ADDRESS . : 486 FIFTY CALIBER DR SUBDIV: PATTONS POINT
CONTRACTOR : BILL CLARK HOMES LLC PHONE : (252) 355-5805
OWNER . . : BILL CLARK HOMES PHONE : (910) 486-2898
PARCEL . . : 03-9597- - -0039- -23-
APPL NUMBER: 12-50029968 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 10/24/2012 09:37 AM JBROCK ----
HWY 27 TOWARDS 87 TURN L ON TINGEN RD
TURN L INTO S/D ON STRIKE EAGLE DR TURN
L ONTO BUNKERBUSTER LEFT ONTO FIFTY
CALIBER DR LOT IS POSTED ON RIGHT LOT
26

STRUCTURE: 000 000 40X48 3BDR SLAB W/ GARAGE
FLOOD ZONE . . . . : FLOOD ZONE X
BEDROOMS . . . . . : 3000000.00 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	11/20/12	FS	R*BLDG FOOTING / TEMP SVC POLE VRU #: 002305794
	11/20/12	AP	T/S: 11/20/2012 04:01 PM FSPIVEY
B103 01	12/12/12	MR	R*BLDG FOUND & TEMP SVC POLE VRU #: 002315168
	12/12/12	AP	T/S: 12/12/2012 01:58 PM MREARIC
A814 01	12/18/12	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002317287
P309 01	12/18/12	MR	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 002317295
	12/18/12	AP	T/S: 12/18/2012 01:40 PM MREARIC
B111 01	12/19/12	TI	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002317915
	12-19-12	AP-MR	

COMMENTS AND NOTES

Bill Clark Homes of Fayetteville
200 E Arlington Blvd
200 E Arlington Blvd
Greenville, NC 27858

12/17/2012

Attention : Paul Endricks

RE: Daily Field Report for 12/14/2012
Lot 26 Patton's Point, Bill Clark Homes
BES Project No : 12-0484

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 26 — Passed
- Project Managment 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

Enclosures : FO-1, ST-1

NORTH CAROLINA REGISTERED SEAL 024462 ENGINEER ROBERT A. MILLER

Rachael Heath
Submitted By

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

Field Observations Report

Project Name:	Lot 26 Patton's Point, Bill Clark Homes	Project Number:	12-0484
Client Name:	Bill Clark Homes of Fayetteville	Placement#:	FO-1
Contractor:	Bill Clark Homes of Fayetteville	Technician:	Dereck Martin
Monitoring:			

1 : DCP's for Lot 26

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 Bill Clark Homes is requesting guidance in the preparation of the lot for a residence. The house will have a stem wall foundation and floor slab that will support the framing for the residence. Based upon the adjacent lots and the grades at the site, we expect that 24 to 48 inches of structural fill have been placed in the building pad to raise the soil grade to the finish floor elevation.

A series of 2 tests were performed to characterize the existing soils at the site. DCPs were performed on two locations, Kitchen/Nook and Bedroom No. 2 to a depth of 4'. Water was not noted within the DCP bore holes.

The following information provides the results of our hand auger borings and DCP testing (ASTM STP-399).

Test No.	Location	Depth	"N"	Soil Color	USCS	Notes:
Test 1:	Center-Kitchen/Nook - FSG		7	Brown/Red	SM	Note 1: Water not encountered.
		-1'	13	Brown/Red	SM	Note 2: None.
		-2'	13	Brown/Red	SM	Note 3: None.
		-3'	8	Brown/Red	SM	Note 4: None.
		-4'	20	Dark Gray	SM	Note 5: Natural Soils.
Test 2:	Center-Bedroom No.2 - FSG		7	Brown/Red	SM	Note 1: Water not encountered.
		-1'	12	Brown/Red	SM	Note 2: None.
		-2'	13	Brown/Red	SM	Note 3: None.
		-3'	12	Brown/Red	SM	Note 4: None.
		-4'	18	Dark Gray	SM	Note 5: Natural Soils.

2 : Project Managment 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 24 and 48 inches 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.

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Rachael Heath
Reviewed By

Field Observations Report

Project Name:	**Lot 26 Patton's Point, Bill Clark Homes**	Project Number:	**12-0484**
Client Name:	**Bill Clark Homes of Fayetteville**	Placement#:	**FO-1**
Contractor:	**Bill Clark Homes of Fayetteville**	Technician:	**Dereck Martin**
Monitoring:			

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.

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BUILDING & EARTH

EVENT NO. ST-1
12/14/2012

Field Density Test Report

Project: Lot 26 Patton's Point, Bill Clark Homes
12-0484
Technician : Dereck Martin

Client: Bill Clark Homes of Fayetteville
200 E Arlington Blvd
200 E Arlington Blvd
Greenville , NC 27858

Distribution List: pendricks@billclarkhomes.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		117.4	11.1	117	12	100%	95%	SM	ASTM D-698	ASTMD1556	Building Pad : Raised Bar North Corner	FSG

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