



**IMPROVEMENT PERMIT (IP)**

New  Expansion  Repair  System Relocation  Change of Use  
Owner: Smith Douglas Homes Applicant: Smith Douglas Homes  
Property Location: 121 Smith Farms Dr (NC HWY 27W) PIN/Lot Identifier: 0528-11-7747  
Subdivision: Reedy Branch Lot #: 6 Block: \_\_\_\_\_ Section: \_\_\_\_\_  
Facility Type: 48'x60' SFD Number of bedrooms: 3 Number of Occupants: 6 Other: \_\_\_\_\_  
Design Daily Flow: 360 GPD LTAR (Initial): .4 gpd/ft<sup>2</sup> LTAR (Repair): .4 gpd/ft<sup>2</sup>  
Wastewater System Type: 25% reduction (Initial)  
Pump Required:  Yes  No  May be required Usable Depth to Limiting Condition (Initial): 28  
Wastewater System Type 25% reduction (Repair)  
Pump Required:  Yes  No  May be required Usable Depth to Limiting Condition (Repair): 28  
Effluent Standard:  DSE  HSE  Other: \_\_\_\_\_ Type of Water Supply:  Private well  Municipal Supply  Other: \_\_\_\_\_

Permit conditions:

The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. *This permit is subject to revocation if the site plan, plat, or the intended use changes.* The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of 15A NCAC 18E and to the conditions of this permit.

Authorized Agent's Printed Name: Mark Osborne REHS Date: 11/18/2025

Authorized Agent's Signature: Mark Osborne REHS Expiration Date: 11/18/2030

**CONSTRUCTION AUTHORIZATION (CA)**

New  Expansion  Repair  System Relocation  Change of Use  
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Property Location: 121 Smith Farms Dr (NC HWY 27W) PIN/Lot Identifier: 0528-11-7747  
Subdivision: Reedy Branch Lot #: 6 Block: \_\_\_\_\_ Section: \_\_\_\_\_  
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Design Daily Flow: 360 GPD LTAR: .4 gpd/ft<sup>2</sup>  
Effluent Standard:  DSE  HSE  Other: \_\_\_\_\_ Type of Water Supply:  Private well  Municipal Supply  Other: \_\_\_\_\_

**Installation Requirements/Conditions**

Wastewater System Type: 25% reduction Pump Required:  Yes  No  May be required  
Septic Tank Size: 1000 gallons Total Trench Length: 225 feet Trench Spacing: 9 feet on center  
Pump Tank Size: 1000 gallons Maximum Trench Depth: 16 inches Soil Cover: 6 inches  
Trench Width: 36 inches Distribution Method:  Serial  D-Box or Parallel  Pressure Manifold  Other: \_\_\_\_\_  
Artificial Drainage Required: Yes  No  If yes, please specify details: \_\_\_\_\_  
Management Entity Required:  Yes  No Minimum O&M Requirements: \_\_\_\_\_

Permit conditions:

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. *This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes.* The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.

Authorized Agent's Printed Name: Mark Osborne REHS Date: 11/18/25

Authorized Agent's Signature: Mark Osborne REHS Expiration Date: 11/18/2030

Owner/Legal Representative Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\*See attached site sketch

## ***Harnett County Environmental Health***

PIN 0528-11-7747

## SITE SKETCH

SFD2510-0126

Smith Douglas Homes

## Reedy Branch 6

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**Applicant's Name**

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Subdivision/Section/Lot Number

Mark Osborne REHS

11/18/2025

System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to ensure that the proper grade is maintained.

Scale = NTS

