

October 31st, 2024

JM Decks and Fences
1143 C Executive Circle #104
Cary, NC 27511

RE: Existing Tank Application #BRES2410-0047

To whom it may concern

An attempt was made to evaluate the above property for issuing an existing tank permit. The evaluation could not be completed for one or more of the following reasons.

1. Uncover outlet lid on septic tank fully and break seal. (\$25.00 fee incurred).

2. Have system pumped out

3. Need site plan

4. Other – The new additions must be marked/demonstrated. Must have a septic contractor to locate and demonstrate the septic drain field from start to finish. The property survey corners must be uncovered/demonstrated. The property lines must be flagged/demonstrated every 50' between irons (back line and right side line if you are standing on the street). You must contact the Licensed Soil Scientist that wrote the permit to review. Attached with this letter is a copy of the LSS Permit. The addition seems to be into the septic repair area and too close or if not on top of the existing drain field.

Your application will be put on hold until the selected items above have been addressed. When completed **call 893-7525 to confirm** that the items mentioned have been corrected we will then reschedule your property for evaluation.

Sincerely,



Reynold Levocz, R.E.H.S.
Environmental Health Specialist
Harnett County Department of Public Health

RL/kh
Copy - Central Permitting

Permit #: SFD 2306051



NC DEPARTMENT OF HEALTH AND HUMAN SERVICES

ROY COOPER • Governor
KODY H. KINSLEY • Secretary
MARK BENTON • Deputy Secretary for Health
SUSAN KANSAGRA • Assistant Secretary for Public Health
Division of Public Health

Submittal Includes: (a2) Improvement Permit (a2) Construction Authorization Fee \$ _____

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)

County: Harnett

PIN/Lot Identifier: 0643-36-2859

Issued To: Ken Harvey Homes

Property Location: 288 Deer Tail Lane, Fuquay-Varina, NC 27526

Subdivision (if applicable) Cotton Farms Lot #: 34 Block: _____ Section: _____

LSS Report Provided: Yes No

If yes, name and license number of LSS: Jason Hall, NC LSS #1248

New Expansion System Relocation Change of Use

Proposed Structure: Single Family, 4-Bedroom

Number of bedrooms: 4 Number of Occupants: ≤8 Other: _____

Design Wastewater Strength: domestic high strength industrial process

Proposed Design Daily Flow: 360 GPD Proposed LTAR (Initial): 0.3 Proposed LTAR (Repair): 0.3

Proposed Wastewater System Type*: IIIB, Pressure Manifold (accepted) (Initial) Pump Required: Yes No May be required

Proposed Wastewater System Type*: IIIB, Pressure Manifold (PPBPS) (Repair) Pump Required: Yes No May be required

**Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)*

Saprolite System (Initial): Yes No Saprolite System (repair): Yes No

Fill System (Initial): Yes No If yes, specify: New Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Fill System (repair): Yes No If yes, specify: New Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Usable Soil Depth (Initial): 36" Usable Soil Depth (Repair): 36"

Max. Trench Depth (Initial)*: 20" Max. Trench Depth (Repair)*: 20" ** Measured on the downhill side of the trench*

Artificial Drainage Required: Yes No If yes, please specify details: _____

Type of Water Supply: Private well Public well Shared well Municipal Supply Spring Other: _____

Drainfield location meets requirements of Rule .1945: Yes No Drainfield location meets requirements of Rule .1950: Yes No

Permit valid for: Five years [site plan submitted pursuant to GS 130A-334(13a)] No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

Licensed Soil Scientist Print Name: Jason Hall
Licensed Soil Scientist Signature: [Signature] Date: 07/12/2023

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

See attached site sketch

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF PUBLIC HEALTH

LOCATION: 5605 Six Forks Road, Building 3, Raleigh, NC 27609
MAILING ADDRESS: 1632 Mail Service Center, Raleigh, NC 27609-1632
www.ncdhhs.gov • TEL: 919-707-8854 • FAX: 919-845-3972

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER





Permit #: SFD 2306 a5

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)

County: Harnett
PIN/Lot Identifier: 0643-36-2859
Issued To: Ken Harvey Homes
Property Location: 288 Deer Tail Lane, Fuquay-Varina, NC 27526 (Cotton Farms, Lot 34)
AOWE/PE Plans/Evaluations Provided: Yes No If yes, name and license number of AOWE/PE: Jason Hall, AOWE #10004E
Facility Type: Single Family, 4-Bedroom

New Expansion Repair System Relocation Change of Use
Basement? Yes No Basement Fixtures? Yes No
Type of Wastewater System* IIIB, Pressure Manifold (accepted) (Initial) IIIB, Pressure Manifold (PPBPS) (Repair)

*Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)
Design Daily Flow: 360 GPD Wastewater Strength: domestic high strength industrial process
Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? Yes No
(if yes, please provide engineering documentation)

Installation Requirements/Conditions

Septic Tank Size: 1000 gallons Total Trench/Bed Length: 300 feet Trench/Bed Spacing: 9 feet on center
Trench/Bed Width: 36 inches LTAR 0.3 gpd/ft²
Additional Soil Cover: 0 inches Slope Corrected Maximum Trench/Bed Depth[†]: 20 inches * Measured on the downhill side of the trench
Aggregate Depth: N/A inches above pipe N/A inches below pipe N/A inches total
Pump Tank Size (if applicable): 1000 gallons Requires more than 1 pump? Yes No
Pump Requirements: 11.02 ft. TDH vs. 19.7 GPM Grease Trap Size (if applicable): _____ gallons
Distribution Method: Serial D-Box or Parallel Pressure Manifold(s) LPP Other: _____
Artificial Drainage Required: Yes No If yes, please specify details: _____

Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)

Multi-party Agreement Required [.1937(h)]: Yes No
Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: Yes No
Declaration of Restrictive Covenants: Yes No
Pre-Construction Conference Required: Yes No

Conditions: _____

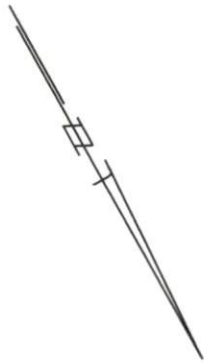
The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

AOWE/PE Print Name: Jason Hall Expiration Date: 12/31/2023
AOWE/PE Signature: [Signature] Date: 07/12/2023

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch





HOOKE DRIVE
50' PUBLIC R/W & UTILITY

24

N72°33'47"W
136.91'

98.7' #2

7 Purple 85'

6 Pink 105'

5 Blue 110'

4 Orange 80'

3 Pink 75'

2 Yellow 50'

1 Purple 30'

SETBACKS (TRP.)

33

N29°23'09"E 224.96'

- System = - - - - -
 Repair = —————
- ST** = 1000 gallon septic & pump tanks
PT
- #2 = profile description locations

34

25,895 S.F.
0.59 AC

10'x70' SIGHT TRIANGLE

DEER TAIL LANE

50' PUBLIC R/W & UTILITY

- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.
- *No adding soil within septic area
- *No rutting-up septic area
- *No cuts of >2' within 15' of septic areas

GRAPHIC SCALE
1" = 40'



System: Pressure Manifold Lines: 5-7, (300') Accepted Status System 0.3 Soil LTAR 20" Trench Bottom
Repair: Pressure Manifold Lines: 1-4, (235') T&J Panel Block System (Horizontal) 0.3 Soil LTAR 20" Trench Bottom



Central Carolina Soil Consulting, PLLC
 1900 South Main Street, Suite 110
 Wake Forest, North Carolina 27587
 Phone (919)569-6704 Fax (919)569-6703

4-Bedroom Septic Layout
 360 gal/day per Engineered Flow-Reduction
 Lot 34, Cotton Farms Subdivision
 Harnett County, North Carolina

Job#: 4609
Drawn By: JR
Date: 06/20/2023
Revision: