

Harnett County Environmental Health

File/Permit Number: SFD2410-0090

IMPROVEMENT PERMIT

County: Harnett

PIN/Lot Identifier: 0642-96-3751.000

Owner: KB Home

Applicant: _____

Property Location: 645 Thomas Gage Dr

Subdivision (if applicable) Birchwood Grove Lot #: 145 Block: _____ Section: _____

New Expansion System Relocation Change of Use

Facility Type: SFD(51'x50')

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*: T&J Panel (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)*: 36 Usable Depth to LC (Repair)*: 34 * Limiting Condition

Max. Trench Depth (Initial)*: 20 Max. Trench Depth (Repair)*: 14 * 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 Tolksdorf REHS

Expiration Date: 11/8/29

Authorized Agent's Signature: _____

Date: 11/8/24

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: SFD2410-0090

CONSTRUCTION AUTHORIZATION

County: Harnett PIN/Lot Identifier: 0642-96-3751.000
Owner: KB Home Applicant: _____
Property Location: 645 Thomas Gage
Facility Type: SFD(51'x50')

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 System (Initial) T&J Panel (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: 346 feet Trench/Bed Spacing: 9 feet on center
Trench/Bed Width: 36 inches LTAR: .35 gpd/ft² Usable Depth to LC (Initial)*: 36 ^{xLimiting condition}
Soil Cover: 8 inches Slope Corrected Maximum Trench/Bed Depth*: 20 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: _____

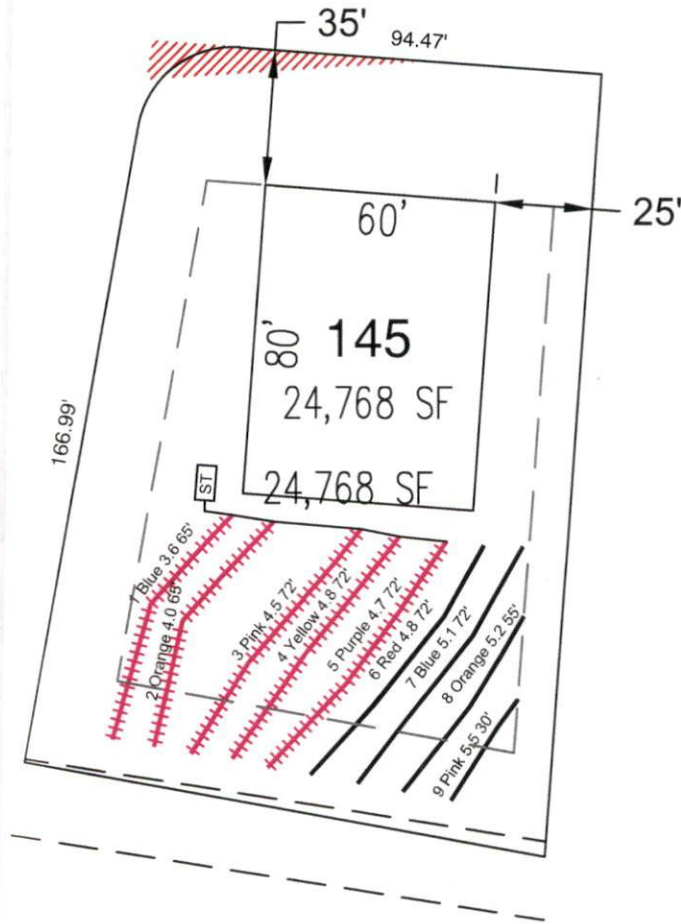
Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)



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 Tolkdorf Expiration Date: 11/8/29
Authorized Agent's Signature: _____ Date: 11/8/24

See attached site sketch

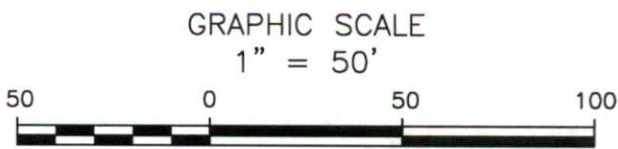


System: 
 Repair: 

System: Gravity to Serial Dist.
 Lines: 4-8, (346')
 Accepted Status System
 0.35 Soil LTAR
 20" Trench Bottom

Repair: Pressure Manifold
 Lines: 1-3, (229')
 T&J Panel
 0.35 Soil LTAR
 14" Trench Bottom At-Grade

- *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.



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4-Bedroom Septic Layout
 Lot 145, Birchwood Grove Subdivision
 Harnett County, North Carolina

Job# : 3753
Drawn By : LW
Date : 03/06/2024
Revision: