

# Southeastern Soil & Environmental Associates, Inc.

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*T. Oliver*

March 12, 2003

Ms. Linda Fairweather  
1804 Mabry Road  
Angier, N.C. 27501

Re: Soil/site evaluation for repairs, NCSR 1537, Harnett County, North Carolina

Dear Ms. Fairweather,

A soil/site evaluation for repairs has been conducted on the aforementioned property. The subject site is located off NCSR 1537 as shown on the accompanying map. The purpose of the investigation was to determine if soils were acceptable for a repair subsurface waste disposal system to serve an existing residence. All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900".

At least one site was located on the property that contained soils that have provisionally suitable properties exceeding 30 inches. The site essentially lies on a linear slope (0 - 2%) landscape. The site maintains at least 50 feet from the existing pond (after the recent rains, the existing water level was considered the high water mark). Soil borings conducted in most of this area consisted of 12 or more inches of loamy sand underlain by sandy clay loam extending to 30 or more inches. Soil wetness (colors of chroma 2 or less) was typically observed greater than 30 inches below the soil surface. All other soil characteristics were either suitable or provisionally suitable to at least 30 inches.

We identified and flagged 3 existing 133 foot drainlines (of which the 3<sup>rd</sup> or lower line was failing). We propose adding a bull run valve to a new drainfield consisting of 4-100 foot drainlines as shown on the accompanying map (also flagged on the ground). These drainlines could be install from 12 to 24 inches deep as flagged. The failing line on the existing system should be cut and dammed at the point of failure. The valve can be used to alternate systems (the old system for dry periods in the summer & the new system for remainder. Further, the valve could be used to divert a percentage to the old system and a percentage to the new).

This report, of course, does not guarantee or represent approval or issuance of permit as issued by the Harnett County Health Department. This report represents my opinion as a licensed soil scientist. Permits will only be granted if health department personnel concur with the findings of this report.

Sincerely,



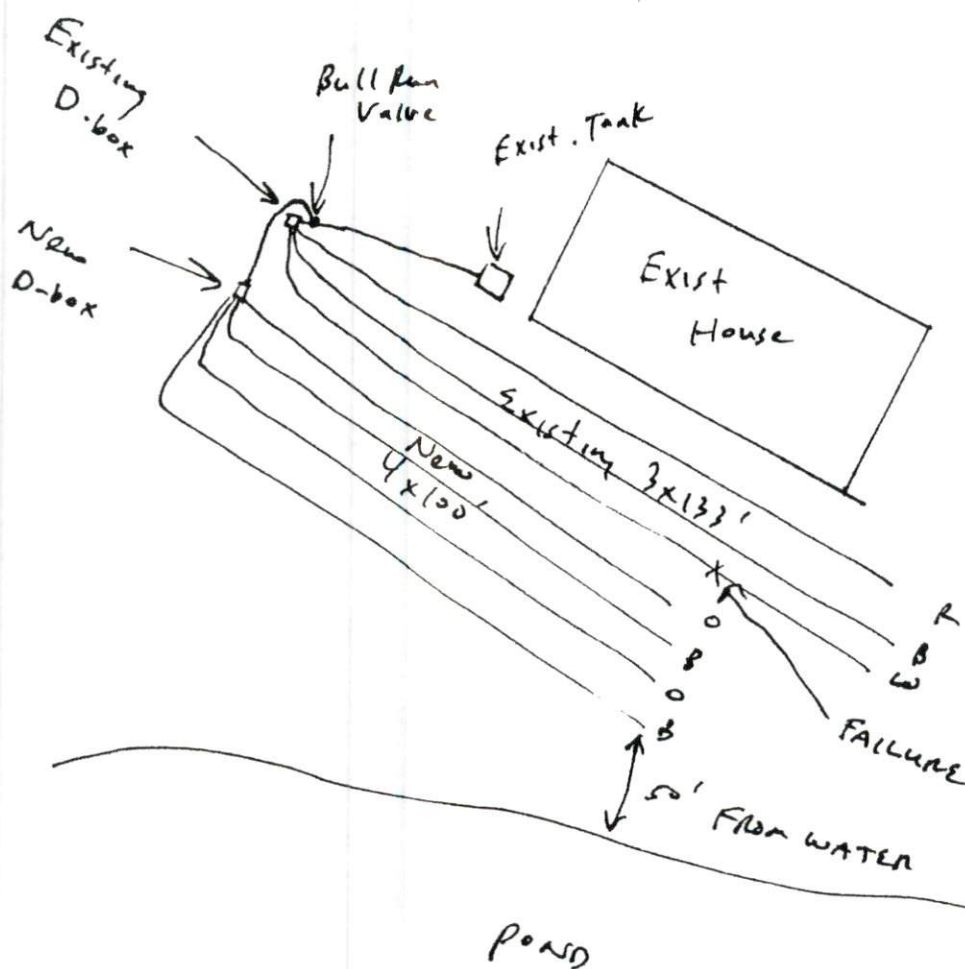
Mike Eaker  
President



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\* Use best professional judgment



NSR 1577

to the people; and the people will be