

# Harnett County Environmental Health

File/Permit Number: SFD2504-0008

## IMPROVEMENT PERMIT

County: Harnett

PIN/Lot Identifier: 0642-96-6291.000

Owner: KB Home

Applicant: \_\_\_\_\_

Property Location: 49 Brodhead

Subdivision (if applicable) Birchwood Grove Lot #: 150 Block: \_\_\_\_\_ Section: \_\_\_\_\_

New ☒

Expansion ☐

System Relocation ☐

Change of Use ☐

Facility Type: SFD(60'x49')

Number of bedrooms: 3 Number of Occupants: 6 Other: \_\_\_\_\_

Design Wastewater Strength: ☒ Domestic

☐ High Strength

☐ Industrial Process Wastewater

Proposed Design Daily Flow: 360 GPD

Proposed LTAR (Initial): .35

Proposed LTAR (Repair): .35

Proposed Wastewater System Type\*: Accepted (Initial) Pump Required: ☒ Yes ☐ No ☐ May be required

Proposed Wastewater System Type\*: Panel Block (Repair) Pump Required: ☒ Yes ☐ No ☐ May be required

*\*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII*

Effluent Standard: ☒ DSE ☐ HSE ☐ NSF/ANSI 40 ☐ TS-I ☐ TS-II ☐ RCW

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 Depth to LC (Initial)\*: 48 Usable Depth to LC (Repair)\*: 36 *\* Limiting Condition*

Max. Trench Depth (Initial)\*: 36 Max. Trench Depth (Repair)\*: 24 *\* 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 .0508: Yes ☒ No ☐ Drainfield location meets requirements of Rule .0601: 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:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Authorized Agent's Printed Name: Oliver Tolkdorf

Expiration Date: 4/10/30

Authorized Agent's Signature: \_\_\_\_\_

Date: 4/10/25

**\*See attached site sketch\***

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.

# Harnett County Environmental Health

File/Permit Number: SFD2504-0008

## CONSTRUCTION AUTHORIZATION

County: Harnett PIN/Lot Identifier: 0642-96-6291.000  
Owner: KB Home Applicant: \_\_\_\_\_  
Property Location: 49 Brodhead  
Facility Type: SFD (60'x49')

Number of bedrooms: 3 Number of Occupants: 6 Other: \_\_\_\_\_

☒ New ☐ Expansion ☐ Repair ☐ System Relocation ☐ Change of Use

Basement? ☐ Yes ☒ No Basement Fixtures? ☐ Yes ☐ No

Crawl Space? ☐ Yes ☐ No Slab Foundation? ☒ Yes ☐ No

Type of Wastewater System\* Accepted (Initial) Panel Block (Repair)

\*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII

Design Daily Flow: 360 GPD Wastewater Strength: ☒ Domestic ☐ High Strength ☐ Industrial Process Wastewater

Rule .0403(e) Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies (S.L. 2013-413 and 2014-120)? ☐ Yes ☒ No  
(if yes, please provide engineering documentation)

Effluent Standard: ☒ DSE ☐ HSE ☐ NSF/ANSI 40 ☐ TS-I ☐ TS-II ☐ RCW

Type of Water Supply: ☐ Private well ☐ Public well ☐ Shared well ☒ Municipal Supply ☐ Spring ☐ Other: \_\_\_\_\_

### Installation Requirements/Conditions

Septic Tank Size: 1000 gallons Total Trench/Bed Length: 370 feet Trench/Bed Spacing: 9 feet on center

Trench/Bed Width: 36 inches LTAR: .35 gpd/ft<sup>2</sup> Usable Depth to LC (Initial)\*: 48 \*Limiting condition

Soil Cover: 24 inches Slope Corrected Maximum Trench/Bed Depth\*: 36 inches \*Measured on the downhill side of the trench

Pump Tank Size (if applicable): 1000 gallons Requires more than one pump? ☐ Yes ☒ No

Pump Requirements: \_\_\_\_\_ ft. TDH vs. \_\_\_\_\_ 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 [Rule .0204(g)]: ☐ Yes ☒ No

Easement, Right-of-Way, or Encroachment Agreement Required [Rule .0204(d)]: ☐ Yes ☒ No

Declaration of Restrictive Covenants: ☐ Yes ☒ No Pre-Construction Conference Required: Yes ☐ No ☐

Management Entity Required: ☐ Yes ☒ No Minimum O&M Requirements: \_\_\_\_\_

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: Oliver Tolkendorf

Expiration Date: 4/10/30

Authorized Agent's Signature: \_\_\_\_\_

Date: 4/10/25



**\*See attached site sketch\***

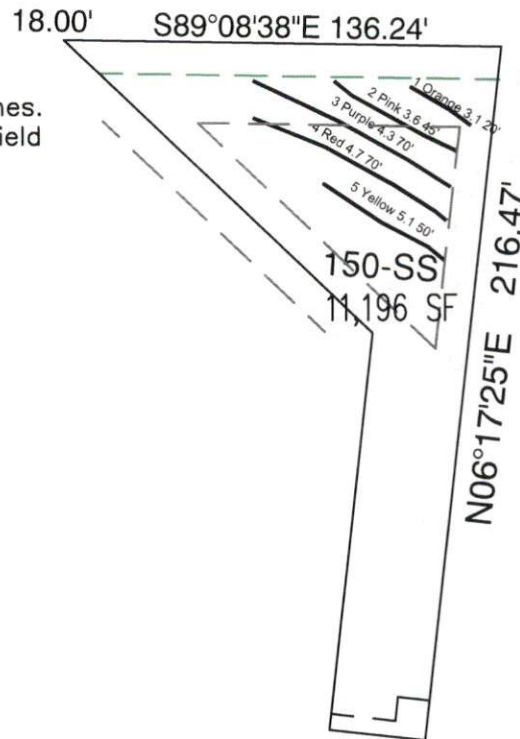


# SITE SKETCH

SFD 2504-0008

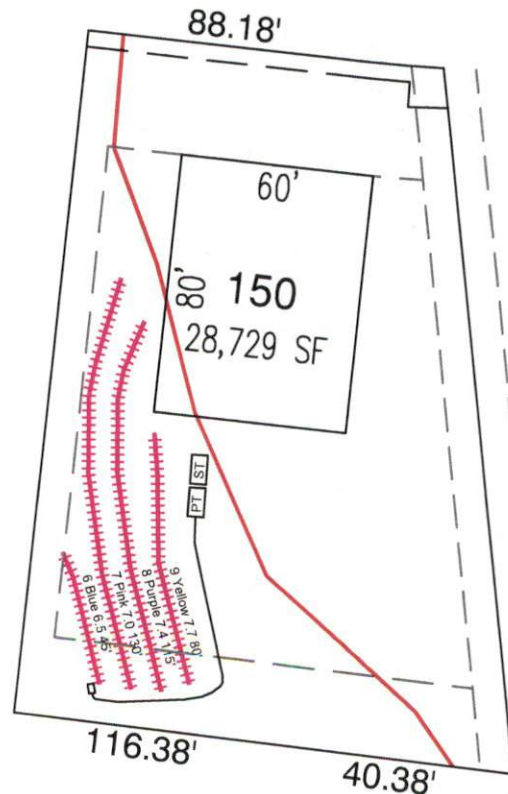
- \*Keep tanks and drain lines 10' from property lines.
- \*Not a survey.
- \*Not a guarantee of a septic permit.
- \*Keep supply lines >5' from property lines.
- \*Some lines are flagged longer in the field than lengths indicate.
- \*No grading septic area.

System:   
Repair: 



System: Pressure Manifold  
Lines: 6-9, (370')  
Ezflow or Chambers 20%  
0.35 Soil LTAR  
36" Trench Bottom

Repair: Pressure Manifold  
Lines: 1-5, (255')  
T&J Panel 50% Reduction  
0.35 Soil LTAR  
24" Trench Bottom



GRAPHIC SCALE  
1" = 60'



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  
Lot 150, Birchwood Grove Subdivision  
Harnett County, North Carolina

Job# : 3753  
Drawn By : AH  
Date : 12/31/2024  
Revision: