGLE FAMILY RESIDENTIAL # Baths 2.5 Telephone 910-818-4863  
DELL HAIRE PLUMBING

Plumbing Contractor's Company Name P.O. BOX 65048 FAYETTEVILLE, NC 28306 Email Address DELLHAIREPLUMBING@HOTMAIL.COM

Address 24204 PL  
License #

**Insulation Contractor Information**

CUMBERLAND INSULATION Telephone 910-484-7118  
Insulation Contractor's Company Name & Address

\*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

G. P. Potts  
Signature of Owner/Contractor/Officer(s) of Corporation

6/22/13  
Date

**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 GML DEVELOPMENT INC

Sign w/Title G. P. Potts Project Manager Date 6/22/13

### Designated Lien Agent

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First American Title Insurance Company

Entry Number: 13768

Filed by: gpotter

*Online:* [www.liensnc.com](http://www.liensnc.com)

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

*Email:* [support@liensnc.com](mailto:support@liensnc.com)

*Fax:* (919) 489-5231

*Technical Support Hotline* (888) 690-7384

Payment Amount: \$25.00

Filing Date: 05/27/2013



### Owner Information

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McKee Homes, LLC

5112 Pine Birch Dr.

Raleigh

NC

27606

910-322-2016

### Project Property

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Lot 42 15 Blue Jay Ct Oakmont

Lilington

Map:

Block:

Lot:

Property Type: 1-2 Family Dwelling

### Original Contractor

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### Date of First Furnishing

---

06/03/2013

### Pre-Permit Workers

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None

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.

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Application Number . . . . . 13-50031319           Date 7/08/13
Property Address . . . . . 15 BLUE JAY CT
PARCEL NUMBER . . . . . 03-0507- - -0046- -47-
Application type description CP NEW RESIDENTIAL (SFD)
Subdivision Name . . . . . OAKMONT PH1 SECT2 25LOTS
Property Zoning . . . . . RES/AGRI DIST - RA-20R

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Owner                                     Contractor
-----
H & H CONSTRUCTORS INC                   GML DEVELOPMENT INC
2919 BREEZEWOOD AVE                     5112 PINE BIRCH DRIVE
STE 400                                  RALEIGH NC 27606
FAYETTEVILLE NC 28303                 (919) 793-5237
(910) 486-4864

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Applicant
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MCKEE HOMES LLC #42
5112 PINE BIRCH DR
RALEIGH NC 27606
(910) 322-2016

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--- Structure Information 000 000 56X46 5BDR SLAB W/ GARAGE
Flood Zone . . . . . FLOOD ZONE X
Other struct info . . . . . # BEDROOMS 5000000.00
                               PROPOSED USE SFD
                               SEPTIC - EXISTING? NEW TANK
                               WATER SUPPLY COUNTY

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Permit . . . . . BLDG, MECH, ELEC, PLB, INSU PERMIT
Additional desc . .
Phone Access Code . 989962
Issue Date . . . . 7/08/13           Valuation . . . . . 0
Expiration Date . . 7/08/14

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Special Notes and Comments
T/S: 05/15/2013 01:01 PM JBROCK ----
OAKMONT LOT #42
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PERMIT INCLUDES BLDG, ELEC, MECH, PLUMB
INSULATION AND LAND USE.
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Work must conform and comply with the
STATE BUILDING CODE and all other State
and local laws, ordinances & regulations

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_____
_____

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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 7/08/13

Application Number . . . . . 13-50031319  
Property Address . . . . . 15 BLUE JAY CT  
PARCEL NUMBER . . . . . 03-0507- - -0046- -47-  
Application description . . . CP NEW RESIDENTIAL (SFD)  
Subdivision Name . . . . . OAKMONT PH1 SECT2 25LOTS  
Property Zoning . . . . . RES/AGRI DIST - RA-20R

Permit . . . . . BLDG,MECH,ELEC,PLB,INSU PERMIT

Additional desc . . .  
Phone Access Code . . . . . 989962

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 : 15 BLUE JAY CT SUBDIV: OAKMONT PH1 SECT2 25LOTS  
CONTRACTOR : GML DEVELOPMENT INC PHONE : (919) 793-5237  
OWNER : H & H CONSTRUCTORS INC PHONE : (910) 486-4864  
PARCEL : 03-0507- - -0046- -47-  
APPL NUMBER: 13-50031319 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : T/S: 05/15/2013 01:01 PM JBROCK ----  
OAKMONT LOT #42

STRUCTURE: 000 000 56X46 5BDR SLAB W/ GARAGE

FLOOD ZONE : FLOOD ZONE X  
# BEDROOMS : 5000000.00  
SEPTIC - EXISTING? : NEW TANK

PROPOSED USE : SFD  
WATER SUPPLY : CITY

SCANNED  
DATE

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	7/12/13	MR	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002408995
	7/12/13	AP	T/S: 07/11/2013 12:45 PM VBROWN ----- T/S: 07/12/2013 03:06 PM MREARIC -----
A814 01	7/19/13	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002412179
	7/23/13	AP	15 BLUE JAY CT LILLINGTON 27546 T/S: 07/23/2013 02:45 PM TWARD -----
B103 01	7/19/13	MR	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002412153
	7/19/13	AP	T/S: 07/19/2013 12:41 PM MREARIC -----
B104 01	7/24/13	JB	R*FOUND & SETBACK VERIF SURVEY TIME: 17:00 VRU #: 002414936
	7/24/13	AP	T/S: 07/24/2013 08:03 AM JBROCK -----
P309 01	7/25/13	MR	R*PLUMB UNDER SLAB VRU #: 002415271
	7/25/13	AP	T/S: 07/25/2013 02:40 PM MREARIC -----
B111 01	7/29/13	TI	R*BLDG SLAB INSP/TEMP SVC POLE VRU #: 002416717

11 AP-MR

COMMENTS AND NOTES

1hs. in Found. walls

McKee Homes  
5112 Pine Birch Drive  
Raleigh, NC 27606

07/26/2013

Attention : Dave Potter

**RE:** Daily Field Report for 07/24/2013  
Lot 42 Oakmont Subdivision, McKee Homes  
BES Project No : 13-0356

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 Observation-lot 4 Passed
- Project Management Review Passed

**ST-1 :** In place field density testing was performed for BNR 3 NRCY Channel. 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.

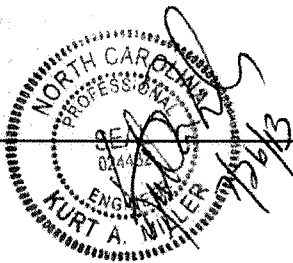
**Closing**

**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

610 Spring Branch Rd.  
Dunn, North Carolina 28334  
Phone (910) 292-2085 Fax (910) 292-2087  
www.buildingandearth.com



*Rachael Heath*  
Submitted By

*Inspection  
7/29*

## Field Observations Report

Project Name: Lot 42 Oakmont Subdivision, McKee Homes      Project Number: 13-0356  
Client Name: McKee Homes      Placement#: FO-1  
Contractor: H & H Homes      Technician: Jason Bryant  
Monitoring:

### 1: DCP Observation-lot 4

Passed

Dynamic cone Penetrometer testing was performed on this date 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-42 and that McKee Homes is requesting guidance in the preparation of the lot for a residence. The house has a stem-wall foundation that will be supported by the newly placed structural fill.

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

Center Right: Average DCP for -0' was \_\_\_ 9 blows; Orange/Tan Silty Clay (Fill material)  
----- -1' was \_\_\_ 10 blows; Orange Silty Clay  
----- -2' was \_\_\_ 11 blows; Brown/Tan orange Silty sand  
----- -3' was \_\_\_ 13 blows; Brown/Tan Silty Sand

Center Left: Average DCP for -0' was \_\_\_ 8 blows; orange Silty Sand (Fill material)  
----- -1' was \_\_\_ 9 blows; Tan Silty Sand  
----- -2' was \_\_\_ 10 blows; Grey/Tan Silty sand  
----- -3' was \_\_\_ 13 blows; Brown/white Silty Sand

Note: Water draining from the adjacent lot has carved a rill. Water is pooling 10' away from foundation footing and causing soft conditions near footing. Water needs to be diverted away from foundation.

### 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 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.

### Field Observations Report

Project Name: **Lot 42 Oakmont Subdivision, McKee Homes**      Project Number: **13-0356**  
Client Name: **McKee Homes**      Placement#: **FO-1**  
Contractor: **H & H Homes**      Technician: **Jason Bryant**  
Monitoring:

*Rockael Heath*  
Reviewed By



**Field Density Test Report**

**Project:** Lot 42 Oakmont Subdivision, McKee Homes  
**Client:** McKee Homes  
 5112 Pine Birch Drive  
 Raleigh, NC 27606  
**Technician:** Jason Bryant  
**Distribution List:** dave@mckeehomesnc.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		115.7	10.5	120	10.2	96%	95%	SC	ASTM D-698	ASTMD1556	BNR 3 NRCY Channel : Front Right Center of pad :	FSG

*Rachael Heath*

Reviewed By

COUNTY OF HARNETT  
Building Inspections Department  
Planning Services

Certificate of Compliance: X Occupancy: X

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: R-3

Name: GML Development, Inc

Address: 15 Blue Jay Ct.

Permit Numbers

Building: 13-50031319

Electrical:   

Insulation:   

Plumbing:   

Mechanical:   

MFG Home:   

Date: 10-17-13

Building Official: T. Michael Reanis



ADDRESS : 15 BLUE JAY CT SUBDIV: OAKMONT PH1 SECT2 25LOTS  
 CONTRACTOR : GML DEVELOPMENT INC PHONE : (919) 793-5237  
 OWNER : H & H CONSTRUCTORS INC PHONE : (910) 486-4864  
 PARCEL : 03-0507- - -0046- -47-  
 APPL NUMBER: 13-50031319 CP NEW RESIDENTIAL (SFD)  
 DIRECTIONS : T/S: 05/15/2013 01:01 PM JBROCK ----  
 OAKMONT LOT #42

**STRUCTURE: 000 000 56X46 5BDR SLAB W/ GARAGE**

FLOOD ZONE : FLOOD ZONE X  
 # BEDROOMS : 5000000.00 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	7/12/13	MR	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002408995
	7/12/13	AP	T/S: 07/11/2013 12:45 PM VBROWN ----- T/S: 07/12/2013 03:06 PM MREARIC -----
A814 01	7/19/13	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002412179
	7/23/13	AP	15 BLUE JAY CT LILLINGTON 27546 T/S: 07/23/2013 02:45 PM TWARD -----
B103 01	7/19/13	MR	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002412153
	7/19/13	AP	T/S: 07/19/2013 12:41 PM MREARIC -----
B104 01	7/24/13	JB	R*FOUND & SETBACK VERIF SURVEY TIME: 17:00 VRU #: 002414936
	7/24/13	AP	T/S: 07/24/2013 08:03 AM JBROCK -----
P309 01	7/25/13	MR	R*PLUMB UNDER SLAB VRU #: 002415271
	7/25/13	AP	T/S: 07/25/2013 02:40 PM MREARIC -----
B111 01	7/29/13	MR	R*BLDG SLAB INSP/TEMP SVC POLE VRU #: 002416717
	7/29/13	AP	T/S: 07/29/2013 01:03 PM MREARIC ----- insul in found. walls rec.d eng on compaction
R425 01	8/27/13	MR	FOUR TRADE ROUGH IN VRU #: 002431559
	8/27/13	DA	T/S: 08/27/2013 02:40 PM MREARIC ----- some garage bolts missing and air barriers need sealing / ok to s & I
I129 01	8/29/13	MR	R*INSULATION INSPECTION TIME: 17:00 VRU #: 002433050
	8/29/13	AP	T/S: 08/29/2013 02:13 PM MREARIC -----
R425 02	8/29/13	MR	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002433043
	8/29/13	DA	T/S: 08/29/2013 02:13 PM MREARIC ----- sheath inside garage wall
I129 02	8/30/13	MR	R*INSULATION INSPECTION TIME: 17:00 VRU #: 002433688
	8/30/13	AP	T/S: 08/30/2013 01:39 PM MREARIC -----
R425 03	8/30/13	MR	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002433704
	8/30/13	AP	T/S: 08/30/2013 01:39 PM MREARIC -----
E209 01	9/30/13	MR	R*ELEC TEMP POWER CERT TIME: 17:00 VRU #: 002446375
	9/30/13	AP	T/S: 09/30/2013 01:34 PM MREARIC -----
H824 01	10/02/13	OT	ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 002448660
	10/02/13	AP	T/S: 10/03/2013 10:20 AM SSTEWARD ----- T/S: 10/03/2013 10:20 AM SSTEWARD -----
R429 01	10/17/13	TI	FOUR TRADE FINAL TIME: 17:00 VRU #: 002453603

*Handwritten:* 11 AP-MR

COMMENTS AND NOTES