



JOHNSTON COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

309 East Market Street, Smithfield, NC 27577
Phone: 919-989-5180 Fax: 919-989-5190
www.johnstonnc.com/envhealth

IMPROVEMENT PERMIT

Application #: 204000

Parcel #: 04M15006R

Name: RRT Development LLC

Address: 15 Lupin Dr. City, State, Zip : Smithfield, NC 27577

Subdivision (if applicable): Lucas Park Lot #: 14 Property Size: .78 Acre(s)

New Expansion Repair System Relocation Change of Use

Facility Type: Residential-SFD Number of Bedrooms: 4 Maximum # of Occupants: 8

Design Wastewater Strength: Domestic High Strength Industrial Process Wastewater

Proposed Design Daily Flow: 480 GPD Proposed LTAR (Initial) 0.6 Proposed LTAR-Repair Area: 0.6

Proposed Wastewater System (Initial): Gravel/Accepted Classification Type: IIa Pump Required: Yes No

Proposed Wastewater System (Repair): Accepted Classification Type: IIb Pump Required: Yes No

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)

Depth to LC (Initial)*: 48" inches Depth to LC (Repair)*: 36" inches * **Limiting Condition**

Max. Trench Depth (Initial)*: 16" inches Max. Trench Depth (Repair)*: 16" inches * **Measured on the downhill side of the trench**

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

Type of Water Supply: Public Supply Private Well Community Well Shared Well 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:
IF GRAVITY FLOW CAN NOT BE ACHIEVED A PUMP WILL BE NEEDED

dh

Authorized Agent's Printed Name: Alan Farrow REHS Issuance Date: 02/23/2024

Authorized Agent's Signature: Alan Farrow Expiration Date: 02/23/2029

The issuance of this Improvement Permit (IP) in no way guarantees the issuance of other permits, approvals, or requirements by other local units of government, state or federal agencies (ie: building and/or zoning permits, mandatory sewer connections, etc.) Use of the site may be subject to all applicable development regulations/ordnances/rules/laws. This IP is subject to revocation and/or suspension if the site plan, plat, the intended use changes, or any unauthorized site disturbance, filling, soil removal or layout changes. The IP shall not be affected by a change of ownership of the site. This IP is subject to compliance with the provisions of 15A NCAC 18E and to the any conditions of this permit. The IP is valid for 5 years from the date of issuance unless otherwise indicated.

Dennis Peacock

Jun 18 2024

Signature of Owner/Legal Representative: _____ Date: _____

See attached site sketch



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CONSTRUCTION AUTHORIZATION

Application #: 204000

Parcel #: 04 m15006r

Name: RRT Development LLC

Address: 15 Lupin Dr. City, State & Zip: Smithfield, NC 27577

Subdivision (if applicable): Lucas Park Lot #: 14 Property Size: .78 Acre(s)

New Expansion Repair System Relocation Change of Use

Facility Type: Residential-SFD Number of bedrooms: 4 Maximum # of Occupants: 8

Basement: Yes No Basement Fixtures: Yes No Crawl Space: Yes No Slab Foundation: Yes No

Type of Wastewater System* Gravel/Accepted (Initial) System Classification: Ia

Accepted (Repair) System Classification: Iib

Design Daily Flow: 480 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: Public Supply Private Well Community Well Shared Well Spring Other: _____

Installation Requirements/Conditions:

Septic Tank Size: 1000 gallons Grease Trap Size (if applicable): — gallons LTAR: 0.6 gpd/ft2

of Lines: 4 Length: 75' Trench Area: 900 ft2

Trench Width: 36 inches Trench Spacing Minimum: 9 ft on center Additional Soil Cover: 2-4 inches

Slope Corrected Maximum Trench Depth±: 16" inches #Measures on the downhill side of the trench

Pump Tank Size (if applicable): -Select- gallons Requires more than one pump? Yes No

Pump Requirements: — ft. TDH vs. — gpm Pressure Head: — Drawdown: — inches

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 Pre-Construction Conference Required: Yes No

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

Management Entity Required: Yes No Minimum O&M Requirements: _____

Permit Conditions: # 2-4" Approved topsoil required. IF GRAVITY CANNOT BE ACHIEVED AN PUMP WILL BE NEEDED

DW7

Authorized Agent's Printed Name: C. ERIC BRASS Issuance Date: 6/18/24

Authorized Agent's Signature: [Signature] Expiration Date: 6/18/29

The issuance of this Construction Authorization (CA) in no way guarantees the issuance of other permits, approvals, or requirements by other local units of government, state, federal (ie: building and or zoning permits, mandatory sewer connections, etc.) Use of the site may be subject to all applicable development regulations/ordinances/rule/law. The requirements of 15A NCAC 18E are incorporated by reference into this CA and shall be met. This CA 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. This CA is subject to revocation and/or suspension, if the site plan, plat, intends use changes, or any unauthorized site disturbance, filling, soil removal, or layout changes. The CA is not affected by a change in ownership of the site and is valid for 5 years from the date of Improvement Permit issuance, unless otherwise indicated. Systems shall be installed in accordance with the attached site sketch.

DENNIS PEACOCK

Signature of Owner/Legal Representative: _____ Date: _____

See attached site sketch

CONSTRUCTION AUTHORIZATION SITE SKETCH

Application #: 204000

Pre-Construction Conference Required: Yes No

Name: RRT Development LLC

Address: 15 Lupin Dr. City, State, Zip: Smithfield, NC 27577

Subdivision (if applicable): Lucas Park Lot #: 14 Property Size: .78 Acre(s)

Authorized Agent's Printed Name: Alan Farris REHS Date: 2/23/2024

System components represent approximate location of septic system and repair area. The contractor must flag the system prior to beginning the installation to ensure that the proper grade is maintained.

Scale: 1 in = 40 ft Slope Corrected Maximum Trench Depth: 16" inches †Measures on the downhill side of the trench

