

Initial Application Date: 6-14-13

Application # 1350031523  
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: McKEE HOMES LLC Mailing Address: 5112 PINE BIRCH DR.  
City: RALEIGH State: NC Zip: 27606 Contact No: 910-322-2016 Email: GEOFF@McKEEHOMES.NC.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 #: 14 Lot Size: 2.56 AC

State Road # 1116 State Road Name: DOC'S ROAD Map Book & Page: 2012/22

Parcel: 0305070046 14 PIN: 0507-33-6922-000

Zoning: RA-20R Flood Zone: X Watershed: NA Deed Book & Page: 2881/134 Power Company: CENTRAL ELECTRIC

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

**PROPOSED USE:**

SFD: (Size 77 x 62) # Bedrooms: 4 # Baths: 3.5 Basement(w/w 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)  
counted as a Bedroom

Mod: (Size \_\_\_\_\_ x \_\_\_\_\_) # Bedrooms \_\_\_\_\_ # Baths \_\_\_\_\_ Basement (w/w 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): \_\_\_\_\_

**Required Residential Property Line Setbacks:**

Front Minimum 35 Actual 360  
Rear 25 157.18  
Closest Side 10 20.58  
Sidestreet/corner lot \_\_\_\_\_  
Nearest Building on same lot \_\_\_\_\_

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

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

LEFT ON J-MAW ST.

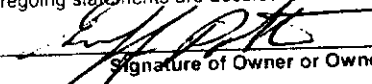
RIGHT ON W. OLD RD.

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.

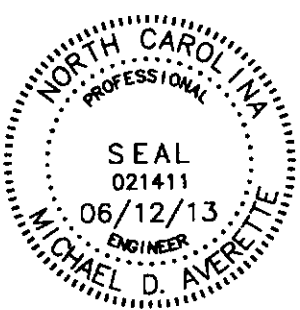
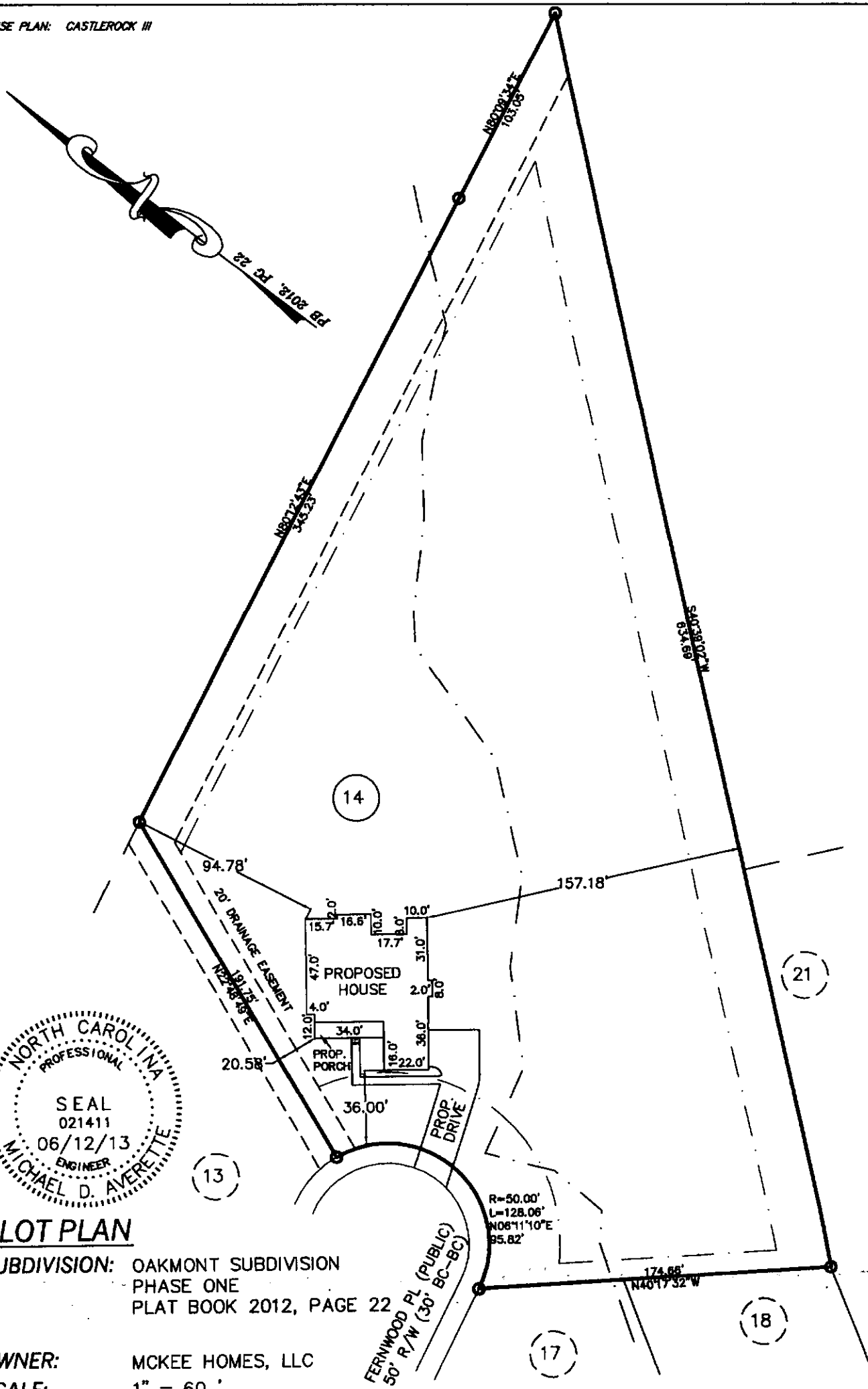
  
\_\_\_\_\_  
Signature of Owner or Owner's Agent

6/11/13  
\_\_\_\_\_  
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\*\*

HOUSE PLAN: CASTLEROCK III



### PLOT PLAN

**SUBDIVISION:** OAKMONT SUBDIVISION  
 PHASE ONE  
 PLAT BOOK 2012, PAGE 22

**OWNER:** MCKEE HOMES, LLC

**SCALE:** 1" = 60'

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

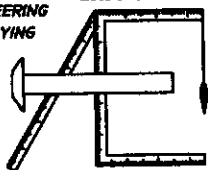
Sanitarian Supervisor  
 Harnett County Health Dept.

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

JUNE 12, 2013

Date

PPLAN123 U

OAKMONT LOT #14

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 OWNER'S LEGAL REPRESENTATIVE SIGNATURE (REQUIRED)

*[Handwritten Signature]*

6/11/13  
DATE



6/13/13

To Whom it may Concern,

Oakmont Development Partners, LLC hereby gives McKee Homes, LLC the right to begin applying for permits & beginning construction of lots 14, 24 & 30 in Oakmont before the lots are purchased.

Sincerely,

Patrick McKee  
Managing Member  
5112 Pine Birch Dr  
Raleigh, NC 27606  
919-793-5237

09/09/11

Application #

13-50031523

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 7/23/13  
Site Address 100 Fernwood 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 Oakmont LEFT ON EXECUTIVE WAY Lot 14  
Description of Proposed Work SINGLE FAMILY RESIDENTIAL # of Bedrooms 4  
Heated SF 3083 Unheated SF 1378 Finished Bonus Room?  Crawl Space  Slab

**General Contractor Information**

GML DEVELOPMENT INC 910-322-2016  
Building Contractor's Company Name Telephone  
120 NANDINA CT. FAYETTEVILLE, NC 28311 GEOFF@MCKEEHOMESNC.COM  
Address Email Address  
63970

**Electrical Contractor Information**  
Description of Work SINGLE FAMILY RESIDENTIAL Service Size 200 Amps T-Pole  Yes  No  
SANDY RIDGE ELECTRIC 910-323-2458  
Electrical Contractor's Company Name Telephone  
454 WHITEHEAD RD. FAYETTEVILLE, NC 28312 KEITH@SANDYRIDGEELECTRIC.COM  
Address Email Address  
100064

**Mechanical/HVAC Contractor Information**

Description of Work SINGLE FAMILY RESIDENTIAL  
CERTIFIED HEATING & A/C  
Mechanical Contractor's Company Name Telephone 910-858-0000  
P.O. BOX 1071 HOPE MILLS, NC 28348 CERTIFIEDHEATAIR@EMBARQ  
Address Email Address MAIL.COM  
20012 H3-1

**Plumbing Contractor Information**

Description of Work SINGLE FAMILY RESIDENTIAL # Baths 3.5  
DELL HAIRE PLUMBING 910-818-4863  
Plumbing Contractor's Company Name Telephone  
7612 DOCUMENTARY DR. FAYETTEVILLE, NC DELLHAIREPLUMBING@HOTMAIL.COM  
Address 28306 Email Address  
24204 PL

**Insulation Contractor Information**

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

\*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. Potts*  
Signature of Owner/Contractor/Officer(s) of Corporation

7/23/13  
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. Potts* Project Manager Date 7/23/13

**Designated Lien Agent**

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First American Title Insurance Company

*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

Entry Number: 25299

Filed by: gpotter

Payment Amount: \$25.00

Filing Date: 07/07/2013



**Owner Information**

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McKee Homes, LLC

5112 Pine Birch Dr.

Raleigh

NC

27606

910-322-2016

**Project Property**

---

Lot 14 Oakmont 100 Fernwood

Map:

Lillington

Block:

NC

Lot:

Property Type: 1-2 Family Dwelling

**Original Contractor**

---

**Date of First Furnishing**

---

07/12/2013

**Pre-Permit Workers**

---

None

**Pre-Permit Worker Emails**

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09/09/11

SCANNED

Application #

13-50031523

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.

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Site Address: 100 Fernwood Ct Phone: 910-322-2016
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Subdivision: Oakmont LEFT ON EXECUTIVE WAY Lot: 14
Description of Proposed Work: SINGLE FAMILY RESIDENTIAL # of Bedrooms: 4
Heated SF: 3083 Unheated SF: 1378 Finished Bonus Room? [checked] Crawl Space: [ ] Slab: [checked]

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Address Email Address
63970

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Electrical Contractor's Company Name Telephone
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Date

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Company or Name GML DEVELOPMENT INC

Sign w/Title *G. P. Potts* Project Manager Date 7/23/13



**Designated Lien Agent**

---

First American Title Insurance Company

**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

Entry Number: 25299

Filed by: gpotter

Payment Amount: \$25.00

Filing Date: 07/07/2013

**Owner Information**

---

McKee Homes, LLC

5112 Pine Birch Dr.

Raleigh NC 27606

910-322-2016

**Project Property**

---

Lot 14 Oakmont 100 Fernwood

Lillington

NC

Map:

Block:

Lot:

Property Type: 1-2 Family Dwelling

**Original Contractor**

---

**Date of First Furnishing**

---

07/12/2013

**Pre-Permit Workers**

---

**Pre-Permit Worker Emails**

---

None

Plan Box # I2

Date 7-24-13

Job Name McKee

App # 31523

Valuation 233,118

SQ Feet 3588

**Inspections for SFD/SFA**

Crawl \_\_\_\_\_

Slab \_\_\_\_\_

Mono

Footing	Footing	Plumbing Under Slab
Foundation	Foundation	Ele. Under Slab
Address	Address	Address
Open Floor	Slab	Mono Slab
Rough In	Rough In	Rough In
Insulation	Insulation	Insulation
Final	Final	Final

>2500 \_\_\_\_\_

>2500 \_\_\_\_\_

>2500 \_\_\_\_\_

Foundation Survey

Envir. Health

Other \_\_\_\_\_

**Additions / Other**

Footing \_\_\_\_\_

Foundation \_\_\_\_\_

Slab \_\_\_\_\_

Mono \_\_\_\_\_

Open Floor \_\_\_\_\_

Rough In \_\_\_\_\_

Insulation \_\_\_\_\_

Final \_\_\_\_\_

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 . . . . .	13-50031523	Date	8/01/13
Property Address . . . . .	100 FERNWOOD PL		
PARCEL NUMBER . . . . .	03-0507- - -0046- -14-		
PIN . . . . .	0507-33-6922.00		
Application type description	CP NEW RESIDENTIAL (SFD)		
Subdivision Name . . . . .	OAKMONT PHASE 1 SECT1		
Property Zoning . . . . .	RES/AGRI DIST - RA-20R		

Owner

-----

OAKMONT DEV PTNRS LLC  
5112 PINE BIRCH DRIVE  
RALEIGH NC 27606

Contractor

-----

GML DEVELOPMENT INC  
5112 PINE BIRCH DRIVE  
RALEIGH NC 27606  
(919) 793-5237

Applicant

-----

MCKEE HOMES LLC #14  
5112 PINE BIRCH DR  
RALEIGH NC 27606  
(910) 332-2016

--- Structure Information 000 000 77X62 4BDR SLAB W/ GARAGE

Flood Zone . . . . .	FLOOD ZONE X	
Other struct info . . . . .	# BEDROOMS	4000000.00
	PROPOSED USE	SFD
	SEPTIC - EXISTING?	NEW TANK
	WATER SUPPLY	COUNTY

-----

Permit . . . . .	BLDG, MECH, ELEC, PLB, INSU PERMIT		
Additional desc . . . . .			
Phone Access Code . . . . .	993998		
Issue Date . . . . .	7/29/13	Valuation . . . . .	0
Expiration Date . . . . .	7/29/14		

-----

Special Notes and Comments

T/S: 06/14/2013 11:29 AM JBROCK ----  
OAKMONT #14  
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

-----

\_\_\_\_\_

\_\_\_\_\_

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 . . . . .	13-50031523	Page	2
Property Address . . . . .	100 FERNWOOD PL	Date	8/01/13
PARCEL NUMBER . . . . .	03-0507- - -0046- -14-		
PIN . . . . .	0507-33-6922.00		
Application description . . . .	CP NEW RESIDENTIAL (SFD)		
Subdivision Name . . . . .	OAKMONT PHASE 1 SECT1		
Property Zoning . . . . .	RES/AGRI DIST - RA-20R		
Permit . . . . .	BLDG, MECH, ELEC, PLB, INSU PERMIT		
Additional desc . . . . .			
Phone Access Code . . . . .	993998		

Required Inspections

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



ADDRESS : 100 FERNWOOD PL SUBDIV: OAKMONT PHASE 1 SECT1  
CONTRACTOR : GML DEVELOPMENT INC PHONE : (919) 793-5237  
OWNER : OAKMONT DEV PTNRS LLC PHONE :  
PARCEL : 03-0507- - -0046- -14-  
APPL NUMBER: 13-50031523 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : T/S: 06/14/2013 11:29 AM JBROCK ----  
OAKMONT #14

STRUCTURE: 000 000 77X62 4BDR SLAB W/ GARAGE

FLOOD ZONE : FLOOD ZONE X  
# BEDROOMS : 4000000.00 PROPOSED USE : SFD  
SEPTIC - EXISTING? : NEW TANK WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	8/02/13 8/06/13	TW AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002419521 100 fernwood pl lillington 27546 T/S: 08/06/2013 12:20 PM TWARD -----
B101 01	8/02/13 8/02/13	MR AP	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002419539 T/S: 08/02/2013 02:27 PM MREARIC -----
B103 01	8/07/13 8/07/13	MR AP	R*BLDG FOUND & TEMP SVC POLE VRU #: 002421790 T/S: 08/07/2013 01:55 PM MREARIC -----
P309 01	8/13/13 8/13/13	MR AP	R*PLUMB UNDER SLAB VRU #: 002424695 T/S: 08/13/2013 03:23 PM MREARIC -----
B104 01	8/14/13 8/14/13	JB AP	R*FOUND & SETBACK VERIF SURVEY TIME: 17:00 VRU #: 002425973
B111 01	8/15/13 " <i>AP MR</i>	TI	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002425965

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



McKee Homes  
5112 Pine Birch Drive  
Raleigh, NC 27606

08/13/2013

Attention : Dave Potter

**RE:** Daily Field Report for 08/12/2013  
Oakmont Subdivision, McKee Homes  
BES Project No : 13-0379

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-14 :** Field Observations made on this date.

- DCP Observation lot-14 Passed
- Project Management Review Passed

**ST-14 :** In place field density testing was performed for Building Pads. 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-14, ST-14



*Rachael Heath*  
Submitted By

## Field Observations Report

Project Name: **Oakmont Subdivision, McKee Homes** Project Number: **13-0379**  
Client Name: **McKee Homes** Placement#: **FO-14**  
Contractor: Technician: **Jason Bryant**  
Monitoring:

### 1 : DCP Observation lot-14

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-14 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.

Front Right: Average DCP for -0' was     7 blows; orange silty Sand (SM)(Fill material)  
----- -1' was     8 blows; Orange Silty Sand  
----- -2' was     13 blows; Tan orange Silty sand  
----- -3' was     13 blows; Brown/Red Silty Clay

Back Left: Average DCP for -0' was     7 blows; Orange/Tan Silty Sand (Fill material)  
----- -1' was     9 blows; Tan Silty Sand(SM)  
----- -2' was     10 blows; Tan Silty sand  
----- -3' was     10 blows; Brown Silty Sand

### 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 3 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: **Oakmont Subdivision, McKee Homes**  
Client Name: **McKee Homes**  
Contractor:  
Monitoring:

Project Number: **13-0379**  
Placement#: **FO-14**  
Technician: **Jason Bryant**

*Richard Heath*  
Reviewed By

**Field Density Test Report**

**Project:** Oakmont Subdivision, McKee Homes  
 13-0379  
 Technician: Jason Bryant

**Client:** McKee Homes  
 5112 Pine Birch Drive  
 Raleigh, NC 27606

**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		111.9	9.6	117	10	96%	95%	SM		ASTM D 1556	Building Pads - Form Right Center of pad:	RSG

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 Dunn, North Carolina 28334  
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 www.buildingandearth.com

*Rodrad Heath*  
 Reviewed By