



Central Carolina Soil Consulting, PLLC

4024 Barrett Drive, Suite 201
Raleigh, NC 27609
919-784-9449

September 2, 2009
Project # 785

Joyner Piedmont Surveying
Attention: Andy Joyner
105 East Cumberland Street
P.O. Box 115
Dunn, NC 28335

RE: Soil/Site evaluation for lot #A of the minor subdivision for Herbert H. Johnson adjacent to Brinkley Road in Harnett County, NC.

Dear Mr. Joyner:

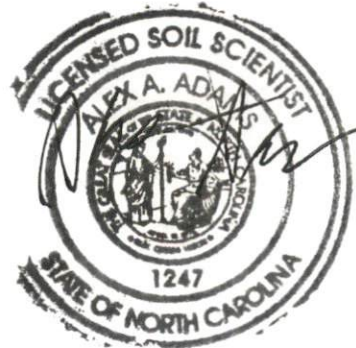
Central Carolina Soil Consulting completed a soils evaluation per your request for the minor subdivision of lot A for Herbert H. Johnson adjacent to Brinkley Road in Harnett County. The soil/site evaluation was performed using hand auger borings, under moist soil conditions, based on the criteria found in the State Subsurface Rules, 15ANCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems." The soils on lot A are suitable for a conventional type septic system and repair area for at least one 4-bedroom home. This lot contains greater than 11,500 ft² of suitable soils that consist of a sandy loam and sandy clay subsoil that can support a daily loading rate of 0.3-0.4 gallons/day/ft². The specific septic system and loading rates for the lot will be permitted by the Harnett County Health Department. The area for the proposed septic field shall not be impacted by home sites, pools, garages and shall not be mechanically altered from the natural lay of the land.

The lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits. Depending on the location and size of the proposed home, garage, pool area etc. a septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for a septic system and repair area. Due to the subjective nature of the permitting process and the variability of naturally occurring soils, CCSC cannot guarantee that areas delineated as suitable for on-site wastewater disposal systems will be permitted by the governing agency.

Please give me a call if you have any questions.

Sincerely,

Alex Adams
NC Licensed Soil Scientist
Encl: Soils Map



9-2-09



Herbert H Johnson Soil Evaluation Lot #A 1.00 acre Brinkley Road, Harnett County

N

Brinkley Road

*Approximate Lot Sketch.
**Not a survey.

Proposed Soil LTAR is 0.3-0.4 gal/day/ft²
Proposed 18 inch trench bottoms
Lot contains adequate suitable soils
for a 3-bedroom initial
and repair septic systems
depending on proposed site plan
with house and other proposed
structures.



9-2-69

Road Easement
to Brinkley Road

*Septic system setbacks listed below for new lots.
1) 10' from property lines.
2) 100' from wells for primary systems.
3) 50' from wells for repair systems.
4) 50' from surface waters (streams, ponds, lakes).
*Any mechanical disturbances such as grading, cutting and filling of the
suitable soil areas can render areas unsuitable for future septic systems
*See accompanying report for additional information.
*Base map acquired from Client's Surveyor
*This lot configuration contains sufficient suitable soils for
at least one repair area for a 3-Bedroom Home.
*Due to Soil Variability, CCSC cannot guarantee that areas
shown as suitable will be permitted by the local Health Department.

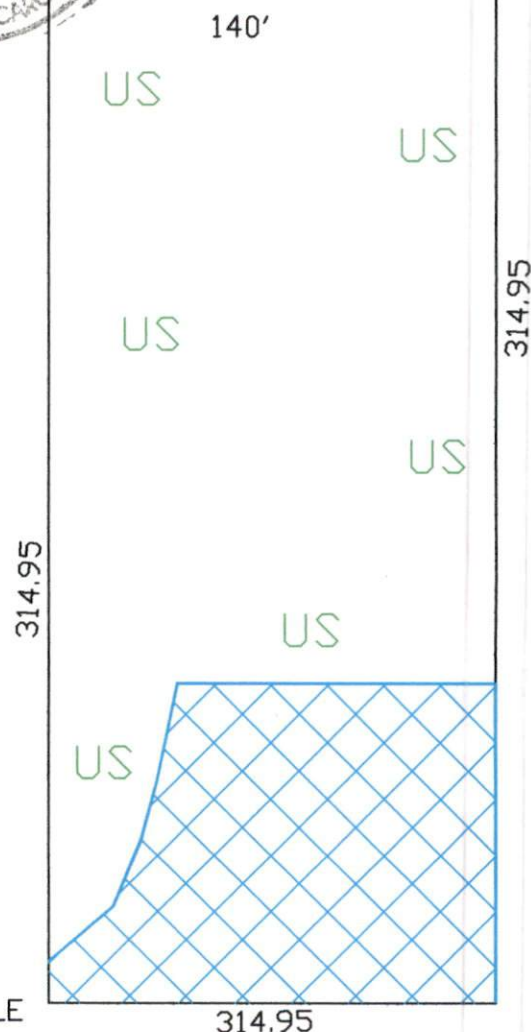
Legend



Areas contain soils with
24 to 30 inches or more of
usable material and have
potential for conventional
modified conventional, LPP
or ultra-shallow
conventional septic
systems.

US Areas with <24" of suitable soil

GRAPHIC SCALE
1" = 60'



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Pugh Builders
Brinkley Road, Single lot

4-Bedroom (480 gal./day)

<u>LINE #</u>	<u>COLOR</u>	<u>BS</u>	<u>HI</u>	<u>FS</u>	<u>ELEVATION</u>	<u>LINE LENGTH</u>	<u>Design Length</u>
TBM		2.1		100.0		<u>in field</u>	<u>installation</u>
INST. 1			102.1				
1	Red			4.5	97.6	50	50
2	Yellow			4.7	97.4	52	50
3	Blue			4.4	97.7	105	100
4	Pink			4.5	97.6	102	100
5	Yellow			4.7	97.4	100	100
6	Orange			4.1	98.0	76	70
7	Orange			4.9	97.2	96	90
8	Red			5.0	97.1	80	70
9	Blue			5.2	96.9	63	60
10	Pink			5.3	96.8	70	70
11	Yellow			5.6	96.5	52	50
					Total	846	810

	<u>System</u>	<u>Repair</u>
	Lines 1-5	Lines 5-11
System Type	Accepted Status System EZ-FLOW	Accepted Status System EZ-FLOW
Suggested Soil LTAR	0.30	0.30
System Installation LTAR	0.3	0.3
Total Line Length	400	410
Square Footage	1200	1230
Proposed Trench Bottom	12"	12"
Distribution Method		

Gravity to D-Box

Pressure Manifold

Notes: Line #1 will have a flow divider to Line #2

If plumbing is not sufficient then a pump tank will be required to dose initial septic field

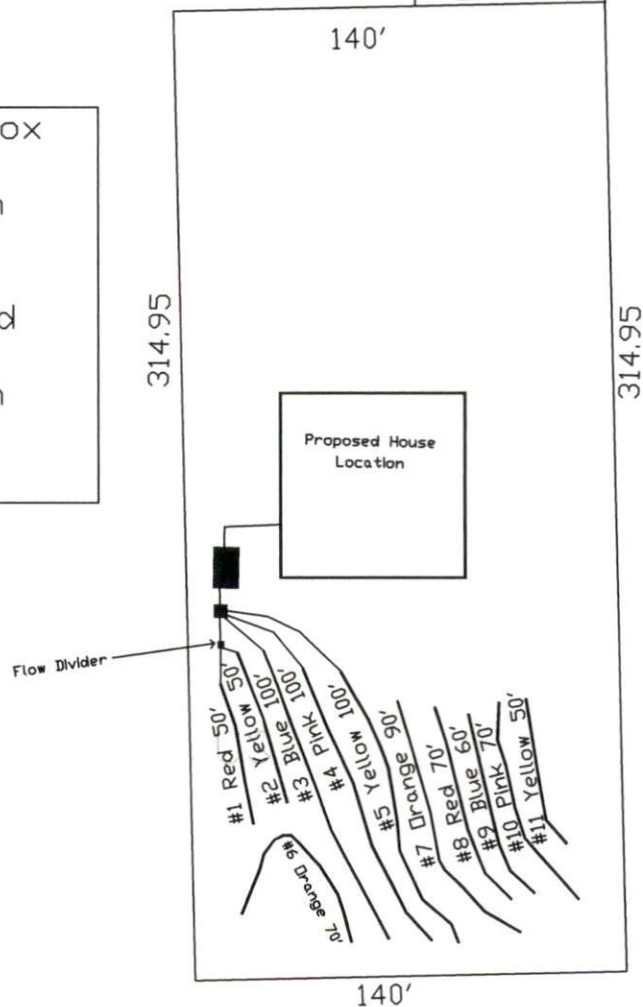
Pugh Builders Brinkley Road 4-Bedroom System



Brinkley Road

Road Easement
to Brinkley Road

System: Gravity to D-Box
Lines: 1-5, (400')
Accepted Status System
0.3 Soil LTAR
12" Trench Bottom
Repair: Pressure Manifold
Lines: 6-11 (410')
Accepted Status System
12" Trench Bottom
0.3 Soil LTAR



GRAPHIC SCALE
1" = 60'



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919-569-6704
Project # ???

Pugh Builders Brinkley Road 4-Bedroom Repair



Brinkley Road

Road Easement
to Brinkley Road

140'

314.95

314.95

Proposed House
Location

System: Gravity to D-Box
Lines: 1-5, (400')
Accepted Status System
0.3 Soil LTAR
12" Trench Bottom
Repair: Pressure Manifold
Lines: 6-11 (410')
Accepted Status System
12" Trench Bottom
0.3 Soil LTAR

#7 Orange 90'
#8 Red 70'
#9 Blue 60'
#10 Pink 70'
#11 Yellow 50'

#6 Orange 70'

140' manifold

GRAPHIC SCALE
1" = 60'



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