

## 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: 70 Doonbeg Dr. (Chalybeate Rd. - SR 142  
 SUBDIVISION Avery Pond LOT # 162  
 NEW  REPAIR  EXPANSION  Site Improvements required prior to Construction Authorization Issuance:  
 Type of Structure: 40x49 sfd 3 beds 2 baths crawl  
 Proposed Wastewater System Type: 25% Reduction Sys.  
 Projected Daily Flow: 360 GPD  
 Number of bedrooms: 3 Number of Occupants: 6 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: 70 Doonbeg Dr. (Chalybeate Rd. - SR 1  
 SUBDIVISION Avery Pond LOT # 162  
 Facility Type: 40x49 sfd 3 beds 2 baths  New  Expansion  Repair  
 Basement?  Yes  No Basement Fixtures?  Yes  No  
 Type of Wastewater System\*\* 25% Reduction System (Initial) Wastewater Flow: 360 GPD  
 (See note below, if applicable )  
25% Reduction System (Repair)  
**Installation Requirements/Conditions**  
 Number of trenches 3  
 Septic Tank Size 1000 gallons Exact length of each trench 80 feet Trench Spacing: 9 Feet on Center  
 Pump Tank Size \_\_\_\_\_ gallons Trenches shall be installed on contour at a Soil Cover: 6-12 inches  
 Maximum Trench Depth of: 18-25 inches (Maximum soil cover shall not exceed  
 (Trench bottoms shall be level to +/-1/4" 36" above the trench bottom)  
 in all directions)  
 Pump Requirements: \_\_\_\_\_ ft. TDH vs. \_\_\_\_\_ GPM Aggregate Depth: NA inches below pipe  
 Conditions: Gravity to D-Box Equal Lines or Gravity to 240ft Serial NA inches above pipe  
NA inches total

**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 CURRAN Construction Authorization Expiration Date: 07/21/2025

# Harnett County Department of Public Health Site Sketch

Property Location: 70 Doonbeg Dr. (Chalybeate Rd. - SR 1429)

Issued To: LGI Homes - NC, LLC

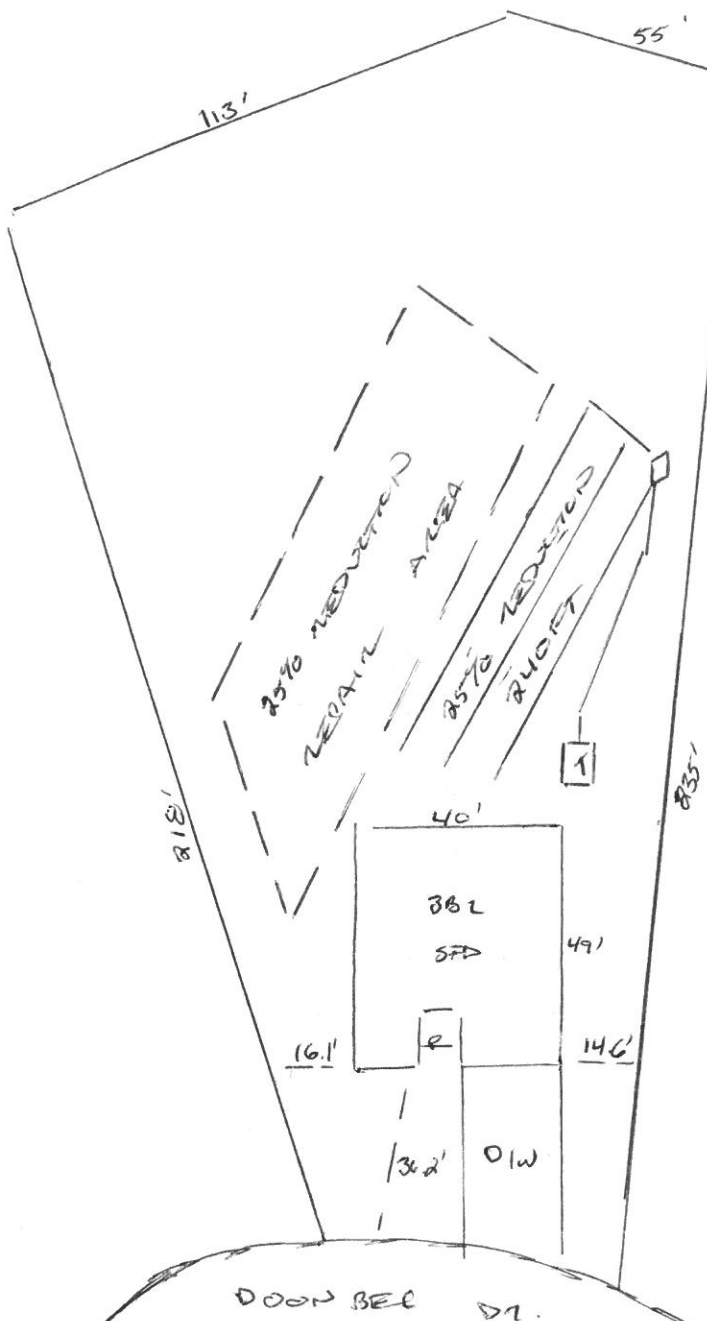
Subdivision Avery Pond

Lot # 162

Authorized State Agent:

*[Signature]*  
ANDREW CORNUM

Date: 07/21/2020

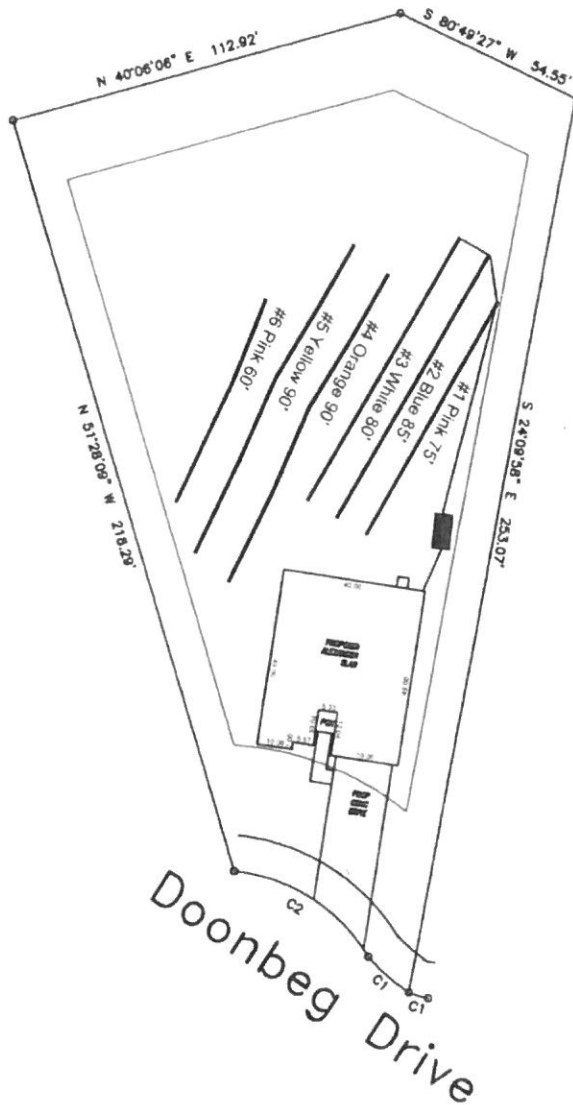


\*GRAVITY TO D-BOX  
EQUAL LINES  
OR  
240FT SERIAL

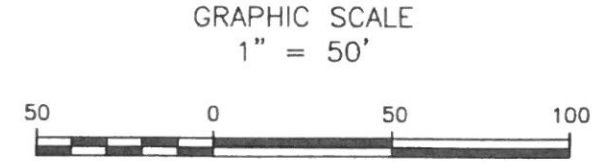
\*PROPOSED BY ADAMS  
SOIL CONSULTING

This drawing is for illustrative purposes only. System installation must meet all pertinent laws, rules, and regulations.

# Avery Pond 3-Bedroom Septic Proposal Lot #162



System: Gravity to Serial Dist  
 Lines: 1-3 (240')  
 0.375 LTAR  
 18-24" Trench Bottom  
 Accepted Status System  
 Repair: Gravity to Serial Dist.  
 Lines: 4-6(240')  
 0.375 LTAR  
 18-24" Trench Bottom  
 Accepted Status System



Adams  
 Soil Consulting  
 919-414-6761  
 Job #708

*Avery Pond*

*Lot #162*

3-Bedroom Home (360 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	Pink			4.5	97.5	75	75
2	Blue			5.3	96.7	90	85
3	White			6.1	95.9	80	80
4	Orange			6.9	95.1	105	90
5	Yellow			7.9	94.1	91	90
6	Pink			9.1	92.9	65	60
7	Red			10.3	91.7	40	not used
Total							

	<u>System</u>	<u>Repair</u>
	Lines 1-3	Lines 4-7
<b>System Type</b>	Accepted Status System EZ-FLOW	Accepted Status System EZ-FLOW
Suggested Soil LTAR	0.375	0.38
<b>Total Line Length</b>	240	240
<b>Square Footage</b>	720	720
<b>Proposed Trench Bottom</b>	18-24"	18"
<b>Distribution Method</b>	Gravity to Serial Dist.	Gravity to Serial Dist.