

Harnett County Environmental Health

File/Permit Number: SFD2401-0034

IMPROVEMENT PERMIT

County: Harnett
PIN/Lot Identifier: 0526-30-7825
Owner: Hercules Nikolaou Applicant: Hercules Nikolaou
Property Location: 121 Ithica Ln (SR2499)
Subdivision (if applicable) Carlie Hills Lot #: 40 Block: _____ Section: _____
New Expansion System Relocation Change of Use
Facility Type: 56'x59' SFD
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): .5 Proposed LTAR (Repair): .4
Proposed Wastewater System Type*: 25% reduction (Initial) Pump Required: Yes No May be required
Proposed Wastewater System Type*: 25% reduction (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)*: 30 Usable Depth to LC (Repair)*: 26 * Limiting Condition
Max. Trench Depth (Initial)*: 18 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:

NO GUTTER OR FOUNDATION DRAINS SHALL EMPTY ONTO DRAIN FIELD

- Clear gutters Drain Field Area, Then call back for septic layout and type of septic system

Authorized Agent's Printed Name: Mark Osborne REHS Expiration Date: 5-7-29
Authorized Agent's Signature: _____ Date: 5-7-24

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.

** I.P. Conditions Met*

↳ Drain Field will need 2-6 inches of cover

*- Must keep system 12" - 18" in depth
- 225' total drain line*

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CONSTRUCTION AUTHORIZATION

County: Harnett PIN/Lot Identifier: 0526-30-7825
Owner: Hercules Nikolaou Applicant: Hercules Nikolaou
Property Location: 121 Ithica Ln (SR 2499)
Facility Type: 56'x59' SFD

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* 25% reduction (Initial) 25% reduction (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: 225 feet Trench/Bed Spacing: 9 feet on center
Trench/Bed Width: 36 inches LTAR: .4 gpd/ft² Usable Depth to LC (Initial): 30 ^{*Limiting condition}
Soil Cover: 6 inches Slope Corrected Maximum Trench/Bed Depth: 12-18 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: Mark Osborne REHS Expiration Date: 5-31-29
Authorized Agent's Signature:  Date: 5-31-24

See attached site sketch

Harnett County Environmental Health

SITE SKETCH

PIN 0526-30-7825

Permit Number SFD2401-0034

Hercules Nikolaou

Carlie Hills / lot 40

Applicant's Name
Mark Osborne REHS

Subdivision/Section/Lot Number
5-7-24

Authorized State Agent

Date

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

