


## 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: 80 Doonbeg Dr. (Chalybeate Rd. - SR 142)  
 SUBDIVISION Avery Pond LOT # 160  
 NEW  REPAIR  EXPANSION   
 Type of Structure: 30x41 sfd, 3 beds 2.5 baths crawl Site Improvements required prior to Construction Authorization Issuance:  
 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:  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: 80 Doonbeg Dr. (Chalybeate Rd. - SR 1)  
 SUBDIVISION Avery Pond LOT # 160  
 Facility Type: 30x41 sfd, 3 beds 2.5 batl  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**

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>3</u>	Exact length of each trench <u>90</u> feet	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size _____ gallons	Trenches shall be installed on contour at a	Maximum Trench Depth of: <u>18-25</u> inches	Soil Cover: <u>6-12</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: Gravity 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:  Date: 07/21/2020  
ANDREW CURRAN Construction Authorization Expiration Date: 07/21/2025

# Harnett County Department of Public Health Site Sketch

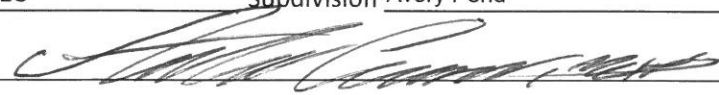
Property Location: 80 Doonbeg Dr. (Chalybeate Rd. - SR 1429)

Issued To: LGI Homes - NC, LLC

Subdivision Avery Pond

Lot # 160

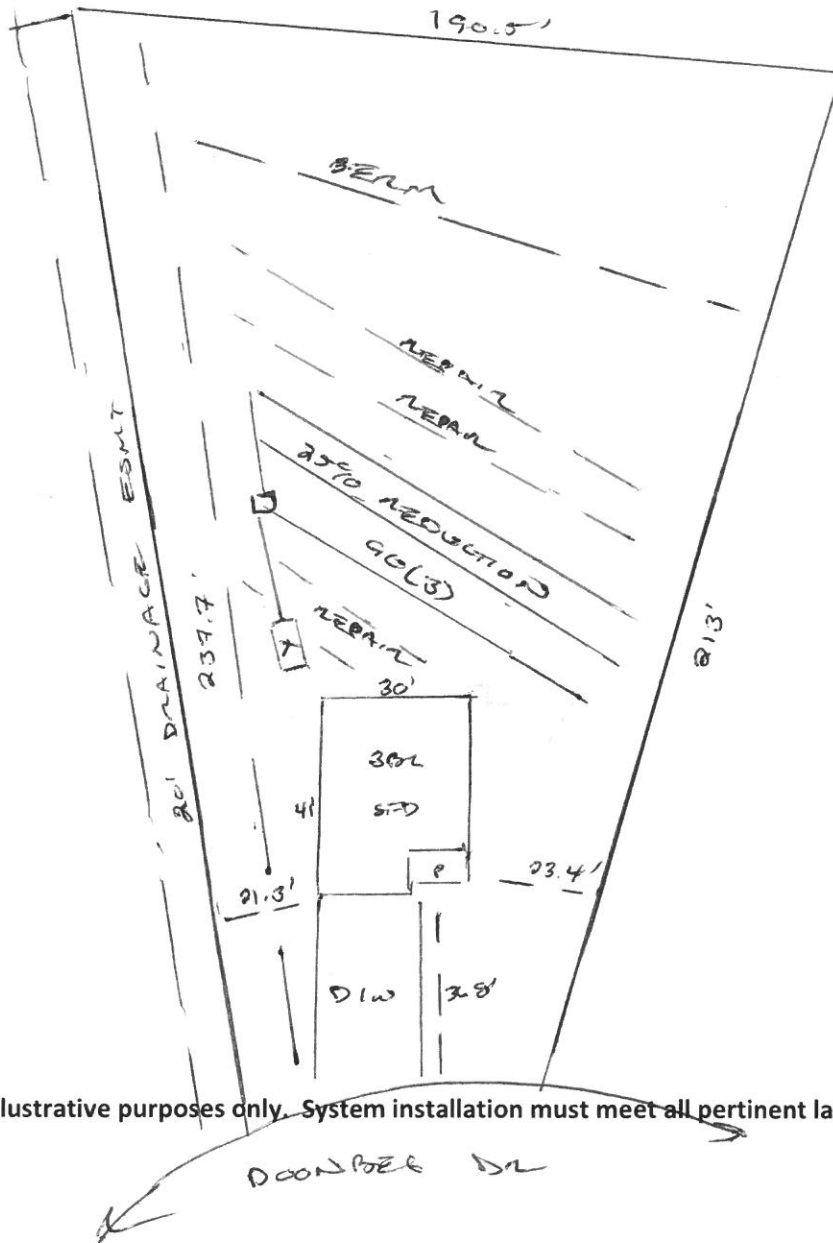
Authorized State Agent:



Date: 07/21/2020

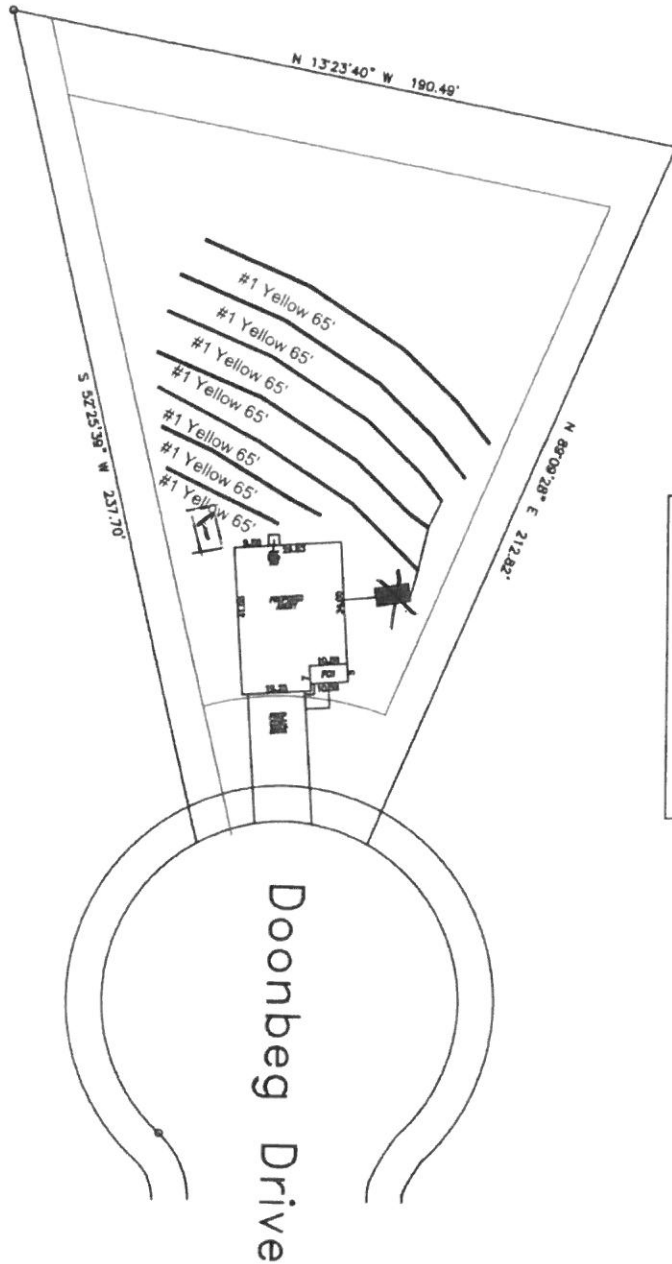
ANDREW COLLINS

- \* GRAVITY TO D-BOX EQUAL LINE ON 270FT SPAN
- \* PROPOSAL BY ADAMS SOIL CONSULTING
- \* SPLIT REPAIR AREA



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

# Avery Pond 3-Bedroom Septic Proposal Lot #160



System: Gravity to Serial Dist  
Lines: 3-5 (270')  
0.35 LTAR  
18-24" Trench Bottom  
Accepted Status System  
Repair: Pressure Manifold  
Lines: 1-2, 6-8 (280')  
0.35 LTAR  
12" Trench Bottom  
Accepted Status System

GRAPHIC SCALE  
1" = 50'



Adams  
Soil Consulting  
919-414-6761  
Job #708

*Avery Pond*

*Lot #160*

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	Yellow			4.5	97.5	35	30
2	Orange			5.3	96.7	50	50
3	Pink			6.1	95.9	100	90
4	Yellow			6.9	95.1	100	90
5	Orange			7.9	94.1	100	90
6	Pink			9.1	92.9	100	100
7	Yellow			10.3	91.7	100	100
Total							

	<u>System</u>	<u>Repair</u>
	Lines 3-5	Lines 1-2, 6-7
<b>System Type</b>	Accepted Status System	Accepted Status System
	EZ-FLOW	EZ-FLOW
Suggested Soil LTAR	0.35	0.35
<b>Total Line Length</b>	270	280
<b>Square Footage</b>	810	840
<b>Proposed Trench Bottom</b>	18"	12"
<b>Distribution Method</b>	Gravity to Serial Dist.	Gravity to Serial Dist.