

ADDRESS : 167 ATKINS VILLAGE CT SUBDIV: ATKINS VILLAGE PH1 20LTS  
CONTRACTOR : ROYAL OAKS BUILDING GROUP LLC PHONE : (919) 233-3886  
OWNER : ATKINS VILLAGE LLC PHONE :  
PARCEL : 04-0672- - -0118- -08-  
APPL NUMBER: 16-50038436 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : T/S: 04/11/2016 11:21 AM JBROCK ----  
ATKINS VILLAGE #8

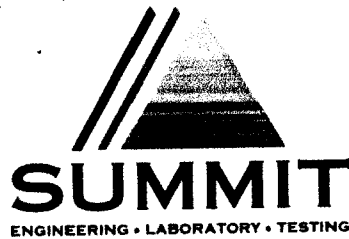
**STRUCTURE: 000 000 48X61 4BDR CRAWL W/ GARAGE**

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

**PERMIT: CPSF 00 CP \* SFD**

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	6/02/16	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002824795 T/S: 06/01/2016 01:42 PM JBROCK -----
B101 01	<u>6/2/16</u>	<u>TI</u> <u>APBS</u>	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002824779 T/S: 06/01/2016 01:41 PM JBROCK ----- BRAD CHOULD HAD ENG LETTER ON AP FOOTING
B103 01	<u>6/02/16</u>	<u>TI</u> <u>/</u>	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002824787 T/S: 06/01/2016 01:42 PM JBROCK -----

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



June 1, 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. 8 – (167 Atkins Village Court)  
Atkins Village Subdivision  
Fuquay-Varina, North Carolina  
Permit Number: N/A  
SUMMIT Project Number: 1852-10R  
PO Number: 046000008074**

Dear Mr. Sargent:

On May 25, 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.

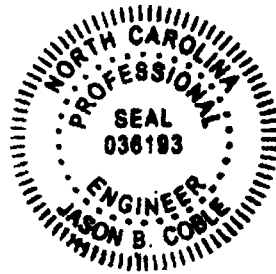
As requested, SUMMIT's representative observed the over-excavations in foundation areas for the lot referenced above. We observed the contractor over-excavate footings to approximate depths ranging from 5 to 6 feet below the existing bearing elevation and 24 to 30 inches in width.

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 24 to 30 inches wide and 12 inches thick which is in compliance with Chapter 4 of the 2012 North Carolina Residential code

**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

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