

ADDRESS : 204 ATKINS VILLAGE CT
CONTRACTOR : ROYAL OAKS BUILDING GROUP LLC
OWNER : ATKINS VILLAGE LLC
PARCEL : 04-0672- - -0118- -11-
APPL NUMBER: 16-50038113 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 02/29/2016 04:01 PM JBROCK ----
ATKINS VILLAGE LOT 11

SUBDIV: ATKINS VILLAGE PH1 20LTS
PHONE : (919) 233-3886
PHONE :

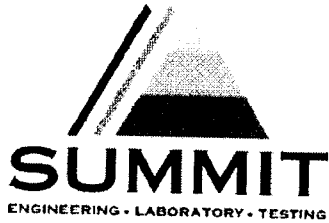
STRUCTURE: 000 000 51X37 3BDR CRAWL W/ GARAGE & DECK

FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 3000000.00
SEPTIC - EXISTING? : NEW TANK
PROPOSED USE : SFD
WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	5/25/16	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002821122 T/S: 05/24/2016 08:27 AM JBROCK
B101 01	5/25/16	TI	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002821098 T/S: 05/24/2016 08:26 AM JBROCK
B103 01	5/25/16	TI	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002821106 T/S: 05/24/2016 08:27 AM JBROCK BRAD HAS THE ENG LETTER BY EMAIL FOR THE FOOTING

COMMENTS AND NOTES



May 17, 2016

Mr. Rick Sargent
Royal Oaks Building Group, LLC
1210 Trinity Road, Suite 102
Raleigh, North Carolina 27607

**Subject: Summary of Foundation Bearing Material Repair
Lot No. 11 – (204 Atkins Village Court)
Atkins Village Subdivision
Fuquay-Varina, North Carolina
Permit Number: 16-50038113
SUMMIT Project Number: 1852-10R
PO Number: 046000011048**

Dear Mr. Sargent:

On May 13, 2016, SUMMIT Engineering, Laboratory and Testing, Inc. (SUMMIT) visited the subject site for the purpose of observing the near surface foundation bearing materials for the proposed residential foundation. The following is a summary of our onsite observations and bearing material evaluation.

As requested, SUMMIT's representative observed the over-excavations for the foundation areas for the lot referenced above. We observed the contractor over-excavate the footings to approximate depths ranging from 3 to 4 feet below the footing bearing elevation and 18 inches in width.


The materials exposed at the bottom of excavations generally consisted of tan, brown and orange, silty-sand (residual soils). As recommended, we observed the contractor line the over-excavated footings with a woven geotextile (Mirafi 500x) and backfill with clean #57 washed stone to the footing bearing elevation. If additional testing for the purpose of estimating volumetric change (shrink/swell) potential or to estimate consolidation is desired, SUMMIT can provide these services.


Based on the results of hand probing and observation of the recommended repairs that were completed, the soils encountered are suitable for support of the proposed residential structure utilizing a net allowable soil bearing pressure of **2,000 pounds-per-square-foot**. Additionally, it was observed that the exterior wall foundations are 18 inches wide and 12 inches thick which is in compliance with Chapter 4 of the 2012 North Carolina Residential code

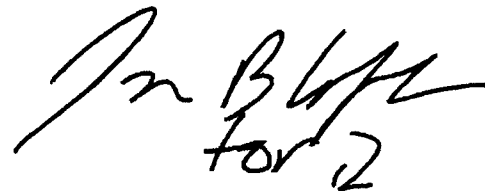
ENGINEERING • LABORATORY • TESTING
120 Penmarc Drive, Suite 108 | Raleigh, NC 27603 | (919) 380 - 9991 | (919) 380 - 9993 (Fax)
WWW.SUMMIT-COMPANIES.COM

SUMMIT appreciates the opportunity to provide our professional services to you on this project. If you have any questions concerning the information in this report or if we can be of further service, please contact us.

Sincerely,
SUMMIT Engineering, Laboratory and Testing, Inc.


Jason B. Coble, P.E.
Raleigh Branch Manager




for 12
J. Elvey Thomas III, P.E.
Senior Geotechnical Engineer