

Initial Application Date: 5-28-13  
7-22-13

Application # 13.50031389R  
CU# \_\_\_\_\_

COUNTY OF HARNETT RESIDENTIAL LAND USE APPLICATION  
Central Permitting 108 E. Front Street, Lillington, NC 27546 Phone: (910) 893-7525 ext:2 Fax: (910) 893-2793 www.harnett.org/permits

"A RECORDED SURVEY MAP, RECORDED DEED (OR OFFER TO PURCHASE) & SITE PLAN ARE REQUIRED WHEN SUBMITTING A LAND USE APPLICATION"

LANDOWNER: LAWRENCE FLEMING Mailing Address: 986 WILBORN RD  
City: FUQUAY-VARINA State: NC Zip: 27966 Contact No: 919-2808394 Email: LF69CORVETED@AOL.COM

SCANNED

APPLICANT\*: same as above Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Contact No: \_\_\_\_\_ Email: \_\_\_\_\_

DATE

\*Please fill out applicant information if different than landowner

CONTACT NAME APPLYING IN OFFICE: LAWRENCE FLEMING Phone # 919-280-8394

PROPERTY LOCATION: Subdivision: William Bailey Lot #: 1 Lot Size: 1.06 AC  
State Road #: \_\_\_\_\_ State Road Name: Webster Rd. Map Book & Page: 2004 35  
Parcel: 08-0041-0012-01 PIN: 0041-79-0811  
Zoning: B420 Flood Zone: ✓ Watershed: 111 Deed Book & Page: 1721, 231 Power Company\*: \_\_\_\_\_

\*New structures with Progress Energy as service provider need to supply premise number \_\_\_\_\_ from Progress Energy.

PROPOSED USE:

- ☐ SFD: (Size \_\_\_\_\_ x \_\_\_\_\_) # Bedrooms: \_\_\_\_\_ # Baths: \_\_\_\_\_ Basement(w/wo bath): \_\_\_\_\_ Garage: \_\_\_\_\_ Deck: \_\_\_\_\_ Crawl Space: \_\_\_\_\_ Slab: \_\_\_\_\_ Monolithic Slab: \_\_\_\_\_  
(Is the bonus room finished? ( ) yes ( ) no w/ a closet? ( ) yes ( ) no (if yes add in with # bedrooms))
- ☐ Mod: (Size \_\_\_\_\_ x \_\_\_\_\_) # Bedrooms \_\_\_\_\_ # Baths \_\_\_\_\_ Basement (w/wo bath) \_\_\_\_\_ Garage: \_\_\_\_\_ Site Built Deck: \_\_\_\_\_ On Frame \_\_\_\_\_ Off Frame \_\_\_\_\_  
(Is the second floor finished? ( ) yes ( ) no Any other site built additions? ( ) yes ( ) no)
- ☐ Manufactured Home: \_\_\_\_\_ SW \_\_\_\_\_ DW \_\_\_\_\_ TW (Size \_\_\_\_\_ x \_\_\_\_\_) # Bedrooms: \_\_\_\_\_ Garage: \_\_\_\_\_ (site built? ) \_\_\_\_\_ Deck: \_\_\_\_\_ (site built? ) \_\_\_\_\_
- ☐ Duplex: (Size \_\_\_\_\_ x \_\_\_\_\_) No. Buildings: \_\_\_\_\_ No. Bedrooms Per Unit: \_\_\_\_\_
- ☐ Home Occupation: # Rooms: \_\_\_\_\_ Use: \_\_\_\_\_ Hours of Operation: \_\_\_\_\_ #Employees: \_\_\_\_\_
- ☒ Addition/Accessory/Other: (Size \_\_\_\_\_ x \_\_\_\_\_) Use: changing office space to additional bedroom (5) total Closets in addition? ✓ yes ( ) no

Water Supply: \_\_\_\_\_ County \_\_\_\_\_ Existing Well \_\_\_\_\_ New Well (# of dwellings using well \_\_\_\_\_) \*Must have operable water before final

Sewage Supply: \_\_\_\_\_ New Septic Tank (Complete Checklist) ✓ Existing Septic Tank (Complete Checklist) \_\_\_\_\_ County Sewer

Does owner of this tract of land, own land that contains a manufactured home within five hundred feet (500') of tract listed above? ( ) yes ( ) no

Does the property contain any easements whether underground or overhead ( ) yes ( ) no

Structures (existing or proposed): Single family dwellings: 1 Manufactured Homes: \_\_\_\_\_ Other (specify): \_\_\_\_\_

Required Residential Property Line Setbacks:

	Minimum	Actual
Front	<u>7</u>	<u>7</u>
Rear	<u>7</u>	<u>7</u>
Closest Side	<u>7</u>	<u>7</u>
Sidestreet/corner lot	<u>7</u>	<u>7</u>
Nearest Building on same lot	<u>7</u>	<u>7</u>

Residential Land Use Application

Comments:

including 7-22-13 Hal Owens came into office  
converting space into 4 bdr only  
converting all office space  
back to a bedroom.  
Giving from 4 bdr only  
bedroom

4 Bdr Only  
Per Hal

803900291  
SPECIFIC DIRECTIONS TO THE PROPERTY FROM LILLINGTON:

RD TL GO TO LAST HOUSE ON THE  
RIGHT

If permits are granted I agree to conform to all ordinances and laws of the State of North Carolina regulating such work and the specifications of plans submitted. I hereby state that foregoing statements are accurate and correct to the best of my knowledge. Permit subject to revocation if false information is provided.

  
Signature of Owner or Owner's Agent

5/28/13  
Date

\*\*\*It is the owner/applicants responsibility to provide the county with any applicable information about the subject property, including but not limited to: boundary information, house location, underground or overhead easements, etc. The county or its employees are not responsible for any incorrect or missing information that is contained within these applications.\*\*\*

\*\*This application expires 6 months from the initial date if permits have not been issued\*\*

NAME: LAWRENCE FLEMING

APPLICATION #: 13-50031389

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

**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)

910-893-7525 option 1

option 2

CONFIRMATION # \_\_\_\_\_

**Environmental Health New Septic System** Code 800

- **All property irons must be made visible.** Place "pink property flags" on each corner iron of lot. All property lines must be clearly flagged approximately every 50 feet between corners.
- Place "orange house corner flags" at each corner of the proposed structure. Also flag driveways, garages, decks, out buildings, swimming pools, etc. Place flags per site plan developed at/for Central Permitting.
- Place orange Environmental Health card in location that is easily viewed from road to assist in locating property.
- If property is thickly wooded, Environmental Health requires that you clean out the undergrowth to allow the soil evaluation to be performed. Inspectors should be able to walk freely around site. **Do not grade property.**
- **All lots to be addressed within 10 business days after confirmation. \$25.00 return trip fee may be incurred for failure to uncover outlet lid, mark house corners and property lines, etc. once lot confirmed ready.**
- After preparing proposed site call the voice permitting system at 910-893-7525 option 1 to schedule and use code **800** (after selecting notification permit if multiple permits exist) for Environmental Health inspection. Please note confirmation number given at end of recording for proof of request.
- Use Click2Gov or IVR to verify results. Once approved, proceed to Central Permitting for permits.

**Environmental Health Existing Tank Inspections** Code 800

- Follow above instructions for placing flags and card on property.
- Prepare for inspection by removing soil over **outlet end** of tank as diagram indicates, and lift lid straight up (if possible) and then **put lid back in place.** (Unless inspection is for a septic tank in a mobile home park)
- **DO NOT LEAVE LIDS OFF OF SEPTIC TANK**
- After uncovering **outlet end** call the voice permitting system at 910-893-7525 option 1 & select notification permit if multiple permits, then use code **800** for Environmental Health inspection. Please note confirmation number given at end of recording for proof of request.
- Use Click2Gov or IVR to hear results. Once approved, proceed to Central Permitting for remaining permits.

**SEPTIC**

If applying for authorization to construct please indicate desired system type(s): can be ranked in order of preference, must choose one.

{ } Accepted      { } Innovative      { } Conventional      { } Any  
{ } Alternative      { } Other \_\_\_\_\_

The applicant shall notify the local health department upon submittal of this application if any of the following apply to the property in question. If the answer is "yes", applicant **MUST ATTACH SUPPORTING DOCUMENTATION**:

- { } YES    { } NO    Does the site contain any Jurisdictional Wetlands?
- { } YES    { } NO    Do you plan to have an irrigation system now or in the future?
- { } YES    { } NO    Does or will the building contain any drains? Please explain. \_\_\_\_\_
- { } YES    { } NO    Are there any existing wells, springs, waterlines or Wastewater Systems on this property?
- { } YES    { } NO    Is any wastewater going to be generated on the site other than domestic sewage?
- { } YES    { } NO    Is the site subject to approval by any other Public Agency?
- { } YES    { } NO    Are there any Easements or Right of Ways on this property?
- { } YES    { } NO    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.

**I Have Read This Application And Certify That The Information Provided Herein Is True, Complete And Correct. Authorized County And State Officials Are Granted 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.**

PROPERTY OWNERS OR OWNERS LEGAL REPRESENTATIVE SIGNATURE (REQUIRED)

DATE

# HAL OWEN & ASSOCIATES, INC.

## SOIL & ENVIRONMENTAL SCIENTISTS

P.O. Box 400, Lillington NC 27546-0400

Phone (910) 893-8743 / Fax (910) 893-3594

[www.halowensoil.com](http://www.halowensoil.com)

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22 July 2013

Ms. Debra Fedrick

~~dgedrick@htwnc.com~~

~~dfedrick@hpwnc.com~~

Reference: Existing Septic System Investigation and Proposed Expansion  
Lawrence Fleming Property

Dear Ms Fedrick,

A site investigation was conducted on 22 July 2013 for the above referenced property, which is located at 986 Wilburn Road (SR 1432) in Harnett County, North Carolina. There is an existing home on the lot with an existing septic system rated for 360 gallons per day (a three-bedroom home). The purpose of the investigation was to determine the ability of this lot to support a subsurface sewage waste disposal system and 100 % repair area for a four-bedroom home. Public water supplies are utilized at this property. This report represents my professional opinion but does not guarantee or represent permit approval for any lot by the local Health Department. The permit you receive from the Health Department may contain some modifications or amendments to our submitted design. Please carefully review your permit and adhere to all prescribed requirements.

The property has an existing residence with an existing septic system that appeared to be functioning properly on the day of the investigation. This existing septic system appeared to be located within any setback requirements for this property. According to the Operation Permit issued by the Harnett County Department of Public Health, the system was installed on the left side of the home with a 1000 gallon septic tank dispersing effluent from a distribution box into two equal length ditches, which appear to be 150 feet long each. The permit states that a 25% reduction system (EZ Flow) was installed, but no reduction in drainline length was taken.

A soil investigation was conducted and this lot was observed to be underlain by soils that are rated as provisionally suitable soils for subsurface sewage waste disposal. These provisionally suitable soils were observed to be friable sandy clay loams to greater than 36 inches and will support a long term acceptance rate of 0.4 gal/day/sqft.

It appears that the initial septic system can be utilized without modified to support the daily flow from a four-bedroom home. The existing 1000 gallon septic tank is adequate to handle a daily flow 480 gallons per day. In addition, the existing EZ Flow drainlines are of adequate length if the reduction is applied ( $480 \text{ gallons per day flow} \div 0.4 \text{ gal/day/sqft} \div 4 \text{ ft effective area} = 300 \text{ linear feet}$ ).

The repair septic system is proposed as serial distribution to 335 feet of 25% reduction type drainlines utilizing a long term acceptance rate of 0.4 gal/day/sqft. Trenches should be installed off contour with 18 to 24 inch trench depths. Potential septic system drainlines have been demonstrated with various colored pin flags that are located on the lot.

The reduction in drainline length for the initial and repair septic systems is being utilized to allow space for the homeowner to possibly add a detached garage and above ground swimming pool. The attached septic system layout shows the area reserved for the proposed repair system and the remaining area available for amenities.

It is recommended that care be taken to preserve the life of your septic system. The septic tank, pump tank, and distribution boxes should be kept accessible for pumping and adjustment. Your septic system should be inspected periodically and the septic tank pumped out every 2 to 5 years by a professional contractor. Practicing water conservation in the home, such as promptly repairing leaky fixtures and running washing machines and dishwashers only when full, will help to avoid overloading the septic system. Also, disposal of oils, fats, and grease into the septic system should be avoided because they could clog drainlines and conveyance pipes. A list of other useful suggestions is attached for your use.

This report and the attached septic system design information will need to be submitted to the County Health Department for review and the permitting process. I appreciate the opportunity to provide this service and hope to be allowed to assist you again in the future. If you have any questions or need additional information, please contact me at your convenience.

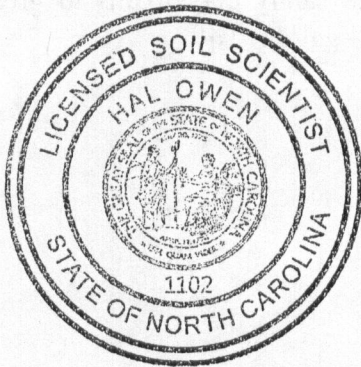
Sincerely,

*Krissina Newcomb*

Krissina Newcomb  
Project Environmental Scientist

*Hal Owen*

Hal Owen  
Licensed Soil Scientist  
Senior Environmental Scientist



## SEPTIC SYSTEM LAYOUT DESIGN

Site Address: 986 Wilburn Road

PID: 080641 0012 01

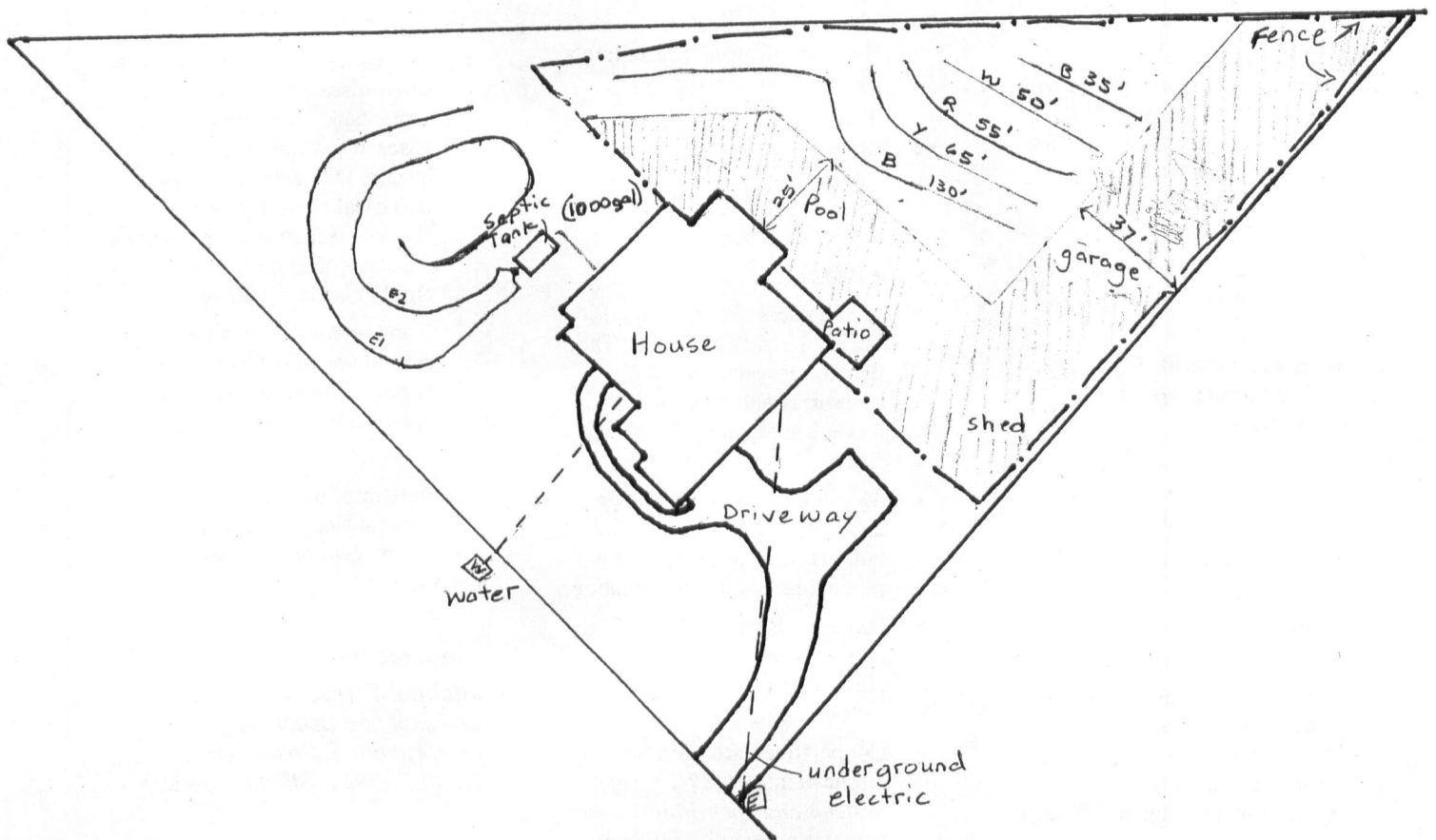
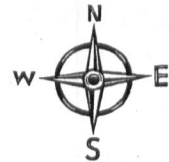
Subdivision: Bailey Subdivision

Lot #: 1

# Bedrooms: 5

Daily Flow: 600

Scale 1 inch = 50 feet



## Day-to-Day Management

### ***Don't use too much water.***

- ◆ The drainfield does not have unlimited capacity.
- ◆ Typical daily water use is 50 gallons per person.
- ◆ The soil drainfield usually has a maximum daily design capacity of 120 gallons per bedroom, even for short periods of time.
- ◆ Overloads can occur seasonally, daily, or on the weekend.
- ◆ Water conservation will extend the life of your system.
- ◆ Repair dripping faucets and toilets.

### ***Limit disposal to sewage.***

- ◆ Don't use your septic tank as a trash can for cigarette butts, tissues, sanitary napkins, cotton swabs, cat box litter, coffee grounds, or disposable diapers.
- ◆ Restrict the use of your garbage disposal. These add quite a lot of extra solids.
- ◆ Don't pour grease or cooking oil down the drain.
- ◆ Don't poison your system with harmful chemicals such as solvents, oils, paints, thinners, discarded medications, disinfectants, pesticides, poisons, and other substances.
- ◆ Save money. Commercial septic tank additives are usually not necessary.

### ***Protect the system from physical damage (site maintenance).***

- ◆ Keep the soil over the drainfield covered with vegetation to prevent soil erosion.
- ◆ Don't drive vehicles over the system.
- ◆ Avoid construction over the system and repair area.
- ◆ Maintain the natural shape of the land immediately downslope of the system, and protect this area from excavation (cutting and filling).

- ◆ Don't cover the tank or drainfield with asphalt or concrete.

### ***Dispose of all wastewater in an approved system.***

- ◆ Don't put in a separate pipe to carry wash waters to a side ditch or the woods. This is illegal.

## Periodic Maintenance and Repair

### ***Home and yard (site maintenance):***

- ◆ Protect and maintain the site of your septic tank and drainfield.
- ◆ Cut down and remove trees that like wet conditions. This includes willows, elms, sweetgums, and some maples.
- ◆ Landscape the yard to divert surface waters away from the tank and drainfield.
- ◆ Be sure that the water from the roof, gutters, and foundation drains does not flow over the system.
- ◆ If your system is at the base of a slope, then consider installing a french drain to divert underground waters.
- ◆ Maintain drainage ditches, subsurface tiles, and drainage outlets so that water can flow freely from them.

### ***Septic tank:***

- ◆ Install risers over the tank if it is buried 6 inches or deeper. They provide easy access for measuring and pumping solids as well as cleaning the effluent filter.
- ◆ Measure how quickly sludge and scum accumulate in the tank. Have your professional pumper record this information.
- ◆ Have solids pumped out of the tank as needed. Most septic tanks have two compartments; get both pumped.
- ◆ Cooperative Extension Service publication *AG-439-13, Septic Systems and Their Maintenance*, contains more information on pumping frequency.

- ◆ Don't wait until your drainfield fails to have your tank pumped. By then, the drainfield may be ruined. With septic systems, an ounce of prevention is worth a ton of cure!

### ***Regulations and precautions:***

- ◆ Hire a state-certified subsurface system operator for any system with a pump. One will be required by law for low pressure pipe (LPP) systems installed or repaired after July 1, 1992, any subsurface drip irrigation systems, aerobic treatment units (ATUs), peat biofilters, sand biofilters, textile biofilters, and other complex systems.
- ◆ A list of state-certified subsurface system operators can be obtained from the N.C. Water Pollution Control System Certification Commission at (919) 733-0026.
- ◆ Be sure the pump and electrical components continue working properly between scheduled maintenance visits.
- ◆ Sewage contains germs that can cause diseases. Never enter a septic tank. Toxic and explosive gases in the tank present a hazard. Old tanks may collapse. Electrical controls present a shock and spark hazard. Secure the septic tank lid so that children cannot open it.
- ◆ Don't attempt to repair a failing system yourself. Get a repair permit and hire an experienced contractor.

For more information about septic systems, contact your county Extension agent or local health department.

### ***Prepared by***

***Michael T. Hoover***, Extension Soil Science Specialist,  
Department of Soil Science,  
North Carolina State University