



ECS Carolinas, LLP
 726 Ramsey Street, Suite 3
 Fayetteville, NC 28301
 (910) 401-3288 Fax: (910) 323-0539

34599

FIELD REPORT

Project No. 33:3454

Day/Date Friday 9/11/2015

Temp./Weather 81/Sunny

138 Homestead Lane

Project Foundation Evaluation Homestead Road

Location Angier, NC

Task Foundation Stem Wall Backfill Evaluation

An ECS representative arrived on site, as requested, to check the stability of in-place backfill material. Please see the attached sketch for details.

A hand auger was used to advance the boreholes to different depths noted on the boring logs. Dynamic Cone Penetrometer (DCP) test were performed in the hand auger boreholes by a 1.5 inch diameter cone driven into the soil by a 15 pound ring weight with a free fall of 20 inches. The number of blows required to drive the cone into the soil a distance of 1.75 inches is termed the DCP Value and is indicated for each test on the hand auger.

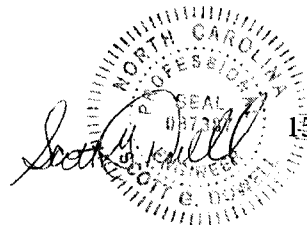
A total of 3 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the current sub grade elevation. DCP blow counts ranged from 6 to 17 blows per increment.

It is to the opinion of ECS that the materials in place at the locations and elevations tested did appear to be suitable to support the design slab on grade.

ECS will return, as requested, to perform additional services.

Thomas W. Scott, II

ECS Representative



15 Sept 15

Scott G. Dowell, P.E.

[Signature]

ECS Construction Services Manager

ADDRESS : 138 HOMESTEAD LN
CONTRACTOR : RED DOOR HOMES OF FAYETTEVILLE
OWNER : CRAWFORD WILLIAM G
PARCEL : 04-0682- - -0507- - -
APPL NUMBER: 14-50034599 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 09/15/2014 10:29 AM VBROWN ----
138 HOMESTEAD LANE, OFF OF OAK GROVE
CHRUCH RD, HOMESTEAD SUB DIV #8
T/S: 09/04/2015 01:13 PM DJOHNSON --
****PREMISE NO31134835
T/S: 09/04/2015 02:18 PM LBENNETT --

SUBDIV: THE HOMESTEAD
PHONE : (910) 672-8900
PHONE :

8244726

STRUCTURE: 000 000 66X56 4BDR 2.5BATH SFD W GAR DECK

FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 4.00
SEPTIC - EXISTING? : NEW TANK

PROPOSED USE :  SFD
WATER SUPPLY :  COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	8/07/15 8/07/15	DT DA	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002700243 T/S: 08/06/2015 01:58 PM LBENNETT ----- T/S: 08/07/2015 11:15 AM DETAYLOR ----- Approved plans call for continuous footer across garage door opening.
B101 02	8/10/15 8/10/15	DT AP	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002700714 T/S: 08/10/2015 11:34 AM DETAYLOR -----
B103 01	8/17/15 8/17/15	BS DA	R*BLDG FOUND & TEMP SVC POLE VRU #: 002703756 T/S: August 17, 2015 11:48 AM BSUTTON ----- Left side of front porch foundation does not have proper projection. Piers inside front porch have no projection. Foundation must be insulated with R-10 foamboard from slab down 2 feet or to footing. DO NOT BACKFILL
A814 01	8/24/15 8/24/15	SB AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002707081 138 HOMESTEAD LN ANGIER 27501 T/S: 08/24/2015 10:21 AM SBENNETT -----
B103 02	8/24/15 8/24/15	BS AP	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002707073 T/S: August 24, 2015 01:44 PM BSUTTON -----
B101 03	9/04/15 9/04/15	DT AP	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002713329 re-check footing with eng letter also T/S: 09/04/2015 10:36 AM DETAYLOR ----- Plumbing under slab and footing are approved. Need premise number from Duke/Progress for T-Pole. Compaction test must be done as fill is greater than 24 inches. Printed results from compaction test must be provided at slab inspection
E207 01	9/04/15 9/04/15	DT AP	R*ELEC TEMP SERVICE POLE TIME: 17:00 VRU #: 002714004 T/S: 09/03/2015 02:35 PM LBENNETT ----- T/S: 09/04/2015 10:36 AM DETAYLOR ----- Plumbing under slab and footing are approved. Need premise number from Duke/Progress for T-Pole. Compaction test must be done as fill is greater than 24 inches. Printed results from compaction test must be provided at slab inspection
P309 01	9/04/15 9/04/15	DT AP	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 002713311 T/S: 09/04/2015 10:36 AM DETAYLOR ----- Plumbing under slab and footing are approved. Need premise

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B111 02	9/14/15 9/14/15	KS DA	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002717460 T/S: 09/14/2015 01:31 PM KSLATTUM ----- Slab poured prior to inspection. Need sealed engineers letter.
B111 03	9/16/15 9/16/15	DT DA	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002718591 T/S: 09/15/2015 01:16 PM LBENNETT ----- T/S: 09/16/2015 01:16 PM DETAYLOR ----- Inspection done at 12:30, nobody at site, no engineer letter in permit box addressing the slab itself, only the fill
B111 04	9/18/15 <u>9-18-15</u>	TI <u>DA</u>	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002719722 T/S: 09/17/2015 08:23 AM KGOINS -----

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

MEDFR REPORT 1
This form is now editable

REPORT OF SPREAD FOOTING - FOUNDATION OBSERVATIONS										
Project:		Foundation Evaluation Homestead Road				Project No:		3454		
Location:		138 Homestead Road - Angier - - NC				Day / Date:		09/11/15		
Contractor:		Red Door Homes								
Footing Number <u>New</u>	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Steel Placed	Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure	
		Design	Actual	Design	Depth of Undercut (in)			# of Blows / Increment		
1 <u>Edit</u> <u>Delete</u>	<u>Column line A , 1</u>	x x continuous	x x continuous		0		tan red clay sand	10,9,9	2000	
1 <u>Edit</u> <u>Delete</u>	<u>Column line A , 1</u>	x x continuous	x x continuous		-1		tan red clay sand	8,7,5	2000	
1 <u>Edit</u> <u>Delete</u>	<u>Column line A , 1</u>	x x continuous	x x continuous		-2		tan sand	6,9,9	2000	
1 <u>Edit</u> <u>Delete</u>	<u>Column line A , 1</u>	x x continuous	x x continuous		-3		tan red clay sand	12, 14, 13	2000	
2 <u>Edit</u> <u>Delete</u>	<u>Column line B , 2</u>	x x continuous	x x continuous		0		Tan red clay sand	9, 11, 12	2000	
2 <u>Edit</u> <u>Delete</u>	<u>Column line B , 2</u>	x x continuous	x x continuous		-1		Tan red clay sand	8, 7, 7	2000	
2 <u>Edit</u> <u>Delete</u>	<u>Column line B , 2</u>	x x continuous	x x continuous		-2		Tan sand	6, 5, 9	2000	
2 <u>Edit</u> <u>Delete</u>	<u>Column line B , 2</u>	x x continuous	x x continuous		-3		tan red clay sand	14, 12, 12	2000	
3 <u>Edit</u> <u>Delete</u>	<u>Column line A , 3</u>	x x continuous	x x continuous		0		tan red clay sand	10, 15, 14	2000	
	<u>Column line A , 3</u>	x x continuous	x x continuous		-1		black soil	6, 7, 10	2000	

3 Edit Delete									
3 Edit Delete	Column line A , 3	x x continuous	x x continuous		-2		tan clay sand	8, 6, 7	2000
3 Edit Delete	Column line A , 3	x x continuous	x x continuous		-3		rock tan sand	20, 20, 13	2000

Close Window

Printer Friendly

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STRUCTURE: 000 000 66X56 4BDR 2.5BATH SFD W GAR DECK

FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 4.00
 SEPTIC - EXISTING? : NEW TANK
 PROPOSED USE : SFD
 WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

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B103 01	8/17/15 8/17/15	BS DA	R*BLDG FOUND & TEMP SVC POLE VRU #: 002703756 T/S: August 17, 2015 11:48 AM BSUTTON Left side of front porch foundation does not have proper projection. Piers inside front porch have no projection. Foundation must be insulated with R-10 foamboard from slab down 2 feet or to footing. DO NOT BACKFILL
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B111 05	9/29/15 <u>9-29-15</u>	TI <u>AP</u>	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002724557

KS

COMMENTS AND NOTES

1450034599



ECS Carolinas, LLP

726 Ramsey Street
Suite 3
Fayetteville, NC 28301
(910) 401-3288 [Phone]
(910) 323-0539 [Fax]
NC Registered Engineering Firm # F-1078

LETTER OF TRANSMITTAL

September 17, 2015
Red Door Homes
4002 Fayetteville Road
Raeford, NC 28376

ATTN: Alan Powell

RE: **Foundation Evaluation Homestead Lane**
ECS Job # **33:3454**

Permits:
Location: **138 Homestead Road**
Angier, NC

We are enclosing:

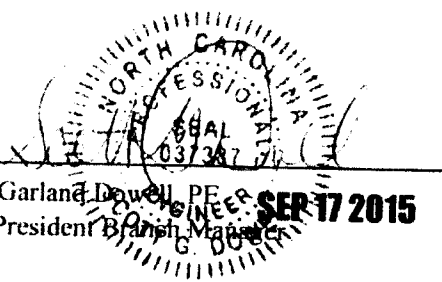
- Materials Engineering Division Reports
- For your use
- As requested

CC: **Red Door Homes - Page Robertson**

ENCL:

Field Report # 2 09/16/2015 ****Revised**** 09/23/2015

Scott Garland Dowell, PE
Vice President Branch Manager



Aaron Cain
CMT Department Manager

This report (and any included attachments) shall not be reproduced, except in full, without the prior written approval of ECS.

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824470

STRUCTURE: 000 000 66X56 4BDR 2.5BATH SFD W GAR DECK
FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 4.00 PROPOSED USE : SFD
SEPTIC - EXISTING? : NEW TANK WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

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



ECS Carolinas, LLP

726 Ramsey St., Suite 3
FAYETTEVILLE, NC 28301
(910) 401-3288 (T)
(910) 323-0539 (F)

FIELD REPORT

34599

Project No. 3454

Day/Date 9-16-15

Temp./Weather /

Arrive : : ^A_P | : : ^A_P | : : ^A_P

Depart : : ^A_P | : : ^A_P | : : ^A_P

On-Site Time Travel Time

Lab/Office Time Total Time

Reinspection Time

Project HOMSTEAD RD. GRADE BEAM INSPECTION

Location 138 HOMSTEAD RD.

Client

Permits

Task CORE & INSPECT

No. of Trips Total Mileage

Chargeable Equipment Used

OFFICE USE ONLY	
Reg. Time <u> </u>	Overtime <u> </u>

ECS ARRIVED ON SITE TO INSPECT THE GRADE BEAM. 3
 CORES WERE DRILLED THROUGH THE SLAB TO CHECK
 THICKNESS & WIDTH IN ACCORDENCE WITH PROJECT DRAWINGS.
 GRADE BEAM DID APPEAR TO BE WITHIN SPECIFICATION
 IN THE AREAS OBSERVED. CORE HOLES WERE PATCHED
 WITH HIGH STRENGTH, NON-SHRINK GROUT.

This report is preliminary until reviewed by the engineering staff.

Field data, locations, elevations, & depths are estimates.

Copy Received By:
Site Representative

Prepared By

Title/Company

Printed Name DONNY JOHNSON
ECS