



Needham & Gulley Environmental, PLLC

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April 7, 2026

Jane & Claude Marston

88 Wilson Street
Raleigh, NC 27602

RE: Septic Evaluation for PINs 1250002104 and 1250002105, located on Wilson Street, Brunswick County, North Carolina.

Dear Jane & Claude:

On March 25, 2026, I made a site visit to the above-mentioned properties, which total approximately 3.28 acre in size. These are Tracts B and C recorded in Brunswick County Register of Deeds Map Book 87, Page 12. The purpose of this visit was to evaluate the lot for the placement of a three-bedroom, onsite, subsurface, conventional, modified conventional, alternative, or innovative waste water system. The North Carolina Department of Health and Human Services, Division of Environmental Health Regulations, 15A NCAC 18E, were used as a guideline for making this evaluation. This evaluation was performed by placing hand auger borings to depths of approximately 36" at various locations on both lots. The lots were not surveyed prior to this evaluation, but there were some old survey ribbons along the western property line.

The soils that I encountered in the southwestern portion of Tract B, Brunswick County PID 1250002104, were found to be provisionally suitable for fill mound and pretreatment septic systems. I have attached a "Bore Hole Location Map" showing my approximate soil boring locations on the properties. The yellow markers on the map are the provisionally suitable soils that I encountered.

I have placed an approximate 90' x 125' gray rectangle on the map which represents a 3-bedroom initial mound septic system using conventional drainlines and a conventional mound repair area sized at a 0.3 gallon/day/sqft Long Term Acceptance Rate (LTAR). The initial septic system will consist of four, 100' long laterals in an approximate 24" mound constructed of approved Group I sands. The exact height of the fill mound will depend on the specific ground surface elevations of the system area, which could not be determined at the time of this investigation due to the vegetation on the property, but will be approximately 24" high.

A four-bedroom septic system will also fit within the same general area shown with a gray rectangle if the repair area is a T&J Panel-Block fill mound system. A four-bedroom conventional initial fill mound will require six, 89' long drainlines in an approximate 24" mound. The total area for a four-bedroom initial fill mound using conventional drainlines and a T&J Panel-Block mound system repair area is approximately 95' x 117'.

If you have any questions or concerns, please contact me at (910)795-0319, (910)297-1282, or by e-mail at tgulley@gmail.com.

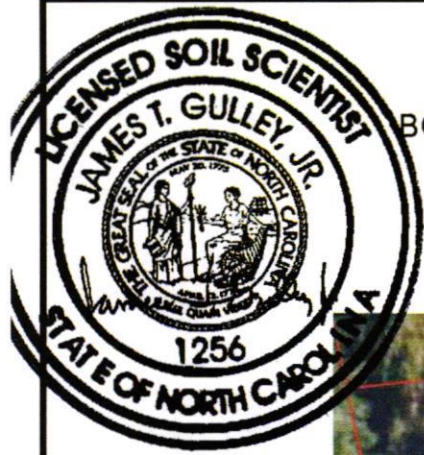
Sincerely,

A handwritten signature in black ink that reads "James T. Gulley, Jr." in a cursive style.

J. Tom Gulley, Jr.
North Carolina Soil Scientist License# 1256
North Carolina AOWE# 10032E

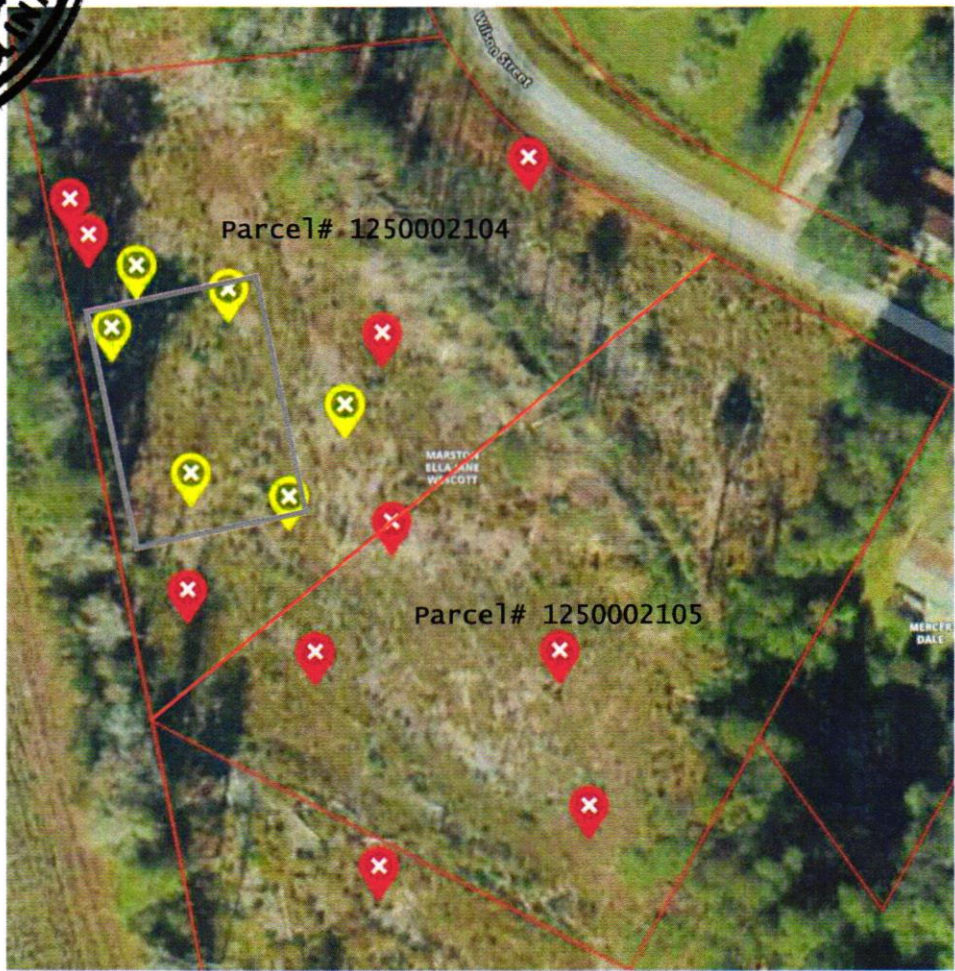
cc: Scott Earp





BORE HOLE LOCATION MAP

PINs: 1250002104 & 1250002105
BOLIVIA - BRUNSWICK COUNTY - NORTH CAROLINA





Map Source: OnXMaps

SCALE 1" = 100'



TRACTS TOTAL ~ 3.28 ac

LEGEND

-  A SINGLE BORING AT THIS LOCATION YIELDED SOILS THAT ARE CONSIDERED PROVISIONALLY SUITABLE FOR ON-SITE SUBSURFACE WASTE TREATMENT USING FILL MOUND AND PRETREATMENT SEPTIC SYSTEMS. EST. SEASONAL HIGH WATER TABLE 12-16 INCHES. EST. PERMEABILITY 120 to 240 MIN/IN. LTAR= 0.3 (GOLDSBORO SOILS)
-  A SINGLE HAND AUGER BORING YIELDED SOILS THAT ARE CONSIDERED UNSUITABLE FOR ON-SITE WASTE TREATMENT DUE TO A SEASONAL HIGH WATER TABLE OF <12 INCHES. (LYNCHBURG SOILS)

FOR PRELIMINARY PLANNING PURPOSES ONLY

THIS IS NOT A SURVEY.
LOCATIONS SHOWN WERE TAKEN WITH A
SMART PHONE & THE ONXHUNT APP.

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NEEDHAM & GULLEY ENVIRONMENTAL, PLLC

April 6, 2026

DRAWN BY: JTG