

JAN-22-2002 02:28P FROM:

TO: 6398841

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**Thomas J. Boyce**  
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**NC Licensed Soil Scientist # 1241**  
**NC Registered Sanitarian # 1353**

Stancil Builders Inc.  
466 Stancil Rd.  
Angier, NC 27501

Re: Lots 4, 6, and 10 Alex Place Subdivision

Dear Mr. Stancil,

A soils evaluation was completed on the above referenced property on October 25, 2005. No improvements had been made to the property at this time. The purpose of the evaluation was to determine the ability of the soils to support a subsurface waste disposal system. All ratings and determinations were made in accordance with "Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900".

A septic system design and layout was done on each of the above referenced lots. The soils on the lots ranged from twenty-four inches to over thirty-six inches to an unsuitable condition. A long term acceptance rate of .3-.35 gpd/sq. ft. can be assigned. Lot 4 has a proposed accepted system (25% reduction) laid out. The lot could also support a T & J Panel System (50% reduction). Repair area could be accepted or innovative (drip irrigation without pretreatment). Old erosional features need to be graded out. Lot 6 has irregular topography due to the spoil pile placed on the lot. The land surface needs to be returned to original grade to do a layout, however, adequate soils area exists for an initial and repair utilizing an accepted system based on the permitting of adjacent lots. Lot 10 will require a pump to overcome elevation differences and use an at-grade accepted system with an innovative repair (drip irrigation without pretreatment) even though an accepted system lies within the conservation buffer.

This report does not guarantee or represent approval or issuance of permits as needed by the local health department. This report only represents my opinion as a licensed soil scientist. I trust this is the information that you require at this time. If you have any questions, please call.

Sincerely,

*Thomas J. Boyce*  
Thomas J. Boyce

