

**HAL OWEN & ASSOCIATES, I.C.****SOIL & ENVIRONMENTAL SCIENTISTS**

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22 April, 2003

Mrs. Linda T. Gustafson  
601 South Layton Avenue  
Dunn, NC 28334

Reference: Preliminary Soil Investigation  
Little Stoney Run Property

Dear Mrs. Gustafson,

A preliminary soil investigation has been conducted for the above referenced property, located on the southern side of NC Hwy 55 adjacent to Little Stoney Run Creek, Harnett County, North Carolina. The purpose of the investigation was to determine the property's ability to support subsurface sewage waste disposal systems. All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment and Disposal, 15A NCAC 18A .1900." This report represents my professional opinion as a Licensed Soil Scientist but does not guarantee or represent permit approval for this lot by the local Health Department. An improvement permit for all residences will need to be obtained from the Health Department that specifies the proposed home size and location, and the design and location of the septic system to be installed.

Except for a very small portion of the 1.5-acre tract, the soils were observed to be unsuitable for subsurface sewage waste disposal due to excessive soil wetness conditions. A soil investigation by backhoe pit was conducted in the field immediately adjacent to the property. A significant area of provisionally suitable soil was observed in the higher elevations of the field (see attached map). The soils were observed to be very gravelly sandy loams and loamy sands to greater than 36 inches. Although none were observed, it is likely that soil wetness conditions and/or clayey textured subsoil layers are exhibited below 36 inches. Therefore, it is recommended that a long term acceptance rate of 0.4 to 0.5 gal/day/sqft be utilized. It appears that the soils within the usable soil area are adequate to support a conventional septic system and repair area for a three-bedroom residence. It is our understanding that an easement has been obtained to allow you to utilize this area for your septic system.

I trust that this report provides the information that you require at this time. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,



Hal Owen  
Licensed Soil Scientist



CC: Jimmy Manhart