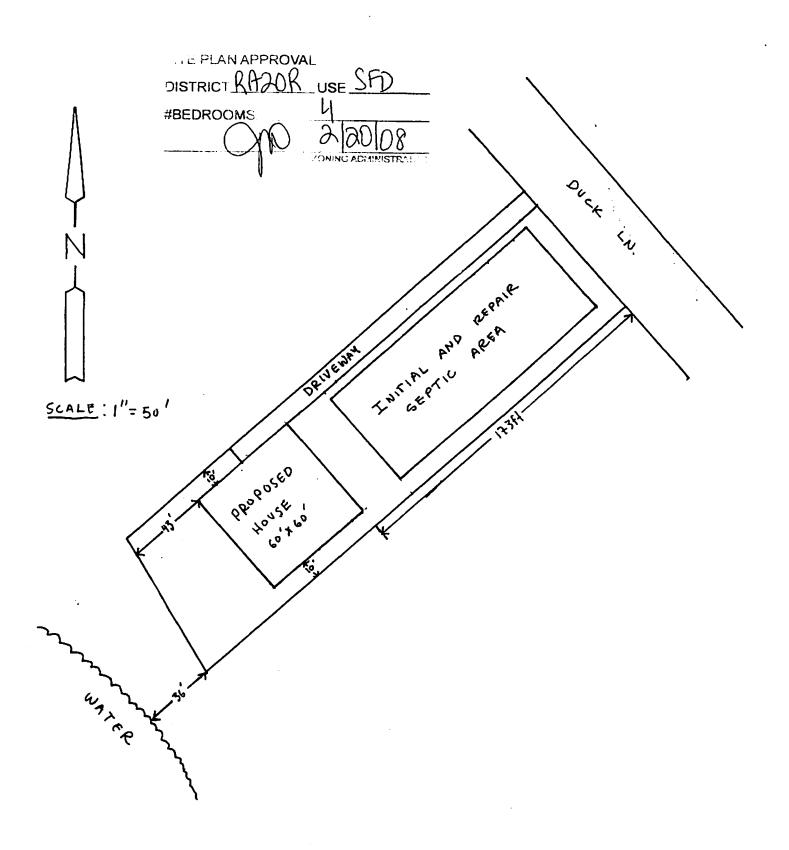
| Initial Application Date: 08500 19474  |  |  |
|--|--|--|
|  | ESIDENTIAL LAND USE APPLICATION hone: (910) 893-7525 Fax: (910) 893-2793 www.harnett.org   |  |
| LANDOWNER: Paul Fluberton + Wife   | Mailing Address: P.O. Box 133  |  |
|  | Home #: (914) 795- 4287Contact #:  |  |
| 0  | Mailing Address: Same as above   |  |
|  |  |  |
| City:State:Zip: *Please till out applicant information if different than landowner   | Home #:Contact #:  |  |
| CONTACT NAME APPLYING IN OFFICE: Hal Dwan + ASSO   | ciates Phone #: (910) 893 - 8743   |  |
| PROPERTY LOCATION: Subdivision: Buttalo Lalces   | Lot #: 421 Lot Size: 0.52 AC.  |  |
| į.   | ۸. Map Book&Page: 20 / 41  |  |
| (1) Parcel (1) 3958701 0156  |  |  |
| 511 /  | Deed Book&Page: 01980 / 0796 Power Company: Procures Energy  |  |
|  | urn off of HWY 421 in Lillington onto  |  |
|  |  |  |
|  | Buffalo Lake Rd (SR 1115). Turn off  |  |
|  | a. (SR 1178). Turn onto Duck Lane  |  |
| Lof #421   |  |  |
|  |  |  |
| ☐ Mod (Size x ) # Bedrooms # Baths Basemer         ☐ Manufactured Home: SW DW TW (Size x Duplex (Size x ) No. Buildings No. Bedrooms |  |  |
|  | Hours of Operation: #Employees   |  |
| ☐ Addition/Accessory/Other (Sizex) Use   | Closets in addition()yes ()no  |  |
|  | h () Existing Septic Tank () County Sewer  I home win five hundred feet (500') of tract listed above? ()YES ()NO  Manufactured Homes Other (specify) |  |
| Required Residential Property Line Setbacks:   |  |  |
| Front Minimum 35 Ft Actual 173 H   | <del></del>  |  |
| Rear 25 Fl 43 Fl   |  |  |
| Closest Side 10 ft 10ft  |  |  |
| Sidostroet/corner lot 20f1   |  |  |
| Nearost Building 6 ft /  |  |  |
|  |  |  |
| •  | State of North Carolina regulating such work and the specifications of plans submitte  |  |
|  | est of my knowledge. Permit subject to revocation if false information is provided.  |  |
| 791 Onem AGENT   | 2.14.08  |  |
| Signature of Owner or Owner's Agent  | Date   |  |



Prepared By: Hal Owen & Associates, Inc. Soil & Environmental Scientists P.O. Box 400, Lillington, NC 27546 Ph (910)893-8743 Fax (910)893-359

## HAL OWEN & ASSOCIATES, INC.

## SOIL & ENVIRONMENTAL SCIENTISTS

P. O. Box 400, 266 Old Coats Road Lillington, NC 27546 Phone (910) 893-8743 / Fax (910) 893-3594 E-mail: halowen@intrstar.net

17 November, 2000

Mr. Paul Hinkle 819 McCormick Road Sanford, NC 27330

Reference: Preliminary Soil Investigation Lot 421, Buffalo Lake

Dear Mr. Hinkle,

A preliminary soil investigation has been conducted for the above referenced property, located on an easement road on the East side of Buffalo Lake Road (SR 1115), Barbecue Township, Harnett County, North Carolina. The purpose of the investigation was to determine the property's ability to support subsurface sewage waste disposal systems. All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment and Disposal, 15A NCAC 18A .1900." This report represents my professional opinion as a Licensed Soil Scientist but does not guarantee or represent permit approval for this lot by the local Health Department. An improvement permit for any residence will need to be obtained from the Health Department that specifies the proposed home size and location, and the design and location of the septic system to be installed.

A portion of this lot was observed to be underlain by soils that are rated as provisionally suitable soils for subsurface sewage waste disposal (see attached map). These soils were observed to be friable sandy clay loams to greater than 36 inches and will support long term acceptance rates of 0.4 to 0.6 gal/day/sqft. It appears that the soils in this area are adequate to support conventional septic systems installed with maximum ditch bottom depths ranging from 18 to 24 inches below surface.

Two areas within the lot were observed to be underlain by soils that are rated as provisionally suitable soils for modified or alternative systems for subsurface sewage waste disposal (white flags). These type soils may require ultra shallow drainlines due to inadequate soil depth and associated soil wetness conditions. These soils were observed to be friable sandy clay loams to greater than 24 inches and will support long term acceptance rates of 0.3 to 0.4 gal/day/sqft. It appears that the soils in this area are adequate to support conventional septic systems installed with maximum ditch bottom depths ranging from 12 to 18 inches below surface.

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, and a home could be sited in this area. Subsurface drainage improvements are highly recommended to insure that shallow surface water moves away from the foundation of the home.

A significant area was located on the lot that was observed to be underlain by usable soil types. It appears that the soils on this lot are adequate to support a conventional septic system and repair area for one residence, but will likely require that the home be sited at the rear of the lot. Septic systems, which utilize pumps to conventional drainlines, appear to be required as well as locating the home on unsuitable soils at the rear of the lot. In this case, the rear of the lot may be the more desirable house siting.

I trust that this report provides the information that you require at this time. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,

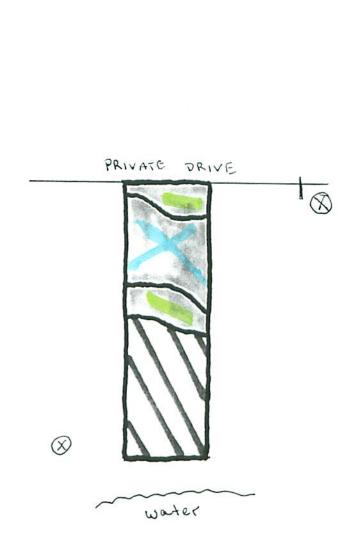
Laura J. Fortner

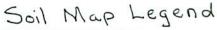
Soil Scientist In Training II

Hal Owen

Licensed Soil Scientist

Preliminary Soil Investigation For Paul Hinkle







Provisionally Suitable Soils



Provisionally Suitable Soils For Modified or Alternative Systems



Unsuitable Soils



Existing Wells

Scale: linch = 100 feet

\*This application to be filled out only when applying for a new septic system.\*

## County Health Department Application for Improvement Permit and/or Authorization to Construct

IF THE INFORMATION IN THIS APPLICATION IS FALSIFIED, CHANGED, OR THE SITE IS ALTERED, THEN THE IMPROVEMENT PERMIT OR AUTHORIZATION TO CONSTRUCT SHALL BECOME INVALID. The permit is valid for either 60 months or without expiration depending upon documentation submitted. (complete site plan = 60 months; complete plat = without expiration)

| <u>DE</u> | VELOPM  | MENT INFO       | DRMATION   |  |
|-----------|---|-----------------|--|--|
| ×         | New single family residence                     |                 |  |  |
|           | Expansion of existing system                    |                 |  |  |
| 0         | Repair to malfunctioning sewage disposal system |                 |  |  |
| Ü         | Non-resi  | dential type    | of structure   |  |
|           |   |                 |  |  |
| W/        | TER SU  | PPLY            | <del></del>  |  |
| O         | New wel   | 11              |  |  |
| 0         | Existing  | well            |  |  |
| ۵         | Commun  | nity well       | ·  |  |
| ×         | Public w  | ater            |  |  |
| ü         | Spring  |                 |  |  |
|           | -   | _               | ells, springs, or existing waterlines on this property?  |  |
| !_        | _} yes {  | _} no {\sqrt{}  | } unknown  |  |
| If:       | Accep   | ted             | ion to construct please indicate desired system type(s): can be ranked in order of preference, must choose one.  [] Innovative   |  |
|           |   |                 | {}} Other  |  |
|           |   |                 | {}} Any  |  |
|           |   |                 | y the local health department upon submittal of this application if any of the following apply to the property in s "yes", applicant must attach supporting documentation. |  |
| 1_        | ] YES   | { <b>∠</b> } NO | Does the site contain any Jurisdictional Wetlands?   |  |
| {_        | }YES  | NO              | Does the site contain any existing Wastewater Systems?   |  |
| {_        | _}YES   | NO              | Is any wastewater going to be generated on the site other than domestic sewage?  |  |
| ١.        | }YES  | NO K            | Is the site subject to approval by any other Public Agency?  |  |
| {         | _} YES  | NO              | Are there any easements or Right of Ways on this property?   |  |
| 1_        | _}YES   | MNO             | Does the site contain any existing water, cable, phone or underground electric lines?  |  |
|           |   |                 | If yes please call No Cuts at 800-632-4949 to locate the lines. This is a free service.  |  |
|           |   |                 | tion And Certify That The Information Provided Herein Is True, Complete And Correct. Authorized County And   |  |
| Sta       | te Official                                     | s Are Grant     | ed Right Of Entry To Conduct Necessary Inspections To Determine Compliance With Applicable Laws And Rules.   |  |

I Understand That I Am Solely Responsible For The Proper Identification And Labeling Of All Property Lines And Corners And Making The Site Accessible So That A Complete Site Evaluation Can Be Performed.

OR OWNERS LEGAL REPRESENTATIVE SIGNATURE (REQUIRED)

<u>02 - 20 - 08</u>

