IREDELL COUNTY HEALTH DEPARTMENT

412 East Center Avenue • Mooresville, North Carolina 28115 • (704) 664-5281

Raymond R. Rabe
Health Director

June 25,1998

Mr. Mike Wellons
125 Indigo Lane
Mooresville, NC 28115

Dear Mr. Wellons,

This letter is to confirm our recent conversation regarding the problem encountered on lot 13, Section 2, Pinnacle Shores and the what hopefully will be the best solution to your situation.

On April 26,1996 a septic improvement permit was issued to Crescent Resources, Inc. for lot 13, Section 2 Pinnacle Shores on Indigo Lane. This permit was for a low pressure pipe system (LPP). An LPP is an alternative type of system that is sometimes utilized on sites with marginal soil depth conditions. This system generally is installed about 12" deep (trench bottom) with approximately 6" of cover material over the filter stone. The Iredell County Health Department does not design this type of system. We require an engineer or other knowledgeable professional to provide this system design due to a number of reasons.

Sometime after April 26,1996 you purchased this lot from Crescent Resources. A few months ago you made an office visit to the Health Department for purposes of obtaining a construction authorization which is required to secure a building permit. Review of your proposed house plan revealed a larger house site than shown on the original permit. Modification to the LPP plan or reducing the house size was then necessary. At that time I referred you to Mr. Toney Jacobs (Soil Scientist and CRI consultant) who provided the original system design. Subsequently Mr. Jacobs revisited the site and afterwards notified this department of a site problem. Significant soil erosion over the LPP area had occurred. Apparently this is the result of numerous heavy rains this area experienced several months ago combined with the fact the lot had been cleared and not restabilized (grassed). Numerous "rutted" areas now exist over the site. Even if fill material were now placed in these ruts, there is a high probability sewage effluent would still seep to the ground surface. Therefore exploring other options now is necessary.

Mr. Jacobs did some additional soil work by evaluating deep backhoe pits in an effort to find usable saprolite. The majority of these deep pits revealed saprolite that had too high a clay content and poor hydraulic conductivity.

This now brings us to what is likely the best remaining option. This option is obtaining written permission from Duke Power Company to utilize area underneath their transmission line right of way for purpose of septic drainfield installation along with the appropriate repair area needed also. You indicated to me in our last conservation they were agreeable to do this. Upon verification of this, I will be willing to identify an area of usable soil, topography and space in which a septic system drainfield can be installed.

I hope we can reach a satisfactory resolution to your problem. I look forward to hearing from you so we may proceed with this work. I certainly will help every way I can to remedy this situation.

Sincerely,

David Hinson, RS
Environmental Supervisor 1