PREPARED 4/03/13, 14:19:12
Harnett County

INSPECTION TICKET INSPECTOR: IVR

PAGE DATE

4/04/13

ADDRESS . : 239 EXECUTIVE DR SUBDIV: OAKMONT PHASE 1 SECT1

CONTRACTOR : GML DEVELOPMENT INC PHO

PHONE : (919) 793-5237 PHONE : (910) 322-2016

OWNER . . : MCKEE HOMES LLC

PARCEL . : 03-0507- - -0046- -16-

APPL NUMBER: 13-50030594 CP NEW RESIDENTIAL (SFD)
DIRECTIONS: T/S: 02/08/2013 08:28 AM JBROCK ----

NC 27 W LEFT ON DOCS RD LEFT ON

EXECUTIVE WAY LOT 16

STRUCTURE: 000 000 46X61 4BDR MONO W/ GARAGE & PORCH

FLOOD ZONE . . . : FLOOD ZONE X

BEDROOMS : 4000000.00 PROPOSED USE : SFD SEPTIC - EXISTING? : NEW WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	3/19/13	MR	R*BLDG FOOTING / TEMP SVC POLE VRU #: 002353241
	3/19/13	AP	T/S: 03/19/2013 01:03 PM MREARIC
B103 01	3/26/13	BS	R*BLDG FOUND & TEMP SVC POLE VRU #: 002356764
	3/26/13	AP	AM inspection please.
			T/S: March 26, 2013 12:01 PM BSUTTON
A814 01	3/26/13	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002356772
	3/26/13	AP	239 EXECUTIVE DR LILLINGTON 27546
			T/S: 03/26/2013 12:12 PM TWARD
B104 01	3/26/13	JB	R*FOUND & SETBACK VERIF SURVEY TIME: 17:00 VRU #: 002357234
	3/26/13	AP	T/S: 03/26/2013 09:51 AM JBROCK
P309 01	4/02/13	MR	R*PLUMB UNDER SLAB VRU #: 002359263
	4/02/13	AP	T/S: 04/02/2013 12:26 PM MREARIC
			insulation in foundation
B111 01	4/04/13	TI	R*BLDG SLAB INSP/TEMP SVC POLE VRU #: 002361194
	4.4-13	AP-MI	〈
		• • •	

Rocal on Stab



McKee Homes 5112 Pine Birch Drive Raleigh, NC 27606 LOT 16

04/01/2013

Attention : Dave Potter Geoff Potter Pat McKee

RE: Daily Field Report for 03/29/2013

Lot 16 Oakmont Subdivision, McKee Homes

BES Project No: 13-0162

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 for Lot-16

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 ASTMD1556, 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

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Field Observations Report

Project Name: Lot 16 Oakmont Subdivision, McKee Homes Project Number:
Client Name: McKee Homes Placement#:

Contractor: Monitoring: McKee Homes

Technician:

Jason Bryant

13-0162

FO₋₁

1: DCP's for Lot-16

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 and that Mckee Homes is requesting guidance in the preparation of the lot for a residence. The house will have a stem wall foundation that will support the framing for the residence. Based upon the adjacent lots and the grades at the site, we expect that 1.5 to 2.5 feet of structural fill has been placed in the building pad to promote positive drainage away from the foundation walls.

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A series of 4 tests were performed to characterize the existing soils at the site.

NWC: Average DCP for -0' was _	9 blows; Orange Silty Sand (Fill Material)
	9 blows; Orange Silty Sand (Fill Material)
	11 blows, Orange Silty Sand (Fill Material)
-3' was _	13 blows; brown/tan Clayey Sand (Natural ground)
	₩
SEC : Average DCP for -0' was _	9 blows; Orange Sitty Sand (Fill Material)
	_ 8 blows; Orange Silty Sand (Fill Material)
	10 blows; Orange/Brown Sand (Fill Material)
	11 blows; Brown/tan Clayey Sand (Natural ground)

. Property

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 stab grade using structural fill soils. It appears that between 1.5 and 2.5 feet of structural fill soils have been placed to achieve the stab 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 stab 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 solls 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 Penetromater (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

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Field Observations Report

Project Name:

Lot 16 Oakmont Subdivision, McKee Homes

Project Number:

13-0162

Client Name: Contractor: McKee Homes McKee Homes Placement#: Technician: FO-1 Jason Bryant

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 retesting. This decision should be executed by your onsite Quality Control and Superintendents.

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Field Density Test Report

Project: Lot 16 Oakmont Subdivision, McKee Homes Client: McKee Homes 13-0162 5112 Pine Birch Drive Technician: Jason Bryant Raleigh, NC 27606

Distribution List: dave@mckeehomesnc.com geoff@mckeehomesnc.com

EVENT NO. ST-1 03/29/2013

pat@mckeehomesnc.com

Nuclear Gauge ID:

Mcthod

Re-Tost Stamp

(pc) Density 113.0

Moisture Maximum Optimum Content % Dry Moisture ASTM D 4959 Density (pcf) Content %

Compaction

Required USCS

Proctor

10,6

=

96%

95% SM

ASTM D-698 ASTMD1556 Building Pad: NEC 11S,19W of NEC:

FSG

Dept.

Rochael Heath

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