

-----  
ADDRESS : 46 BUNTING DR SUBDIV: OAKMONT PH1 SC3 52LOTS  
CONTRACTOR : GML DEVELOPMENT INC PHONE : (919) 793-5237  
OWNER : OAKMONT DEV PTNRS LLC PHONE :  
PARCEL : 03-0507-01- -0046- -24-  
APPL NUMBER: 16-50038419 CP NEW RESIDENTIAL (SFD)  
-----

DIRECTIONS : T/S: 04/07/2016 11:40 AM JBROCK ----  
OAKMONT #104  
-----

**STRUCTURE: 000 000 74X70 4BDR MONO W/ GARAGE**

FLOOD ZONE : FLOOD ZONE X  
# BEDROOMS : 4000000.00 PROPOSED USE : SFD  
SEPTIC - EXISTING? : NEW TANK WATER SUPPLY : COUNTY  
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**PERMIT: CPSF 00 CP \* SFD**

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	7/07/16 7/06/16	TW AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002840668 46 BUNTING DR LILLINGTON 27546 T/S: 07/06/2016 04:40 PM TWARD -----
P309 01	7/07/16 7/12/16	MR AP	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 002840684 T/S: 07/12/2016 02:09 PM MREARIC -----
B114 01	7/12/16 7/12/16	MR DA	R*BLDG MONO SLAB/TEMP SVC POLE TIME: 17:00 VRU #: 002841856 * OVERRIDE TAKEN BY JBROCK DATE: 07/08/16 TIME: 14:06:43 T/S: 07/08/2016 02:06 PM JBROCK ----- someone please sign off on the plumbing under slab T/S: 07/12/2016 02:10 PM MREARIC ----- rec.d compaction , but slab not ready
B114 02	7/13/16 <u>11</u>	TI <u>AP-UR</u>	R*BLDG MONO SLAB/TEMP SVC POLE TIME: 17:00 VRU #: 002843134 T/S: 07/12/2016 02:30 PM JBROCK -----

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

*Rec'd  
Comp. Report*

McKee Homes  
101 Hay Street, 2nd Floor  
Fayetteville, NC 28301

06/22/2016

Attention : C Morgan

**RE:** Daily Field Report for 06/21/2016  
Lot 104 Oakmont Subdivision (CMT) Lillington, NC  
Building & Earth Project No : RD160330

Ladies and Gentlemen:

On this date, representative(s) of Building & Earth 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.

- dcps on lot 104
- Project Management review

Passed  
Passed

**ST-1 :** In place field density testing was performed for Finished Subgrade Soils -Building. The field density testing was performed in general accordance with ASTM D1556, using values from the laboratory proctors. A total of 2 in-place field density tests were 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 Road  
Dunn, NC 28334  
Phone 910-292-2085 Fax 910-292-2192  
www.BuildingandEarth.com



*Richard Heath*

Reviewed By

## Field Observations Report

Project Name: **Lot 104 Oakmont Subdivision (CMT)**  
**Lillington, NC** Project Number: **RD160330**  
Client Name: **McKee Homes** Placement#: **FO-1**  
Contractor: **McKee Homes** Technician: **Damian Thomas**  
Monitoring: **DCP**

**1 : dcps on lot 104**

Passed

We arrived onsite to evaluate the building pad area for this residential lot. We understand the residence has been designed to be supported on a monolithic slab foundation. Upon arrival, the contractor had not finished excavating the footings. Our evaluation as documented in this report includes:

- 1) A visual description of the residential lot
- 2) Comments on any improvements that affect the foundations of the residence
- 3) Hand rod probing of the footing excavations
- 4) Performing Dynamic Cone Penetration (DCP) tests at representative locations
- 5) Soil Density tests on fill, if applicable.

Visual Description of the Lot:

The lot generally slopes downward from back to front. Building locations are referenced from the street looking at the front of the residence. Maximum relief across the lot is approximately 15 feet. Surface water runoff appears to drain toward the road.

Comments on Improvements:

The site (is not stripped, has been stripped of surface cover and topsoil. It appears that 12-24 inches of topsoil has been removed from the building pad area.

Structural fill has been placed at the site to level the building pad. Based on our observation, we understand the pad has been cut or filled according to the following:

Section-----Thickness of Cut or Fill  
Left Front-----36 inches of fill  
Left Rear-----24 inches of cut  
Center-----12 inches of cut  
Right Front-----36 inches of fill  
Right Rear-----24 inches of cut

Measurements:

- 1) What is the proposed depth of footing? 2ft
- 2) What is the distance from the outside edge of footing to top edge of the nearest slope? 5ft
- 3) What is the distance from the outside edge of footing to the outside edge (toe) of the nearest slope? 10ft
- 4) What is the vertical height of the slope? 3ft

Future Footing Tests

Hand Rod Probing: Our representative performed hand rod probing of the surface of the building pad. Hand rod probing of the bearing material generally showed an average penetration of approximately 1 inch. Areas of soft material were noted near the front left corner with the hand rod probing to a depth of about 6 inches. Our representative did not observe standing water or evidence of standing water on the footing's bearing surface .

### Field Observations Report

Project Name: **Lot 104 Oakmont Subdivision (CMT)**  
Lillington, NC  
Project Number: **RD160330**  
Client Name: **McKee Homes**  
Placement#: **FO-1**  
Contractor: **McKee Homes**  
Technician: **Damian Thomas**  
Monitoring: **DCP**

DCP Testing: Our representative performed Dynamic Cone Penetration (DCP) testing in general accordance with ASTM STP-399 at four representative locations to a depth of 36 inches. Our representative did not observe water within the DCP boreholes as noted below.

The following information provides the results of our hand auger borings and DCP testing:

Test 1: [Front right corner]

-- Depth----"N"-----Soil Color---USCS-----Notes:  
--- FSG -- 7 --- orange --- SM ----- Note 1: Water (not) encountered at 0.0 feet  
--- -1' --- 9--- orange brown ---- SM ----- Note 2: Water (not) encountered (at 0.0 feet)  
--- -2' ---12 --- Orange brown ----- CL ---- Note 3: Water (not) encountered (at 0.0 feet)  
--- -3' --- 14 --- Orange red ----- CL ----

Test 2: [Back right corner]

-- Depth----"N"-----Soil Color---USCS-----Notes:  
--- FSG -- 9 --- Orange --- SM ----- Note 1: Water (not) encountered at 0.0 feet  
--- -1' --- 10 --- Orange brown ---- SM ----- Note 2: Water (not) encountered (at 0.0 feet)  
--- -2' --- 10 --- Orange brown ----- CL ---- Note 3: Water (not) encountered (at 0.0 feet)  
--- -3' --- 13 --- Orange red ----- CL ----

Test 3: [Back left corner]

-- Depth----"N"-----Soil Color---USCS-----Notes:  
--- FSG -- 6--- Orange--- SM ----- Note 1: Water (not) encountered at 0.0 feet  
--- -1' --- 10 --- Orange brown ---- SM ----- Note 2: Water (not) encountered (at 0.0 feet)  
--- -2' --- 7 --- Orange brown----- SM ---- Note 3: Water (not) encountered (at 0.0 feet)  
--- -3' --- 8--- Orange brown----- SM ----

Test 4[Front left corner]

-- Depth----"N"-----Soil Color---USCS-----Notes:  
--- FSG -- 6 --- Orange --- SM ----- Note 1: Water (not) encountered at 0.0 feet  
--- -1' --- 11 --- Orange brown ---- SM ----- Note 2: Water (not) encountered (at 0.0 feet)  
--- -2' --- 12 --- Orange brown ----- SM ---- Note 3: Water (not) encountered (at 0.0 feet)  
--- -3' --- 12--- Orange brown-----SM ----

Soil Density Testing:

610 Spring Branch Road  
Dunn, NC 28334  
Phone 910-292-2085 Fax 910-292-2192  
www.BuildingandEarth.com

*Richard Heath*  
Reviewed By

## Field Observations Report

Project Name:	<b>Lot 104 Oakmont Subdivision (CMT) Lillington, NC</b>	Project Number:	<b>RD160330</b>
Client Name:	<b>McKee Homes</b>	Placement#:	<b>FO-1</b>
Contractor:	<b>McKee Homes</b>	Technician:	<b>Damian Thomas</b>
Monitoring:	<b>DCP</b>		

Soil density testing was performed using the sand cone method of compaction in general accordance with ASTM D1556. The results of our tests are attached as ST-1.

### Results:

Based on our observations and test results, the newly placed fill/existing soils appear to be suitable to provide support for the floor slab and footings, provided the floor slab has a loading of less than 150 pounds per square foot, and the footings have a design bearing capacity of 2,000, or less.

### Recommendations:

To minimize the potential for future softening of the bearing materials due to water infiltration, the surface soils should be protected from construction traffic and inclement weather. The construction of the footings and structure should commence without delay. In the event that the subgrade soils become wet, or otherwise compromised from their current condition, should be observed and retested as necessary by Building and Earth Sciences.

We note that our testing was isolated to the upper 3 feet of the soil profile from the finished subgrade elevation as observed on this date. As such, we cannot be aware of any soil or groundwater conditions below this depth that could adversely affect the support of the new construction. If additional information is required, please contact our office.

### 2: Project Management review

Passed

Our client has authorized Building & Earth Sciences to perform an evaluation of the prepared building pad for this project. We understand that the structure will have a monolithic slab-on-grade floor system that will have foundations and a floor slab that will be supported by the newly placed structural fill soils. It appears that between 1 and 3 feet of structural fill soils have been placed to achieve the desired grades. The intent of our testing was to determine if the newly placed structural fill soils are adequate to provide a bearing capacity of 2,000 psf for the foundations, and have been compacted to 95% to support the floor slab for the new structure.

Our evaluation included hand rod probing, advancing hand auger borings with DCPs and performing a density test on the surface. Based upon our hand rod probing the newly placed soils are firm and resistant to significant penetration. Hand auger borings were then advanced at 4 selected location across the building envelope to determine the consistency of the below grade soils. 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 the results of this testing, the below grade soils that will support the foundations and floor slab are acceptable.

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. Based upon our tests results, the soils have been properly compacted at the surface.

It is important to note that our testing was isolated to the upper 3 feet. As such, we are not able to comment upon the settlement characteristics of deeper soils. 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:	<b>Lot 104 Oakmont Subdivision (CMT) Lillington, NC</b>	Project Number:	<b>RD160330</b>
Client Name:	<b>McKee Homes</b>	Placement#:	<b>FO-1</b>
Contractor:	<b>McKee Homes</b>	Technician:	<b>Damian Thomas</b>
Monitoring:	<b>DCP</b>		



ST-1

Test Date: 06/21/2016  
 Field Technician: Damian Thomas  
 Tests requested by: N/R  
 Results provided to: N/R

**Report of Field Density Testing**

Project Name: Lot 104 Oakmont Subdivision (CMT)  
 Lillington, NC  
 Project Number: RD160330  
 Project Location: Lillington, NC  
 Client: McKee Homes  
 Contractor: McKee Homes

Ambient Temperature: 70-90  
 Weather: Overcast  
 Wind Conditions: Breezy  
 Results Provided To: N/R  
 Superintendent: N/R

- Notes:
- 1 Test location by technician
  - 2 Elevation by Technician
  - 3 Fill/backfill placed prior to technician arriving

**Design & Specification Data**

Area ID	Area Description	Depth (ft)	Test Method	% Compaction	Moisture Range	
					Min	Max
FSG-Bldg	Finished Subgrade Soils -Building	0.0 - 2.0	ASTM D-698	95 %	- 10.0	+ 10.0

**Laboratory Proctors**

Proctor ID	Description of Material	USCS/AASHTO	Maximum Dry Density (pcf)	Optimum Moisture Content (%)
1-point			101.0	17.5%

**Density Test Data**

Test #	IDs		Test Type	Location	Elev. (ft)	Dry Density(pcf)	% Moisture	% Compaction	Result
	Area	Proctor							
1	FSG-Bldg	1-point	ASTMD1556	Finished Subgrade Soils -Building : Right Back Corner	FSG	101.2	11.7	100%	PASS
2	FSG-Bldg	1-point	ASTMD1556	Finished Subgrade Soils -Building : Right Front corner	FSG	103.2	12.4	100+	PASS

Equipment Used: \_\_\_\_\_ Standard Counts: \_\_\_\_\_ Density: \_\_\_\_\_  
 Last Calibration: \_\_\_\_\_ Moisture: \_\_\_\_\_

*Richard Heath*  
 Reviewed By

ADDRESS : 46 BUNTING DR  
CONTRACTOR : GML DEVELOPMENT INC  
OWNER : OAKMONT DEV PTNRS LLC  
PARCEL : 03-0507-01- -0046- -24-  
APPL NUMBER: 16-50038419 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : T/S: 04/07/2016 11:40 AM JBROCK ----  
OAKMONT #104

SUBDIV: OAKMONT PH1 SC3 52LOTS  
PHONE : (919) 793-5237  
PHONE :



STRUCTURE: 000 000 74X70 4BDR MONO W/ GARAGE

FLOOD ZONE : FLOOD ZONE X

# BEDROOMS : 4000000.00

SEPTIC - EXISTING? : NEW TANK

PROPOSED USE : SFD

WATER SUPPLY : COUNTY

PERMIT: CPSP 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	7/07/16 7/06/16	TW AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002840668 46 BUNTING DR LILLINGTON 27546 T/S: 07/06/2016 04:40 PM TWARD
P309 01	7/07/16 VA	TI AP-MR	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 002840684
B114 01	7/12/16	TI DA-MR	R*BLDG MONO SLAB/TEMP SVC POLE TIME: 17:00 VRU #: 002841856 * OVERRIDE TAKEN BY JBROCK DATE: 07/08/16 TIME: 14:06:43 T/S: 07/08/2016 02:06 PM JBROCK someone please sign off on the plumbing under slab

COMMENTS AND NOTES

*N.R.*

*Rec'd  
Compaction*



McKee Homes  
101 Hay Street, 2nd Floor  
Fayetteville, NC 28301

06/22/2016

Attention : C Morgan

**RE:** Daily Field Report for 06/21/2016  
Lot 104 Oakmont Subdivision (CMT) Lillington, NC  
Building & Earth Project No : RD160330

Ladies and Gentlemen:

On this date, representative(s) of Building & Earth 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.

- dcps on lot 104
- Project Management review

Passed  
Passed

**ST-1 :** In place field density testing was performed for Finished Subgrade Soils -Building. The field density testing was performed in general accordance with ASTM D1556, using values from the laboratory proctors. A total of 2 in-place field density tests were 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



*Rochard Heath*  
Reviewed By

## Field Observations Report

Project Name: **Lot 104 Oakmont Subdivision (CMT)  
Lillington, NC** Project Number: **RD160330**  
Client Name: **McKee Homes** Placement#: **FO-1**  
Contractor: **McKee Homes** Technician: **Damian Thomas**  
Monitoring: **DCP**

**1 : dcps on lot 104**

Passed

We arrived onsite to evaluate the building pad area for this residential lot. We understand the residence has been designed to be supported on a monolithic slab foundation. Upon arrival, the contractor had not finished excavating the footings. Our evaluation as documented in this report includes:

- 1) A visual description of the residential lot
- 2) Comments on any improvements that hat affect the foundations of the residence
- 3) Hand rod probing of the footing excavations
- 4) Performing Dynamic Cone Penetration (DCP) tests at representative locations
- 5) Soil Density tests on fill, if applicable.

Visual Description of the Lot:

The lot generally slopes downward from back to front. Building locations are referenced from the street looking at the front of the residence. Maximum relief across the lot is approximately 15 feet. Surface water runoff appears to drain toward the road.

Comments on Improvements:

The site (is not stripped, has been stripped of surface cover and topsoil. It appears that 12-24 inches of topsoil has been removed from the building pad area.

Structural fill has been placed at the site to level the building pad. Based on our observation, we understand the pad has been cut or filled according to the following:

Section-----Thickness of Cut or Fill  
Left Front-----36 inches of fill  
Left Rear-----24 inches of cut  
Center-----12 inches of cut  
Right Front-----36 inches of fill  
Right Rear-----24 inches of cut

Measurements:

- 1) What is the proposed depth of footing? 2ft
- 2) What is the distance from the outside edge of footing to top edge of the nearest slope? 5ft
- 3) What is the distance from the outside edge of footing to the outside edge (toe) of the nearest slope? 10ft
- 4) What is the vertical height of the slope? 3ft

Future Footing Tests

Hand Rod Probing: Our representative performed hand rod probing of the surface of the building pad. Hand rod probing of the bearing material generally showed an average penetration of approximately 1 inch. Areas of soft material were noted near the front left corner with the hand rod probing to a depth of about 6 inches. Our representative did not observe standing water or evidence of standing water on the footing's bearing surface .

### Field Observations Report

Project Name: **Lot 104 Oakmont Subdivision (CMT)**  
**Lillington, NC** Project Number: **RD160330**  
Client Name: **McKee Homes** Placement#: **FO-1**  
Contractor: **McKee Homes** Technician: **Damian Thomas**  
Monitoring: **DCP**

DCP Testing: Our representative performed Dynamic Cone Penetration (DCP) testing in general accordance with ASTM STP-399 at four representative locations to a depth of 36 inches. Our representative did not observe water within the DCP boreholes as noted below.

The following information provides the results of our hand auger borings and DCP testing:

Test 1: {Front right corner}

-- Depth--"N"--Soil Color--USCS-----Notes:  
-- FSG -- 7 -- orange -- SM ----- Note 1: Water (not) encountered at 0.0 feet  
-- -1' -- 9-- orange brown ---- SM ----- Note 2: Water (not) encountered (at 0.0 feet)  
-- -2' -- 12 -- Orange brown ----- CL ---- Note 3: Water (not) encountered (at 0.0 feet)  
-- -3' -- 14 -- Orange red ----- CL ----

Test 2: {Back right corner}

-- Depth--"N"--Soil Color--USCS-----Notes:  
-- FSG -- 9 -- Orange -- SM ----- Note 1: Water (not) encountered at 0.0 feet  
-- -1' -- 10 -- Orange brown ---- SM ----- Note 2: Water (not) encountered (at 0.0 feet)  
-- -2' -- 10 -- Orange brown ----- CL ---- Note 3: Water (not) encountered (at 0.0 feet)  
-- -3' -- 13 -- Orange red ----- CL ----

Test 3: {Back left corner}

-- Depth--"N"--Soil Color--USCS-----Notes:  
-- FSG -- 6-- Orange-- SM ----- Note 1: Water (not) encountered at 0.0 feet  
-- -1' -- 10 -- Orange brown ---- SM ----- Note 2: Water (not) encountered (at 0.0 feet)  
-- -2' -- 7 -- Orange brown----- SM ----- Note 3: Water (not) encountered (at 0.0 feet)  
-- -3' -- 8-- Orange brown----- SM ----

Test 4{Front left corner}

-- Depth--"N"--Soil Color--USCS-----Notes:  
-- FSG -- 6 -- Orange -- SM ----- Note 1: Water (not) encountered at 0.0 feet  
-- -1' -- 11 -- Orange brown ---- SM ----- Note 2: Water (not) encountered (at 0.0 feet)  
-- -2' -- 12 -- Orange brown ---- SM ----- Note 3: Water (not) encountered (at 0.0 feet)  
-- -3' -- 12-- Orange brown----- SM ----

Soil Density Testing:

## Field Observations Report

Project Name: **Lot 104 Oakmont Subdivision (CMT)**  
**Lillington, NC** Project Number: **RD160330**  
Client Name: **McKee Homes** Placement#: **FO-1**  
Contractor: **McKee Homes** Technician: **Damian Thomas**  
Monitoring: **DCP**

Soil density testing was performed using the sand cone method of compaction in general accordance with ASTM D1556. The results of our tests are attached as ST-1.

### Results:

Based on our observations and test results, the newly placed fill/existing soils appear to be suitable to provide support for the floor slab and footings, provided the floor slab has a loading of less than 150 pounds per square foot, and the footings have a design bearing capacity of 2,000, or less.

### Recommendations:

To minimize the potential for future softening of the bearing materials due to water infiltration, the surface soils should be protected from construction traffic and inclement weather. The construction of the footings and structure should commence without delay. In the event that the subgrade soils become wet, or otherwise compromised from their current condition, should be observed and retested as necessary by Building and Earth Sciences.

We note that our testing was isolated to the upper 3 feet of the soil profile from the finished subgrade elevation as observed on this date. As such, we cannot be aware of any soil or groundwater conditions below this depth that could adversely affect the support of the new construction. If additional information is required, please contact our office.

### 2 : Project Management review

Passed

Our client has authorized Building & Earth Sciences to perform an evaluation of the prepared building pad for this project. We understand that the structure will have a monolithic slab-on-grade floor system that will have foundations and a floor slab that will be supported by the newly placed structural fill soils. It appears that between 1 and 3 feet of structural fill soils have been placed to achieve the desired grades. The intent of our testing was to determine if the newly placed structural fill soils are adequate to provide a bearing capacity of 2,000 psf for the foundations, and have been compacted to 95% to support the floor slab for the new structure.

Our evaluation included hand rod probing, advancing hand auger borings with DCPs and performing a density test on the surface. Based upon our hand rod probing the newly placed soils are firm and resistant to significant penetration. Hand auger borings were then advanced at 4 selected location across the building envelope to determine the consistency of the below grade soils. 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 the results of this testing, the below grade soils that will support the foundations and floor slab are acceptable.

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. Based upon our tests results, the soils have been properly compacted at the surface.

It is important to note that our testing was isolated to the upper 3 feet. As such, we are not able to comment upon the settlement characteristics of deeper soils. 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:	<b>Lot 104 Oakmont Subdivision (CMT) Lillington, NC</b>	Project Number:	<b>RD160330</b>
Client Name:	<b>McKee Homes</b>	Placement#:	<b>FO-1</b>
Contractor:	<b>McKee Homes</b>	Technician:	<b>Damian Thomas</b>
Monitoring:	<b>DCP</b>		



ST-1

Test Date: 06/21/2016  
 Field Technician: Damian Thomas  
 Tests requested by: N/R  
 Results provided to: N/R

**Report of Field Density Testing**

Project Name: Lot 104 Oakmont Subdivision (CMT) Ambient Temperature: 70-90  
 Lillington, NC  
 Project Number: RD160330 Weather: Overcast  
 Project Location: Lillington, NC Wind Conditions: Breezy  
 Client: McKee Homes Results Provided To: N/R  
 Contractor: McKee Homes Superintendent: N/R

- Notes: 1 Test location by technician  
 2 Elevation by Technician  
 3 Fill/backfill placed prior to technician arriving

**Design & Specification Data**

Area ID	Area Description	Depth (ft)	Test Method	% Compaction	Moisture Range	
					Min	Max
FSG-Bldg	Finished Subgrade Soils -Building	0.0 - 2.0	ASTM D-698	95 %	- 10.0	+ 10.0

**Laboratory Proctors**

Proctor ID	Description of Material	USCS/AASHTO	Maximum Dry Density (pcf)	Optimum Moisture Content (%)
1-point			101.0	17.5%

**Density Test Data**

Test #	IDs		Test Type	Location	Elev. (ft)	Dry Density(pcf)	% Moisture	% Compaction	Result
	Area	Proctor							
1	FSG-Bldg	1-point	ASTMD1556	Finished Subgrade Soils -Building : Right Back Corner	FSG	101.2	11.7	100%	PASS
2	FSG-Bldg	1-point	ASTMD1556	Finished Subgrade Soils -Building : Right Front corner	FSG	103.2	12.4	100+	PASS

Equipment Used:  
 Last Calibration:

Standard Counts. Density:  
 Moisture: