

ADDRESS : 96 SAW GRASS CT  
CONTRACTOR : H & H ONSITE HOMES LLC  
OWNER : H & H ONSITE HOMES LLC  
PARCEL : 01-0525- - -0062- -34-  
APPL NUMBER: 16-50039682 CP NEW RESIDENTIAL (SFD)

SUBDIV: WALNUT GROVE 37LOTS  
PHONE : (910) 486-4864  
PHONE :

DIRECTIONS : T/S: 09/08/2016 03:43 PM JBROCK ----  
WALNUT GROVE #25 - 96 SAW GRASS CT

STRUCTURE: 000 000 27.1/4X42 4BDR CRAWL W/ GARAGE

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

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
E207 01	11/23/16 11/23/16	MR AP	R*ELEC TEMP SERVICE POLE TIME: 17:00 VRU #: 002902310 T/S: 11/22/2016 11:28 AM JBROCK ----- I TALKED TO THE JIMMY ABOUT THIS ONE T/S: 11/23/2016 01:34 PM MREARIC -----
B101 01	2/27/17 2/27/17	JH AP	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002937449 T/S: 02/23/2017 03:46 PM JBROCK -----
A814 01	3/02/17 3/02/17	SB AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002939874 96 SAW GRASS CT BUNNLEVEL 28323 T/S: 03/02/2017 09:56 AM SBENNETT -----
B103 01	3/02/17 3/02/17	DT AP	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002939866 T/S: 03/01/2017 03:28 PM JBROCK ----- T/S: 03/02/2017 11:57 AM DETAYLOR -----
B105 01	3/07/17 3/07/17	JH DA	R*OPEN FLOOR TIME: 17:00 VRU #: 002941391 T/S: 03/06/2017 11:41 AM JBROCK ----- 1)Nail each side of bottom flang with 1 nail per dcouments on ends & on girders.2)Nail top of I joist on back wall.
B105 02	3/08/17 3/08/17	JH AP	R*OPEN FLOOR TIME: 17:00 VRU #: 002942431 T/S: 03/08/2017 07:38 AM DJOHNSON -----
B111 01	4/10/17 4/10/17	JH CA	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002956712 T/S: 04/07/2017 04:02 PM JBROCK ----- slab on garage & porch PER DAVID
B111 02	4/24/17 <u>4-24-17</u>	TI <u>APTV</u>	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002963254 T/S: 04/21/2017 03:24 PM JBROCK ----- slad on garage & porch

COMMENTS AND NOTES

On-site Homes, LLC  
2919 Breezewood Avenue  
Suite 300  
Fayetteville, NC 28303

04/17/2017

Attention : David Sigmon  
Travina Love

**RE:** Daily Field Report for 04/11/2017  
Porches for Lot 25 & 26 Walnut Grove (CMT) Bunnlevel, NC  
Building & Earth Project No : RD170194

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.

• DCP's and Hand Auger

For Information Only

Comment 1 : Based on our testing results, porches at the front and back of both houses are loose and soft. We recommend removing soil from all porches and replace in 6 to 8 inch lifts, compacting each lift to 95%. Building and Earth should be present during construction to confirm compaction.

**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 the results of field one-point as compared to the laboratory proctors. One(1) in-place field density test was performed on this date. The testing results indicated that Test #(s) ST-1-1 do not meet 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

## Field Observations Report

Project Name: **Porches for Lot 25 & 26 Walnut Grove (CMT) Bunnlevel, NC** Project Number: **RD170194**  
Client Name: **On-site Homes, LLC** Placement#: **FO-1**  
Contractor: **On-site Homes, LLC** Technician: **Ray Bey**  
Monitoring: **DCP**

### 1 : DCP's and Hand Auger

Our representative arrived to perform hand auger borings and Dynamic Cone Penetrometer (DCP) testing to measure the consistency of the near surface soils.

Existing Conditions: Lot 25 and 26 are side by side. Lot 25 is on the left. Both lots have house framework completed. Porches are raised 3 feet with 8" CMU and filled with fill material. Each house has a front and rear porch.

Our representative performed four DCP tests to characterize the existing soils at the site.

Lot 25  
Front Porch

Location 1: Average DCP for FSG was 9 blows; Silty Sand with Clay (SC/SM), Light Brown, moist  
Lot 25 Front Porch ----- -1' - was 4.5 blows; Silty Sand with Clay (SC/SM), Light Brown, moist  
12' Right 3' Back ----- -2' - was 2 blows; Silty Sand with Clay (SC/SM), Light Brown, moist  
----- -3' - Hand Auger Refusal

Lot 25  
Back Porch

Location 2: Average DCP for FSG was 3 blows; Silty Sand with Clay (SC/SM), Light Brown, moist  
Lot 25 Rear Porch ----- -1' - was 2 blows; Silty Sand with Clay (SC/SM), Light Brown, moist  
6' Right 4' Forward ----- -2' - was 1.5 blows; Silty Sand with Clay (SC/SM), Light Brown, moist  
----- -3' - was 1.5 blows; Silty Sand (SC/SM), Tan, moist

Lot 26  
Back Porch

Location 3: Average DCP for FSG was 2.5 blows; Silty Sand with Clay (SC/SM), Light Brown, moist  
Lot 26 Rear Porch ----- -1' - was 1 blows; Silty Sand with Clay (SC/SM), Light Brown, moist  
5' Left 4' Forward ----- -2' - was 2 blows; Silty Sand with Clay (SC/SM), Light Brown, moist  
----- -3' - was 7 blows; Silty Sand (SC/SM), Tan, moist

Lot 26  
Front Porch

Location 4: Average DCP for FSG was 9.5 blows; Silty Sand with Clay (SC/SM), Light Brown, moist  
Lot 26 Front Porch ----- -1' - was 3.5 blows; Silty Sand with Clay (SC/SM), Light Brown, moist  
5' Left 1' Back ----- -2' - was 4 blows then fell in 18" to solid point; Silty Sand with Clay (SC/SM), Light Brown, moist  
----- -3' - Hand Auger Refusal

Based on our testing results, porches at the front and back of both houses are loose and soft. We recommend removing soil from all porches and replace in 6 to 8 inch lifts, compacting each lift to 95%. Building and Earth should be present during construction to confirm compaction.



**ST-1**

Test Date: 04/11/2017  
 Field Technician: Ray Bey  
 Tests requested by: N/R  
 Results provided to: N/R

**Report of Field Density Testing**

Project Name: Porches for Lot 25 & 26 Walnut Grove (CMT) Bunnlevel, NC  
 Project Number: RD170194  
 Project Location: Bunnlevel, NC  
 Client: On-site Homes, LLC  
 Contractor: On-site Homes, LLC

Ambient Temperature: 70-90  
 Weather: Clear  
 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			113.7	11.5%

**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 : Lot 25 Front Porch Center of Front Porch :	FSG-Bldg	103.2	7.5	91%	FAILED

Equipment Used: Standard Counts: Density: 0  
 Last Calibration: 10/24/2014 Moisture: 0

*Rachael Heath*

Reviewed By

### Field Observations Report

Project Name: **Porches for Lot 25 & 26 Walnut Grove (CMT) Bunnlevel, NC** Project Number: **RD170194**  
Client Name: **On-site Homes, LLC** Placement#: **FO-1**  
Contractor: **On-site Homes, LLC** Technician: **Ray Bey**  
Monitoring: **DCP**

#### Comments

Comment	Log Date	Log Time
Based on our testing results, porches at the front and back of both houses are loose and soft. We recommend removing soil from all porches and replace in 6 to 8 inch lifts, compacting each lift to 95%. Building and Earth should be present during construction to confirm compaction.	04/17/2017	15:30:54

*Rachael Heath*

Reviewed By