

ADDRESS : 614 POPE LAKE RD
CONTRACTOR : R L PROPERTIES LLC
OWNER : R L PROPERTIES
PARCEL : 04-0692- - -0005- - -
APPL NUMBER: 07-50018774 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : POPE LAKE LOT #2
210 TO ANGIER, RIGHT ONTO 55 GO 6MI
RIGHT ON OLD STAGE RD, GO TO WATER
TOWER TAKE A RIGHT, LEFT ON POPE LAKE,
LOT ON THE RIGHT AT END OF ROAD.
T/S: 10/30/2007 03:45 PM VBROWN ----

SUBDIV:
PHONE : (919) 639-4295
PHONE : (919) 639-4295

STRUCTURE: 000 000 30X60 SFD 4BDR 3BATH

FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 4.00 PROPOSED USE : SFD
SEPTIC - EXISTING? : NEW

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	3/25/08	TI	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001582308

AK MR

COMMENTS AND NOTES

**ED AGUIRRE & ASSOCIATES, INC.
DAILY INSPECTION REPORT**

Job Name: Popes Lake Sub. Lot #1
 Job Location: Apacir, N.C.
 Client: RL Properties
 Contractor:
 Weather: Sunny, Clear + Mild
 Job Number: 28-061

Date: 3/24/08 3-25-08
 Arrival Time: 11:30
 Departure Time: 12:30
 Job Time: 1.0 0.5
 Travel Time: 1.5 1.5
 Proj. Mgt. Time: .25 - Kick Engr.
 Total Time: 2.75 2.0 hr.

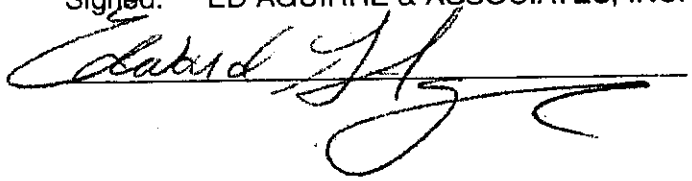
OBSERVATIONS: At your request a representative of EA visited the above site to verify soil conditions in the footings prepared for the proposed single family dwelling.

Upon arrival EA was made aware of a septic tank that was in the back left corner of the proposed footprint/footings. EA recommended to the on-site contractor that the septic tank be removed along w/ any additional debris or unsuitable material in that area. In addition EA recommended that the excavation of the septic tank be backfilled w/ washed stone up to the designed footing bottom elevation. EA probe the footing that remained using the probe rod method, as well as testing the footing bottoms for bearing capacity using the Dynamic Cone Penetrometer method (DCP). No unsuitable material or debris was encountered in the remainder of

SKETCH: footings prepared. Results from the DCP's conducted in 10 representative locations indicated a minimum of 2500 pcf soil bearing capacity.

3-25-08 Septic tank removed, soft soils removed down to firm bearing soil. Excavation backfilled with ~~be~~ cleaned soft compacting washed stone. The washed stone provides a transfer of loading from the bottom of footing (apocly) to the firm bearing soil. Kick Engr. PA will provide sealed letter.

Distribution:
RL Properties
Inspectors.

Signed: ED AGUIRRE & ASSOCIATES, INC.


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	3/25/08	AP	614 Pope Lake Rd Lot 2 NOTE: prev home burned down
B103 01	4/02/08	TI	R*BLDG FOUND. & TEMP SVC POLE VRU #: 001586536

4-2 AP

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	4/02/08	AP	
B105 01	4/04/08	TI	R*OPEN FLOOR VRU #: 001588008
	<u>4-4</u>	<u>AP</u>	

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



**KIRK
ENGINEERING, P.A.**

Date: March 25, 2008

To: Ed Aguirre
Ed Aguirre and Associates, Inc.
4501 New Bern Ave.
Suite 130 #348
Raleigh, NC 27610

Ref: Lot #1 Pope Lake Road, Angier, NC.

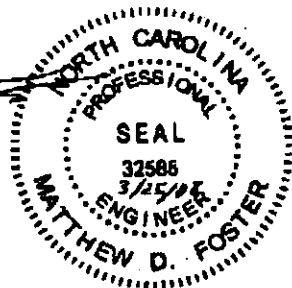
Dear Mr. Aguirre,

At your request I visited the above referenced jobsite. The purpose of my visit was to observe the foundation wall footings. According to the foundation plan the wall footings are 20" wide by 10" deep. The foundation wall footings at the site had been excavated, with the exception of an area at the old septic tank, as shown on plan. The area of the footing at the old septic tank was to be backfilled with #57 stone. I was informed by a representative of Ed Aguirre and Associates, Inc. that the soil bearing pressure was 2,500 psf.

I hope you will find this information helpful. If we may be of further service to you please contact us at your convenience.

Sincerely,


Matthew Foster, PE



ENGINEERING INSPECTION NOTICE

Project: Lot 1 - Pope Lake Road (DG1152)

Date: 27-May-08

Project No.: _____

EIN No.: 612

File No.: _____

Page No.: 1 of 2

Document Type Title

Document No. Rev. No.

Description of Change: (Use continuation sheets or attachments as necessary.)

Wall, Ceiling and Roof Framing (See description on Page 2).

Reason for Change:

- Engineering error/omission.
- Information/clarification.
- Client request.
- Field error or request.
- Field/owner request for change to material/routing/method.
- Vendor/supplier change or late information.
- "Hold" release.

Discipline	Reviewers	Reviewer's Endorsement	Man-Hours Req'd By EIN	Date	Completed/Approved EIN Distribution
<input type="checkbox"/> Chemical					<input type="checkbox"/> Chemical
<input type="checkbox"/> Civil					<input type="checkbox"/> Civil
<input type="checkbox"/> Control					<input type="checkbox"/> Control
<input type="checkbox"/> Electrical					<input type="checkbox"/> Electrical
<input type="checkbox"/> Mechanical					<input type="checkbox"/> Mechanical
<input checked="" type="checkbox"/> Structural	<u>Wm. Curtis Keeling</u>		<u>5.0</u>	<u>23-May-08</u>	<input checked="" type="checkbox"/> Structural
<input type="checkbox"/> HVAC					<input type="checkbox"/> HVAC
<input type="checkbox"/> Lighting					<input type="checkbox"/> Lighting
<input type="checkbox"/> Architectural					<input type="checkbox"/> Architectural
<input type="checkbox"/> Estimating					<input type="checkbox"/> Estimating
<input type="checkbox"/> Cost Engineering					<input type="checkbox"/> Cost Engineering
<input type="checkbox"/> Procurement					<input type="checkbox"/> Procurement
<input type="checkbox"/> _____					<input checked="" type="checkbox"/> Client
<input type="checkbox"/> _____					<input type="checkbox"/> Supplier
Total Man-Hours <u>5.0</u>					<input type="checkbox"/>

Preparer: Wm. Curtis Keeling *WCK*

Date: 23-May-08

Verified By: (if Required) _____

Date: _____

Approved By: _____

Date: _____

Incorporated By: _____

Date: _____

Closed Out By: _____

Date: _____

ENGINEERING INSPECTION NOTICE (CONTINUATION SHEET)

Project: Lot 1 - Pope Lake Road (DG1152)

Date: 23-May-08

Project No.: _____

Page No.: 2 of 2

File No.: _____

IN THIS SPACE

DO NOT WRITE

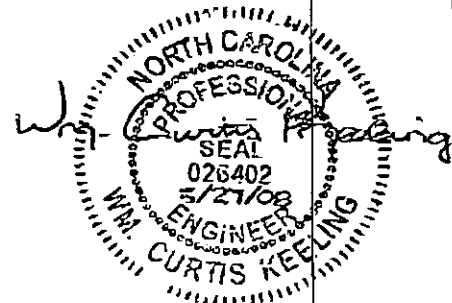
EIN NUMBER 612

RELATED DCR
(if applicable)

DESCRIPTION OF CHANGE: (Use continuation sheets or attachments as necessary.)

23-May: Site visit with Richard Ransom of Southeastern Construction Concepts to inspect house wall, ceiling and roof framing for structural integrity and code compliance.

- 1) *Plans.* Significant structural changes were implemented in the framing of the house walls, ceilings and roof. All changes were previously analyzed and approved.
- 2) *Workmanship.* The site visit confirmed that the structural framing system from the 1st floor walls up to the roof is satisfactory and capable of transferring all Section R301 design loads to appropriate load bearing locations within the 1st floor drop girder/foundation/footing system below.
- 3) *Code.* The house walls are framed in accordance with the structural information provided on the plans and in the 2006 North Carolina Residential Building Code (2006 NCRC).
- 4) *Foundation Anchorage.* Anchor bolts are adequately spaced to transfer wall wind loads to foundation. 1/2" Ø Red Head Trubolt wedge anchors with 4 1/8" embedment depth satisfy anchor bolt provisions set forth in Section R403.1.6.
- 5) *Wall Construction.* Header and jack stud requirements are satisfied for interior/exterior bearing wall opening spans and load conditions per Table R502.5. 1/2" OSB structural panel wall sheathing is attached to framing in accordance with Table R602.3.
- 6) *Roof-Ceiling Construction.* Revised ceiling and roof beams were analyzed using StruCalc v7.0. All new beams were installed with adequate end bearing and stud column support.



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	4/02/08	AP	
B105 01	4/04/08	KS	R*OPEN FLOOR VRU #: 001588008
	4/04/08	AP	
R227 01	5/12/08	TI	TWO TRADE ROUGH IN >2500 VRU #: 001607103
	5/09/08	CA	VOICE MESSAGE LEFT
R427 01	5/12/08	KS	FOUR TRADE ROUGH IN >2500 TIME: 17:00 VRU #: 001607423
	5/12/08	CA	House not wired.
R427 02	5/28/08	TI	FOUR TRADE ROUGH IN >2500 VRU #: 001615185

5-28 DA

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I129 01	6/05/08 6-5	TI AP	R*INSULATION INSPECTION VRU #: 001620393
R427 03	6/05/08 6	TI AP	FOUR TRADE ROUGH IN >2500 TIME: 17:00 VRU #: 001620582

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	6/05/08	AP	
R431 01	9/11/08	TI	FOUR TRADE FINAL >2500 VRU #: 001675388
	9/10/08	CA	CANCELLED FINAL INSPECTION-NO OPERATIONS PERMIT. N-TART
R431 02	9/15/08	TI	FOUR TRADE FINAL >2500 VRU #: 001676378
	9/12/08	CA	CANCELLED FINAL STILL NO OPERATIONS PERMIT. N.TART
H824 01	9/23/08	BM	ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001682202
	9/23/08	AP	
R431 03	9/26/08	TI	FOUR TRADE FINAL >2500 VRU #: 001682575

9-26-08 DPBS

COMMENTS AND NOTES

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	9/23/08	AP	
R431 03	9/26/08	BS	FOUR TRADE FINAL >2500 VRU #: 001682575
	9/26/08	DP	1. Window at master tub not tempered per rough in violation. 2. Insulate attic pulldown. 3. No disconnect or lockout for water heater.

CONTINUED ONTO NEXT PAGE

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COMMENTS AND NOTES

**COUNTY OF HARNETT
DEPARTMENT OF BUILDING INSPECTION
AND PLANNING/DEVELOPMENT
CERTIFICATE OF OCCUPANCY**

This certificate issued pursuant to the requirements of Section 105 of the North Carolina State Building Code and the Harnett County Zoning Ordinance certifies at the time of issuance this structure was in compliance with the various ordinances of the County of Harnett regulating development and building construction or use. For the following:

Use Classification: SFD

Owner: KL Properties

911 Address: 614 Popelake Rd

State: NC Zip Code: _____

Date: 10-14-08

Brad Sutton

Building Official

PERMIT NUMBERS

Building Permit No.: _____

Electrical Permit No.: _____

Insulation Permit No.: _____

Plumbing Permit No.: _____

Mech. Permit No.: _____

MFG. Home: _____

015-15774