ADDRESS . : 172 EXECUTIVE DR SUBDIV: OAKMONT PHASE 1 SECT1
CONTRACTOR : H & H CONSTRUCTORS INC PHONE : (910) 486-4864
OWNER . . : OAKMONT DEV PARTENERS LLC PHONE : (910) 486-4864
PARCEL . . : 03-0507- - -0046- -25-
APPL NUMBER: 12-50028203 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 01/18/2012 09:56 AM JBROCK ----
TAKE HWY 27 TO DOCS RD TURN LEFT GO
ABOUT 1.5 MILES TURN LEFT TO S/D LOT 25

STRUCTURE: 000 000 53X54 5BDR SLAB W/ GARAGE
FLOOD ZONE . . . . : FLOOD ZONE X
BEDROOMS . . . . . : 5000000.00 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	8/24/12	MR	R*BLDG FOOTING / TEMP SVC POLE VRU #: 002269991
	8/24/12	AP	T/S: 08/24/2012 02:13 PM MREARIC
B103 01	8/29/12	MR	R*BLDG FOUND & TEMP SVC POLE VRU #: 002271922
	8/29/12	AP	T/S: 08/29/2012 01:40 PM MREARIC
A814 01	8/29/12	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002271930
	8/31/12	AP	172 executive dr lot 25 lillington 27546
			T/S: 08/31/2012 03:06 PM TWARD
P309 01	9/04/12	MR	R*PLUMB UNDER SLAB VRU #: 002273688
	9/04/12	AP	T/S: 09/04/2012 01:32 PM MREARIC
B111 01	9/06/12	TI	R*BLDG SLAB INSP/TEMP SVC POLE VRU #: 002275030
	9-6-12	AP-MR	

COMMENTS AND NOTES

Field Observations Report

Project Name:	**Lot 25 Oakmont Subdivision, H & H Homes**	Project Number:	**12-0372**
Client Name:	**H & H Homes**	Placement#:	**FO-1**
Contractor:	**H & H Homes**	Technician:	**J. Prewitt**
Monitoring:			

1 : DCP's for Lot 25

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.

Based upon the adjacent lots and the grades at the site, we expect that 24 inches of structural fill has been placed in the building pad(stem wall) to promote positive drainage away from the foundation walls.

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

Location 1 East wall: Average DCP for -FSG was ___ 8 blows; Orange sandy Clay
---------- -1' was ___ 9 blows; Orange sandy Clay
---------- -2' was ___ 10 blows; Orange sandy Clay
---------- -3' was ___ 10 blows; Tan grey sandy clay
---------- -4was ___ 12 blows; Tan grey sandy clay

Location 2 West wall: Average DCP for -FSG was ___ 10 blows; Orange sandy Clay
---------- -1' was ___ 9 blows; Orange sandy Clay
---------- -2' was ___ 9 blows; Orange sandy Clay
---------- -3' was ___ 10 blows; Tan grey sandy clay
---------- -4was ___ 12 blows; Tan grey sandy clay

These recommendations were reviewed with Mr. Kurt A. Miller, PE in our office. If you have any questions, please call our office for clarification.

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 2 to 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 4 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.

610 Spring Branch Rd.
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Phone (910) 292-2085 Fax (910) 292-2087
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Rachael Heath
Reviewed By

Field Density Test Report

Project: Lot 25 Oakmont Subdivision, H & H Homes
12-0372
Technician : J. Prewitt

Client: H & H Homes
2919 Breezwood Ave
Suite 400
Fayetteville , NC 28303

Distribution List: andreajensen@hhhomes.com
jamiegodwin@hhhomes.com
jarvisbastian@hhhomes.com
mattlowe@hhhomes.com

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		111.3	12.0	115.1	11.2	97%	95%	SC	ASTM D-698	ASTMD1556	Building Pad : Middle of pad Middle of pad :	FSG

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Rachael Heath
Reviewed By

H & H Homes
2919 Breezwood Ave
Suite 400
Fayetteville, NC 28303

09/04/2012

Attention : Andrea Jensen
Jamie Godwin
Jarvis Batian
Matt Lowe

RE: Daily Field Report for 08/31/2012
Lot 25 Oakmont Subdivision, H & H Homes
BES Project No : 12-0372

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 25	Passed
• Project Management Review	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

9/4/12

Rachael Heath
Submitted By

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