

Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: LGI Homes - NC, LLC PROPERTY LOCATION: 71 Doonbeg Dr. (Chalybeate Rd. - SR 142)
 SUBDIVISION Avery Pond LOT # 158
 NEW REPAIR EXPANSION Site Improvements required prior to Construction Authorization Issuance:
 Type of Structure: 36x46 sfd, 4 beds 2.5 baths crawl
 Proposed Wastewater System Type: 25% Reduction Sys.
 Projected Daily Flow: 480 GPD
 Number of bedrooms: 4 Number of Occupants: 8 max
 Basement Yes No
 Pump Required: Yes No May be required based on final location and elevations of facilities
 Type of Water Supply: Community Public Well Distance from well NA feet Permit valid for: Five years
 Permit conditions: _____ No expiration

Authorized State Agent: [Signature] Date: 07/21/2020 SEE ATTACHED SITE SKETCH
 The issuance of this permit by the Health Department 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 site 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 the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit.

Construction Authorization

(Required for Building Permit)

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

ISSUED TO: LGI Homes - NC, LLC PROPERTY LOCATION: 71 Doonbeg Dr. (Chalybeate Rd. - SR 142)
 SUBDIVISION Avery Pond LOT # 158
 Facility Type: 36x46 sfd, 4 beds 2.5 batl New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** 50% Reduction Horizontal PPBPS System (Initial) Wastewater Flow: 480 GPD
 (See note below, if applicable 50%
25% Reduction PPBPS System (Repair)

Installation Requirements/Conditions

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>4</u>	Exact length of each trench <u>50</u> feet	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size <u>1000</u> gallons	Trenches shall be installed on contour at a	Maximum Trench Depth of: <u>20</u> inches	Soil Cover: <u>8</u> inches
	(Trench bottoms shall be level to +/-1/4"	in all directions)	(Maximum soil cover shall not exceed 36" above the trench bottom)

Pump Requirements: _____ ft. TDH vs. _____ GPM
 Aggregate Depth: NA inches below pipe
NA inches above pipe
NA inches total

Conditions: Pump to D-Box Equal Distribution

**WATER LINES (INCLUDING IRRIGATION) MUST BE 10FT. FROM ANY PART OF SEPTIC SYSTEM OR REPAIR AREA.
 NO UTILITIES ALLOWED IN INITIAL OR REPAIR DRAIN FIELD AREA.**

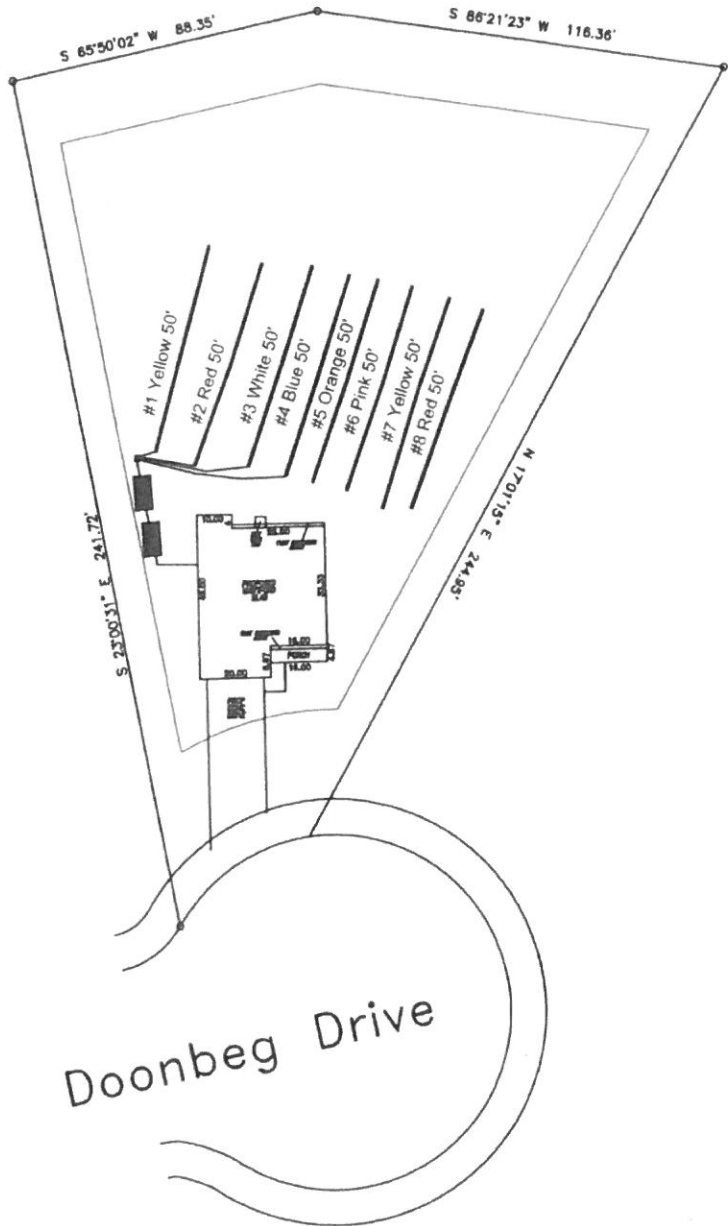
**If applicable: I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Signature: _____ Date: _____

This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be transferred when there is a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. SEE ATTACHED SITE SKETCH

Authorized State Agent: [Signature] Date: 07/21/2020
ANDREW CURRY Construction Authorization Expiration Date: 07/21/2025

Avery Pond 4-Bedroom Septic Proposal Lot #158



System: Pump to D-Box
 Lines: 1-4 (200')
 0.3 LTAR
 20" Trench Bottom
 T&J Panel System (50% Reduction)
 Repair: Pump to D-Box
 Lines: 5-9 (200')
 0.30 LTAR
 20" Trench Bottom
 T&J Panel 50% Reduction System

Doonbeg Drive

GRAPHIC SCALE
 1" = 50'



Adams
 Soil Consulting
 919-414-6761
 Job #708

Avery Pond

Lot #158

4-Bedroom Home (480 gal./day)

<u>LINE #</u>	<u>COLOR</u>	<u>BS</u>	<u>HI</u>	<u>FS</u>	<u>ELEVATION</u>	<u>LINE LENGTH</u>	<u>Design Length</u>
TBM		2.0		100.0		<u>in field</u>	<u>installation</u>
INST. 1			102.0				
1	Yellow			2.7	99.3	70	50
2	Red			3.5	98.5	80	50
3	White			4.2	97.8	65	50
4	Blue			5	97	65	50
5	Orange			5.7	96.3	65	50
6	Pink			6.6	95.4	65	50
7	Yellow			7.5	94.5	90	50
8	Red			8.5	93.5	60	50
Total						560	

System

Repair

Lines 1-4

Lines 5-8

System Type

50% Reduction System
T & J Panel System

50% Reduction System
T & J Panel System

Suggested Soil LTAR

0.300

0.300

Total Line Length

200

200

Square Footage

600

600

Proposed Trench Bottom

20"

20"

Distribution Method

Pump to D-
Box

Pump to D-Box