

Southeastern Soil & Environmental Associates, Inc.

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May 10, 2019

Harnett County Health Department
307 Cornelius Harnett Blvd.
Lillington, N.C. 27546

Re: Soil evaluation and final septic recommendation, 5.15-acre lot, Betty Ann W. Bowen, NCSR 2027, Harnett County, North Carolina

To whom it may concern,

A preliminary soils investigation has been completed for the above referenced lot. The property is located on NCSR 2027 as shown on the accompanying map. The purpose of the investigation was to determine the ability of the soil to support any subsurface waste disposal system for the proposed lot. All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900".

The lot appears to contain at least one area that meets minimum criteria for subsurface waste disposal systems for at least a typical (60' x 60') 4 bedroom home (may include the use of conventional drainlines, gravelless drainlines, low pressure pipe, pumps, fill, large diameter pipe, french drains, pretreatment, drip irrigation, etc.). Soil characteristics in the usable areas were dominantly provisionally suitable to at least 18 inches (fill, drip irrigation and/or pretreatment) or 24 inches (conventional or LPP) including .1940, .1941, .1942, .1943, .1944 and .1945. A soil map indicating typical soil areas that meet these criteria is enclosed. The lot appears to contain sufficient available space for a repair area for at least a typical 4-bedroom home (may include the use of any of the systems mentioned above).

This lot may require specific design/layout on our part prior to action by the local health department due to space and soil considerations (at separate cost to client). Alternative systems (mentioned above) could be required on the lot to compensate for shallow unsuitable soil conditions. Specific house location, house size, driveway location and/or side entry garage may be required on any individual lot. There should be no grading, logging or other site disturbance in soil areas designated as usable for subsurface waste disposal until approved by the local health department (any site disturbance could remove soil and render the area unusable).

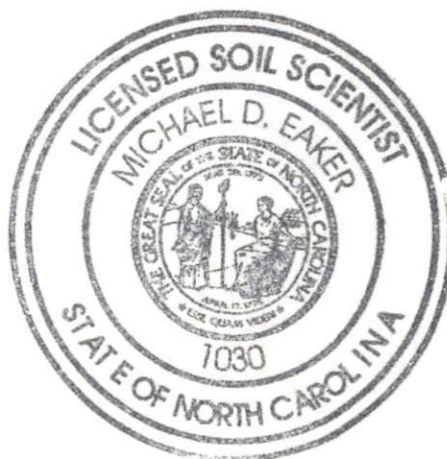
When evaluated, the soil areas designated as usable for subsurface waste disposal were dry to at least 24 inches. During wetter time periods, subsurface water could be found in any of these soil areas at shallower depths. The local health department has the authority to deny a permit to any soil where water saturates a soil boring. SSEA cannot be certain that this will not occur on any of these lots. If this occurs (and cannot be remedied with a french drain or other drainage), any of these lots could become unsuitable due to .1942 (soil wetness).

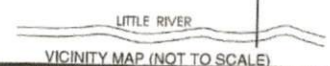
As with any property, this report does not guarantee, represent or imply approval or issuance of improvement permit as needed by the client from the local health department (as such, any potential buyers of these properties should obtain appropriate permits from the local health department prior to making and/or completing purchase obligations or financial commitments. Since professional opinions sometimes differ, an actual improvement permit issuance by the local health department is the only "guarantee" of a site's suitability for a buyer's intended use.). This report only addresses rules in force at the time of evaluation. Permits will only be granted if the local health department concurs with the findings of this report. This report only represents my professional opinion as a licensed soil scientist. I trust this is the information you require at this time. If you have any questions, please call.

Sincerely,



Mike Eaker
NC Licensed Soil Scientist





NORTH CAROLINA
Currituck County

I, George L. Lott, certify that this plat was drawn under my supervision from an actual survey made under my supervision. I read the description recited in book _____ page _____ et seq. that the boundaries not surveyed are clearly indicated as drawn from information found in book _____ page _____ that the ratio of precision as calculated is 1/20,000. That this plat was prepared in accordance with G.S. 47-20 as amended. Witness my original signature, registration number and seal this _____ day of _____ 2017.

George L. Lott, Professional Land Surveyor
L-1379

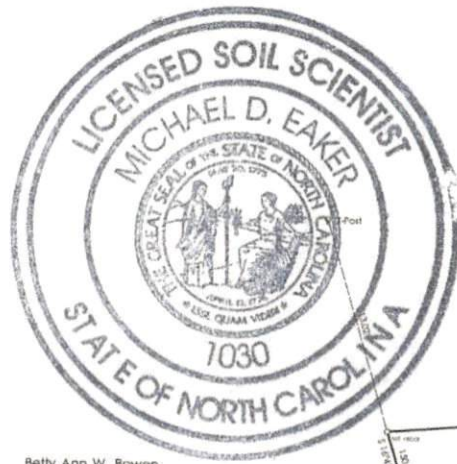
I, George L. Lott, PLS L-1379, certify that the control for this survey was established from an actual GPS survey under my supervision. This GPS survey was performed to C-211 FGCC specifications. The GPS with VRS field procedures were used. The GPS system used is an ALTAIS AP5-2 UNIGeod or GPS scale = 0.9996447.

- I, George L. Lott, PLS L-1379, certify to one of the following as indicated:
- A. That this plat is of a survey that creates a subdivision of land within the area of a county or municipality that has an ordinance that regulates parcels of land.
 - B. That this plat is of a survey that is located in such portion of a county or municipality that is unregulated as to an ordinance that regulates parcels of land.
 - C. That this plat is of a survey of an existing parcel or parcels of land.
 - D. That this plat is of a survey of another category, such as the recombination of existing parcels, a court order survey or other exception to the definition of subdivision.
 - E. That the information available to this surveyor is such that I am unable to make a determination to the best of my professional ability as to provision contained in (A) through (D) above.

Nonconforming structures have not been created by this subdivision.

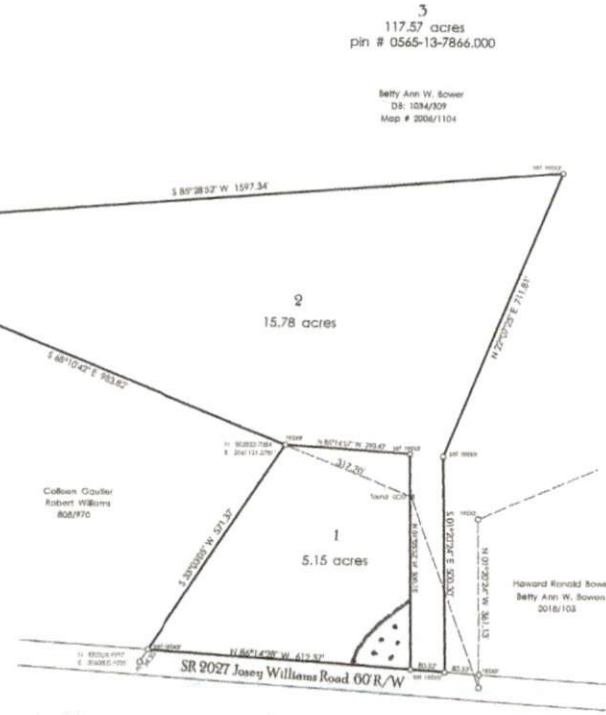
LEGEND

- | | |
|----------------------------|-----------------------------|
| LINES SURVEYED ——— | CCS = COTTON SPINDLE SET |
| LINES NOT SURVEYED - - - - | CSF = COTTON SPINDLE FOUND |
| EASEMENT = - - - - - | CL = CENTER LINE |
| ECM = EXIST CONC MON | PP = POWER POLE |
| EIP = EXIST IRON PIPE | ESMT = EASEMENT |
| RW = RIGHT OF WAY | EPK = EXIST PK NAIL |
| ERRS = EXIST RAIL HD SPK | WM = WATER METER |
| HRS = RAIL ROAD SPK SET | MH = MAN HOLE |
| SPK = SET PK NAIL | TP = TELEPHONE PEDESTAL |
| SIP = SET IRON PIPE | CP = COMPUTED POINT NOT SET |
| MN = MAG NAIL | OHE = OVERHEAD ELECT. LINES |
| NTS = NOT TO SCALE | |
- ALL OBSTACLES & DIMENSIONS ARE HORZ. GROUND
AREA DETERMINED BY COORDINATE METHOD



Betty Ann W. Bowen
896 Josey Williams Rd.
Erwin, N.C. 28339

NOTES:
Zoned: RA - 20R
setbacks
Front = 35'
Rear = 25'
Side = 10'
corner lot side yard = 20'
max. hgt. = 35'



3
117.57 acres
pin # 0565-13-7866.000

Betty Ann W. Bowen
DE: 1384709
Map # 2006/1104

NORTH CAROLINA
HARNETT COUNTY

This map/plat was presented for registration and recorded in this office at map number _____ this _____ day of _____ at _____ o'clock _____ M.

Kimberly S. Hargrove
Register of Deeds

By: _____
Asst./ Deputy Register of Deeds

I hereby certify that the development depicted hereon has been granted final approval from Harnett County 6411 addressing Environmental Health, Farming, Public Utilities, and the North Carolina Department of Transportation. This plat is subject to any and all conditions listed below and is eligible for registration in the Harnett County Register of Deeds within thirty days of the date below.

#11 Addressing - _____
Public utilities (not for construction) - _____
NCDOT - _____
Subdivision Administrator _____ Date _____

CERTIFICATION OF OWNERSHIP, DEDICATION AND JURISDICTION

I/we hereby certify that I am /we are the owner(s) of agent of the property shown and described hereon and that I/we hereby adopt this plan of subdivision with my/our free consent, establish the minimum building setback lines, and dedicate all streets, alleys, walks, paths and other sites and easements to public or private use as noted and all of the land shown hereon is within the subdivision jurisdiction of Harnett County except:

Date: _____ Owner/Agent _____

= Provisionally Suitable Soil

DIVISION OF THE PROPERTY OF
Betty Ann W. Bowen
Stewart's Creek Township
Harnett County
North Carolina
Scale 1" = 200'
May 2019



George L. Lott Professional Land Surveyor
136 Reviled Clinic, Fayetteville, N.C. 28301
Phone: (910) 474-2178 email: glott@na.s.com

