

**HAL OWEN & ASSOCIATES, INC.** 08-50020374

SOIL & ENVIRONMENTAL SCIENTISTS

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*Ringo  
Mitter*

14 July, 2008

Mr. Jonathan Bethune  
435 Wire Road  
Bunnlevel, NC 28323

Reference: Final Soil Investigation

Clark Road Properties -- 2.81 Acres

Lot 1 PID 130527 0010 - .78 Acres

Lot 2 PID 130527 0035 - 1.01 Acres

Lot 3 PID 130527 0036 - 1.02 Acres

Dear Mr. Bethune,

A final soil investigation has been conducted at the above referenced property, located on the northeastern side of Clark Road (SR 1129), Upper Little River Township, Harnett County, North Carolina. The purpose of the investigation was to determine the ability of these properties to support a subsurface sewage waste disposal system and repair area for a typical three-bedroom home. All soil ratings and determinations were made in accordance with "Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900". It is our understanding that individual septic systems and public water supplies will be utilized at this site.

These properties are composed of a mixture of soils that range from provisionally suitable to unsuitable for subsurface sewage waste disposal (see attached map). There is an area of provisionally suitable soils for subsurface sewage waste disposal located in the northern corner of lot 2 and along the northern property boundary of lot 3. These provisionally suitable soils were observed to be friable sandy clay loams to greater than 36 inches and appear adequate to support a long term acceptance rate of 0.4 to 0.5 gal/day/sqft. It appears that the soils in this area are adequate to support an initial system and at least a partial repair area for a 3 or possibly 4 bedroom home. It is our understanding that these lots were recorded before July 1, 1977 and are exempt from the repair area requirements under 15A NCAC 18A .1945(c) and the minimum horizontal distance requirements in 15A NCAC 18A .1951.

The unsuitable soil area is so rated due to excessive soil wetness. The ability to utilize alternative systems or make modifications to this area to allow for septic systems is minimal. Some of this area will likely support a building foundation, but addition of fill material and drainage modifications are recommended. Utilization of pump type systems with accepted status drainlines would allow the home to be sited in the unsuitable soil area and the septic drainfield to be located in the usable soil area. There is inadequate space for the home to be sited in the usable soil area.

I appreciate the opportunity to provide this service and hope to be allowed to assist you again in the future. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,



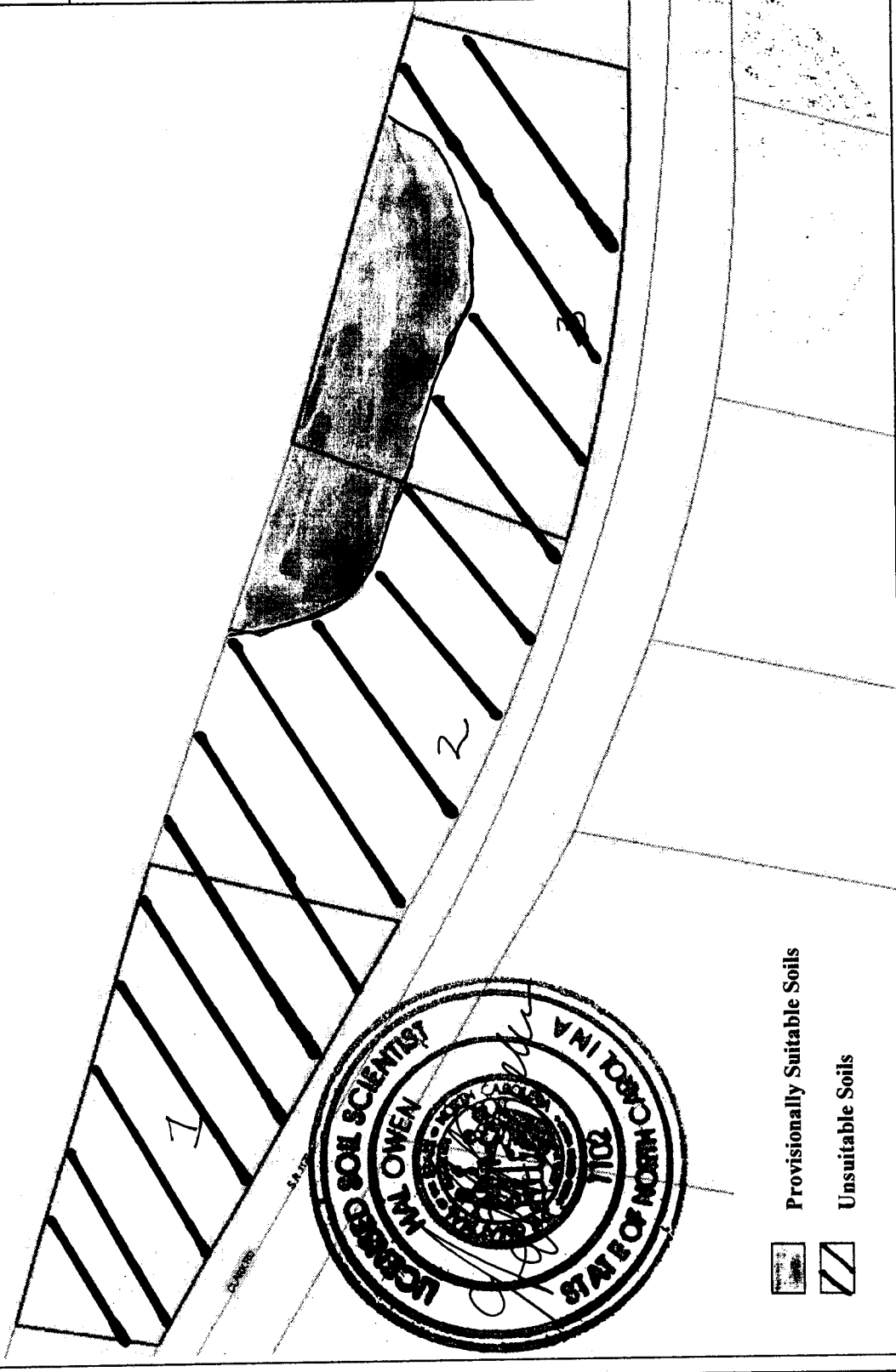
Hal Owen  
Licensed Soil Scientist



HARNETT COUNTY, NORTH CAROLINA GIS/LAND RECORDS



- Boundary(City & County)
- cftrv roads
- Centerline
- Parcels
- Major Roads



- Provisionally Suitable Soils
- Unsuitable Soils

Harnett County GIS  
 305 W Cornelius Harnett Blvd, Suite 100  
 Lillington, NC 27546  
 Phone: 910-893-7523      WWW.HARNETT.ORG

Any use of this map shall be at the sole risk of the user of this map. Although, all effort has been taken to insure accuracy in the data presented, Harnett County makes no warranty, expressed or implied, as to the accuracy of this information represented herein. Any user of this product shall hold harmless Harnett County, its elected officials, employees and agents from and against any claim, damage, loss, action, cause of action, or liability arising from the use of this GIS product.



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All distances are Paced  
 and Approximate.