

ADDRESS : 701 JUNO DR  
 SUBDIV: TINGEN POINTE PH6  
 CONTRACTOR :  
 PHONE :  
 OWNER : THE HARNETT LAND GROUP II LLC  
 PHONE :  
 PARCEL : 03-9576-01- -0088- -85-  
 APPL NUMBER: 17-50040801 CP NEW RESIDENTIAL (SFD)  
 DIRECTIONS : T/S: 02/22/2017 04:00 PM JBROCK ----  
 TINGEN POINTE #173 - 701 JUNO DR  
 T/S: 08/24/2017 01:30 PM BPETRICH --  
 PREMISE #93138530

STRUCTURE: 000 000 43X40 4BDR MONO 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
A814 01	9/14/17 9/14/17	SB AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 003024338 701 JUNO DR BROADWAY 27505 T/S: 09/14/2017 09:04 AM SBENNETT -----
B101 01	9/14/17 9/14/17	JH DA	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 003024346 T/S: 09/13/2017 07:55 AM JBROCK ----- check t-pole please Dig footings down per engineer letters for each lot and clean out all loose dirt.
B101 02	9/19/17 9/19/17	TSG AP	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 003025814 T/S: 09/15/2017 07:37 AM JBROCK ----- T/S: 09/19/2017 04:02 PM BPETRICH -----
B103 01	10/04/17 10/04/17	JH AP	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 003033149 T/S: 10/02/2017 04:22 PM JBROCK -----
P309 01	10/18/17 10/18/17	TSG AP	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 003039831 T/S: 10/16/2017 11:45 AM JBROCK ----- T/S: 10/18/2017 03:14 PM BPETRICH -----
B111 01	10/25/17 <i>10-25-17 AP TJ</i>	TI <i>AP TJ</i>	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 003043510 T/S: 10/24/2017 10:10 AM JBROCK -----

COMMENTS AND NOTES -----



October 16, 2017

Mr. Mike Sans  
Caviness and Cates  
639 Executive Place, Suite 400  
Fayetteville, North Carolina 28305

**Subject: Summary of Slab Subgrade Material Evaluation  
Lot No. 173  
Tingen Pointe Subdivision  
Lillington, North Carolina  
Building Permit Nos.: 17-50040801  
SUMMIT Project Number: 2662-12R (15475-01)**

Dear Mr. Sans:

On October 12, 2017 SUMMIT Engineering, Laboratory and Testing, P.C. (SUMMIT) visited the subject site for the purpose of observing and evaluating the near surface slab subgrade materials for the proposed residential structure. The following is a summary of our onsite observations and evaluation.

The proposed slab areas consisted of approximately 2 feet of fill and had been compacted prior to our site visit.

Our work included testing and bearing grade evaluations of the in-place soil at the proposed slab areas. Hand auger borings were incrementally advanced by manually twisting a sharpened steel auger into the soil at selected locations within the slab areas. The soil consistency at the planned slab subgrade and at selected intervals below the bearing grade were evaluated by Dynamic Cone Penetrometer (DCP) testing. The conical point of the DCP was first seated to penetrate any loose cuttings and then driven three additional 1-3/4 inch increments with blows from a 15-pound hammer falling 20 inches. The soil's strength characteristics and foundation support capability was determined based on the average blows per increment (bpi) over the last two increments to achieve this penetration. Additionally, the entire slab area was evaluated by hand probing using a 1/2 inch diameter steel probe rod to check for soft areas at the surface intermediate of our hand auger boring locations.

SUMMIT tested two isolated locations of the proposed residential slab area. The materials encountered in the proposed slab area typically consisted of brown-tan, silty-sand and sandy-clay (fill soils) and were free of significant quantities of organics and debris. If additional testing for the purpose of estimating volumetric change (shrink/swell) potential or to estimate consolidation of the tested soils is desired, SUMMIT can provide these services.

Based on the results of our DCP testing, hand probing, and our site observations, the soils encountered in our hand auger borings will be suitable for support of a typical residential slab loading conditions.

If slab subgrade materials are exposed to inclement weather or adverse construction activities, **SUMMIT** should be contacted to re-evaluate the slab subgrade materials prior to concrete placement. If it is imminent that inclement weather is forecasted prior to concrete placement, then the slab area can be covered with a plastic sheet to help protect the slab subgrade materials from softening.

**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, P.C.



Jeff A. Taylor, P.E.  
Geotechnical Engineer



Adam D. Perry, E.I.  
Staff Professional