

HALOWEN & ASSOCIATES INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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5 March, 2002

Mr. Oliver Tolksdors
Harnett County Environmental Health
P.O. Box 9
Lillington, NC 27546

Reference: Larry Jernigan Property – 29.95 Acres
Site Investigation & Septic System Design

Dear Mr. Tolksdors,

A site investigation and septic system design was conducted for the above referenced property in response to the request of Mr. Larry Jernigan (owner) to bring the septic system closer to his home. The site is located on the West Side of Guy Road (S.R. 1544), Black River Township, Harnett County, North Carolina. The purpose of the investigation was to determine the ability of this property to support a subsurface sewage waste disposal system and 100 % repair area for a three-bedroom home. An individual well will be utilized for this lot. A pump to 3 x 133' x 3' ultra shallow conventional trenches is the proposed design for the initial septic system and a pump to 4 x 100' x 3' ultra shallow conventional trenches is the proposed design for the repair system.

Attached is a simple schematic of the proposed septic system layout for this property. I trust that this report provides all the information that you require at this time. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,



Laura J. Fortner
Soil Scientist in Training III

SEPTIC SYSTEM LAYOUT DESIGN: FIELD SHEET

Project/Site: Mr. Larry Rnigan
592 Guy Rd., Angier NC 27501

#: 29.95 Acres

Investigator _____

Bedrooms 3

Date _____

House Footprint 34 X 57

Setbacks _____

Slope: _____ Foundation Drain: YES NO

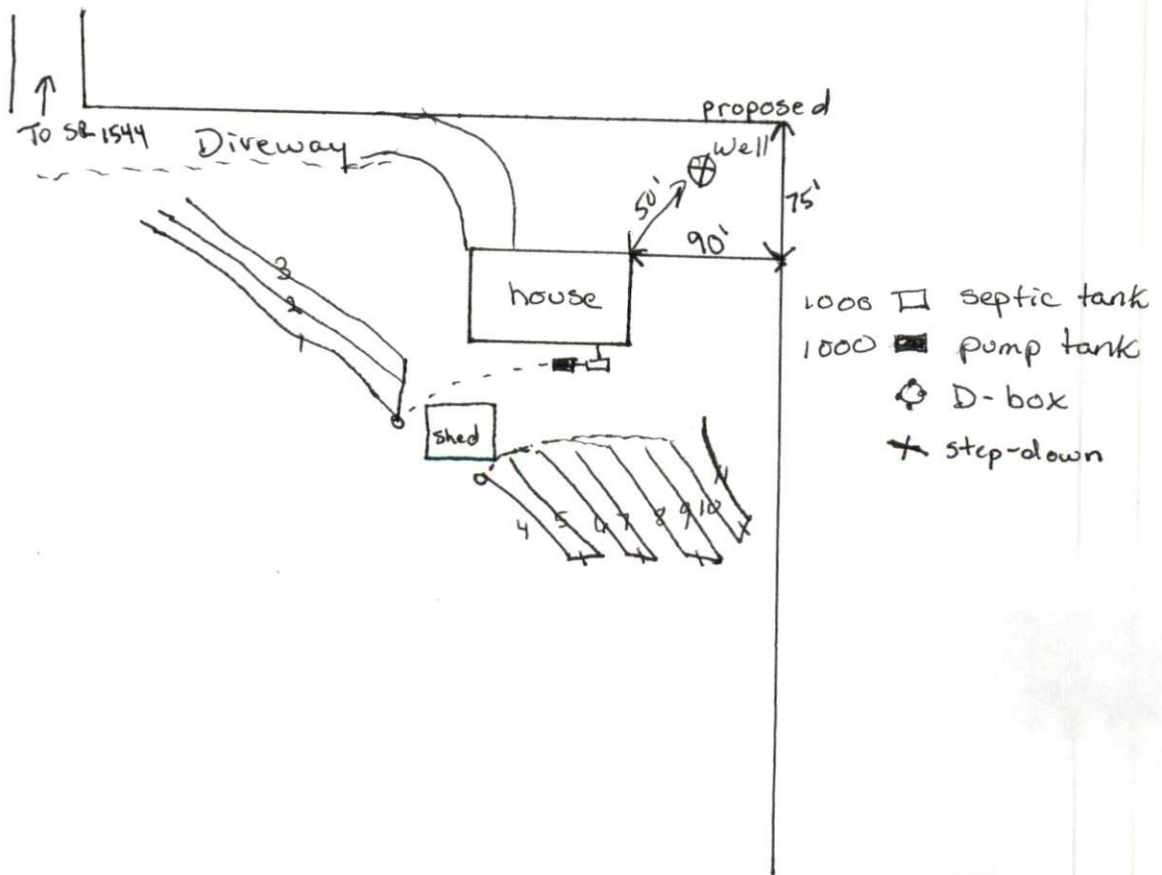
| Line No. | Line color | Field Length | System Length | Field Elevation | | | Relative Elevation |
|---------------|------------|--------------|---------------|-----------------|----------|----------|--------------------|
| | | | | Setup #1 | Setup #2 | Setup #3 | |
| 1 | Y (H.V.) | 133 | | | | | |
| 2 | B | 133 | | | | | |
| 3 | R | 133 | | | | | |
| 4 | | 50 | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| EIP Benchamrk | | | | | | | 100.0 |

PROPOSED SYSTEM:

Initial System
 3 X 133
 @ 12"
 LTAR 0.3
 pump conventional on contour

Repair System
 4 X 100
 @ 12"
 LTAR 0.3
 pump conventional on contour

Scale



Not to Scale