

PERMIT # NA

Operation Permit

521412

New Installation  Septic Tank  Nitrification Line  Repair  Expansion

PROPERTY LOCATION: 99 Rawls Meadows Ln (Christie Ct. Rd)

Name: (owner) KB Homes Carolinas SUBDIVISION Masona Pointe LOT # 62

System Installer: Thorntons Plumbing Registration # \_\_\_\_\_

Basement with plumbing:  Garage  Number of Bedrooms 4

Type of Water Supply:  Community  Public  Well Distance from well NA feet

System Type: 25% Reduction Sp. IIIg Types V and VI Systems expire in 5 years.

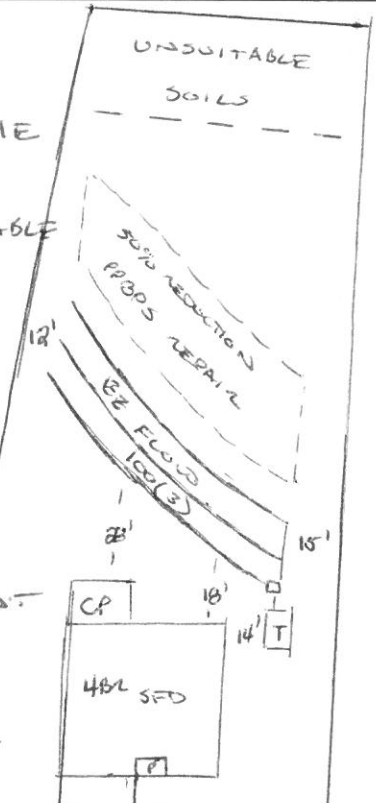
(In accordance with Table V a)

Owner must contact Health Department 6 months prior to expiration for permit renewal.

This system has been installed in compliance with applicable North Carolina General Statutes, Rules for Sewage Treatment and Disposal, and all conditions of the Improvement Permit and Construction Authorization.

\* SESSIONS LAW 2014-120  
SECTION 53: NEITHER THE STATE NOR ANY LOCAL HEALTH DEPT SHALL BE LIABLE FOR ANY DAMAGES CAUSED BY A SYSTEM APPROVED OR PERMITTED PURSUANT TO THIS SECTION [DUE TO FLOW REDUCTION]

\* SPECIFIED LOWER FLOW FIXTURES, LOW-FLOW TECHNOLOGIES, OR REPLACEMENT WITH EQUAL OR LESS FLOW RATES ARE TO REMAIN IN USE FOR THE LIFE OF THE SEPTIC SYSTEM



CONSISTENT PROPOSAL BY CENTRAL CAROLINA SOIL CONSULTING

PERMIT CONDITIONS:

- I. Performance: System shall perform in accordance with Rule .1961.
- II. Monitoring: As required by Rule .1961.
- III. Maintenance: As required by Rule .1961. Other: RAWLS MEADOWS LN.  
Subsurface system operator required? Yes  No   
If yes, see attached sheet for additional operation conditions, maintenance and reporting.
- IV. Operation: \_\_\_\_\_
- V. Other: \_\_\_\_\_

D-Box  Pump  Alarm  H2O Line  PWR Line

Following are the specifications for the sewage disposal system on the above captioned property.

Type of system:  Conventional  Other EZ FLOW IIIg Septic Tank: 1250 gallons Pump Tank: \_\_\_\_\_ gallons  
Subsurface Drainage Field No. of ditches 3 exact length of each ditch 100 feet width of ditches 3 feet depth of ditches 24 inches  
French Drain Required: \_\_\_\_\_ Linear feet

Authorized State Agent [Signature] Date 10/28/2019



## Central Carolina Soil Consulting, PLLC

1900 South Main Street, Suite 110  
Wake Forest, NC 27587  
919-569-6704/fax 919-569-6703

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October 24, 2019

Andrew Currin  
Harnett County Environmental Health Department  
307 W Cornelius Harnett Blvd  
Lillington, NC 27546

**RE: Wastewater Daily Flow Calculation Certification**

Mason Point Lot 62 – 99 Rawls Meadow Lane  
Fuquay-Varina, Harnett County, North Carolina  
Project #: 2031

Mr. Currin:

Central Carolina Soil Consulting (CCSC) in conjunction with Bateman Civil Survey Company have reviewed plumbing receipt from Thornton's Plumbing Inc. Based on our review of the fixtures listed, all fixtures were installed as proposed except for the master shower, it changed from a Moen T182ep 1.75 gpm to a Moen L2352 with a 2.5gpm flow rate and the Kitchen sink faucet changed from a Moen 7430 1.5gpm to a 7864srs 1.5gpm. The overall flow reduction changed from 39% to 37%. We have attached a revised fixture spreadsheet and specifications for the new fixtures listed above.

With respect to increased effluent strength, we do not believe that the effluent strength will increase with the addition of a bedroom. The fixtures that are currently installed in the home are standard low flow fixtures that are installed in all of the homes built by KB Homes. These fixtures are used in houses all over the country and have been used for several decades. The additional bedroom will increase the volume of effluent, but will not change the strength of the effluent and should be consistent with levels required for residential waste in 15A NCAC 18A .1970 b, table 8.

We have reviewed the design and installation of the system located at 99 Rawls Meadow Lane and are satisfied that the tanks and drainfield are installed per the permit and are capable of handling the additional bedroom without modification.

Attached is a revised flow reduction packet with specification sheets for the new fixtures and updated calculations. If the home owner wants to increase the flow rate of any fixture they will need to get approval from Harnett County Environmental Health and the designing Engineer.

Should you have any questions or comments please contact Matt Burdette at 919-422-2827 or Tom Speight with Bateman Civil Survey Company – 2524 Reliance Ave. Apex NC 27539 – (919) 577-1080

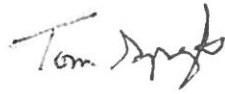
Sincerely,

CENTRAL CAROLINA SOIL CONSULTING PLLC



Matt Burdette  
Environmental Specialist

BATEMAN CIVIL SURVEY COMPANY



Tom Speight, P.E.  
(seal)



Attachments