IREDELL COUNTY HEALTH DEPARTMENT

Application For Improvement Permit and/or Authorization To Construct, Existing System Inspection

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

1. APPLICATION FOR: (✓) Improvement Permit ( ) Authorization To Construct ( ) BOTH ( ) Existing System Inspection

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application
The following optional attachments may also be submitted: ( ) Survey Plat, Scaled no more than 1 Inch = 60 Feet
Place check ( ) beside whichever is submitted if applicable ( ) Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. Applicant Information:

Applicant Name	Mailing Address	Home Phone	Work Phone
Cathy Peacock	8044 Southway Rd Charlotte, NC 28215	(704) 201-1326 cell	(704) 537-5748
Owner Name	Mailing Address	Home Phone	Work Phone
Cathy Peacock			

4. Property Information:

Street Address	Subdivision Name	Section/Phase and Lot Number
1164 Hogan Ln	—	Lot 142

Driving Directions: Hwy 150 W. Turn left onto Paradise Peninsula Rd, turn left on Greenbay Rd & a Rt on Hogan Ln.

5. RESIDENTIAL Site Development Information: *(Check or Complete ALL that apply)*

(✓) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
( ) Repair To Failing Septic System

Maximum Number of Bedrooms 3
Maximum Number of Occupants 6
If Expansion, Current Number of Bedrooms ____

( ) Crawl Space Foundation?
( ) Concrete Slab Foundation?
(✓) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non- Residential Site Development:
Type of Business _____
Square Footage of Building _____
Maximum Number of Employees _____
Maximum Number of Seats _____

6. Proposed Water Supply:

( ) New Well (✓) Existing Well (✓) Community Well ( ) City Water ( ) Other Public Water

7. Desired Septic System Type: *(You may rank in order of preference, if any)*

( ) Alternative ( ) Conventional (✓) Innovative ( ) Modified Conventional ( ) Other_____ ( ) No Preference

8. Please Answer The Following To The Best of Your Ability:

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

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.

9. Signature: Sharon D. Wallace
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

7-30-07
DATE

IREDELL COUNTY HEATLH DEPARTMENT

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE SAMPLE SITE PLAN BELOW. INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!

Place an (X) beside each item as you complete the site plan:

____ **Property Line measurements are clearly identified...**
____ **All proposed structures are indicated...**
SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site
____ **Front and side setbacks from property line...**
____ **Preferred driveway location and configuration, preferred well location...**
____ **Area you prefer your septic system to be placed...**
____ **North arrow, or other sufficient indicator of direction...**

Circle N/A on the following if appropriate:

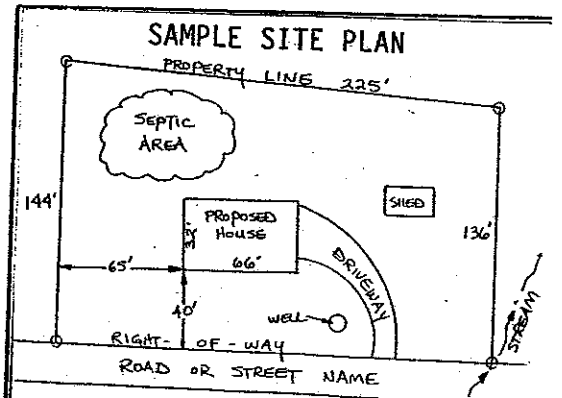
____ **Location of septic systems and wells within 100' of your property...** **N/A**
____ **Location of easements and rights of ways on your property...** **N/A**
____ **Location of any designated wetlands on the property...** **N/A**

Signature: Sharon D. Wallace
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

7-30-07
DATE

USE THIS SPACE TO DRAW YOUR SITE PLAN

See Attached



S&ME

August 23, 2007

Ms. Maria Dotson, R.S.
Iredell County Health Department
Mooresville, NC 28115

Attention: Ms. Dotson

Reference: **Proposed LP PPBPS Initial System and Pretreatment Repair System for Cathy Peacock, Lot 142, Off Hogan Lane**
S&ME, Inc. Project No. 1588-07-046

Dear Ms. Dotson:

S&ME, Inc (S&ME) reviewed the soils and proposed septic system layout for Cathy Peacock's lot off Hogan Lane with you on August 14, 2007. The lot has an existing singlewide mobile home located on it currently, which is served with a bed septic system and a well. Ms. Peacock has gone before the Iredell County planning board and has been granted a variance on the front building setback on the 0.58 acre lot. This variance allows her home to be as close as 12.8 ft. to the front of the lot (where the existing home is located currently). She plans on building a new three (3) bedroom home on the lot as shown on the attached site plan. This new home will cover the existing septic tank and a portion of the bed system. She will need a new three bedroom septic system and repair area to serve the new home. She is planning on using the existing well.

The soils on the lot were described as provisionally suitable to depths of approximately 60 inches at a 0.35 gpd/ft² LTAR. The proposed initial system is a LP PPBPS to be installed using 36 inch trench bottom depth. There is a road culvert that will have to be diverted down the side property line as shown on the site plan. The proposed repair was a LP PPBPS using TS-II pretreatment. After receiving Trish Angoli's (NC DENR Environmental Engineer) interpretation of the .1970 rules concerning our proposed pretreatment PPBPS repair we have revised the site plan.

We are now proposing that the repair system be a shallow placed drip system utilizing TS-II pretreatment. This allows a setback of 30 feet to the 760 ft. full pond elevation on Lake Norman. We are proposing an LTAR of 0.15 gpd/ft² to be used for the drip repair area design. Using this design LTAR requires a minimum drip field area of 2,400 ft². We

have set aside approximately 3,300 ft² of the lot to be designated as repair area (see site plan). The proposed trench bottom depth for the drip lines is 8 inches.

Thanks for your time in reviewing this proposal. Please call if you have any questions concerning this proposal.

Sincerely,

S&ME, Inc.

Paul Penninger, L.S.S.
Senior Soil Scientist

Patrick Mitchell, R.S., L.S.S.-IT
Soil Scientist

Copy: Cathy Peacock

Attachments

1. Site Plan
2. Soil Descriptions
3. .1970 Rules

S&ME, INC. / 385 Timber Road, Suite 104 / Mooresville, NC 28115-7899 / p 704.662.8625 f 704.662.8735 / www.smeinc.com