

## 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: 705 Avery Pond Dr. (Chalybeate Rd. SR 1.  
 SUBDIVISION Avery Pond Phase IIID LOT # 112

NEW  REPAIR  EXPANSION  Site Improvements required prior to Construction Authorization Issuance: \_\_\_\_\_

Type of Structure: 27x45 sfd, 3 beds 2.5 baths

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  
 No expiration

Permit conditions: \_\_\_\_\_

Authorized State Agent:  Date: 07/08/2020 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: 705 Avery Pond Dr. (Chalybeate Rd. SF  
 SUBDIVISION Avery Pond Phase IIID LOT # 112

Facility Type: 27x45 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)

<b>Installation Requirements/Conditions</b>	Number of trenches <u>3</u>	
Septic Tank Size <u>1000</u> gallons	Exact length of each trench <u>75</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>18-24</u> inches (Trench bottoms shall be level to +/-1/4" in all directions)	Soil Cover: <u>6-12</u> inches (Maximum soil cover shall not exceed 36" above the trench bottom)
Pump Requirements: _____ ft. TDH vs. _____ GPM		<u>NA</u> inches below pipe Aggregate Depth: <u>NA</u> inches above pipe
Conditions: <u>Pump to D-Box, Proposal by Adams Soil Consulting</u>		<u>NA</u> 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:  Date: 07/08/2020  
ANDREW CURRAN Construction Authorization Expiration Date: 07/08/2025

Application # SFD2006-0065

## Harnett County Department of Public Health Site Sketch

Property Location: 705 Avery Pond Dr. (Chalybeate Road - SR 1429)

Issued To: LGI Homes-NC, LLC

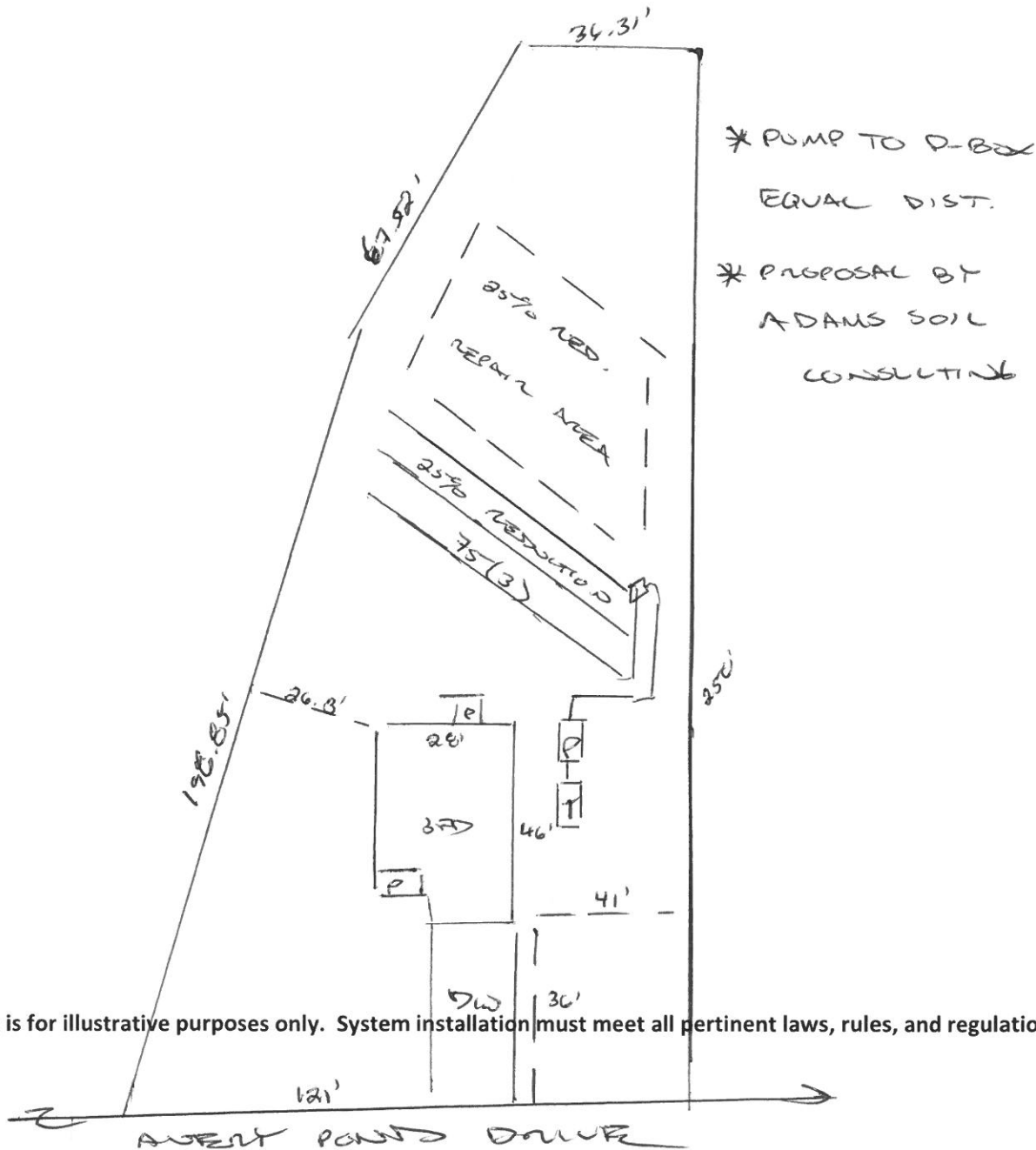
Subdivision Avery Pond Phase IIID

Lot # 112

Authorized State Agent: \_\_\_\_\_

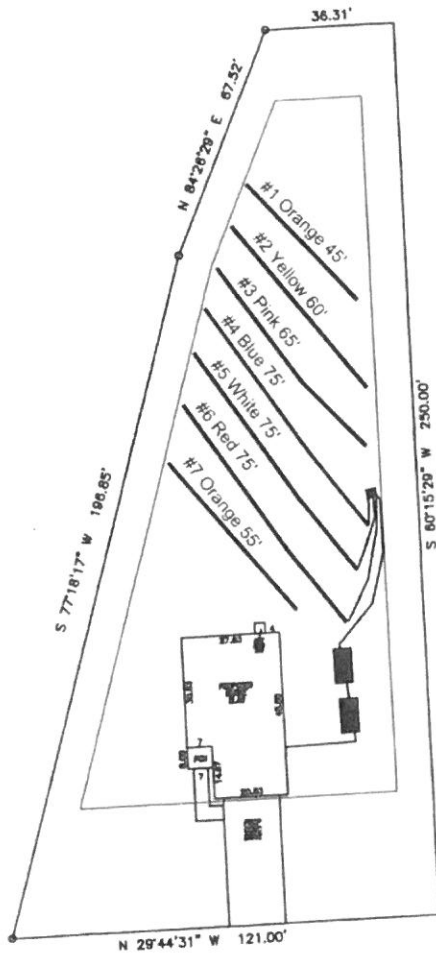
*Andrew Wain*  
ANDREW WAIN

Date: 07/08/2020



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

# Avery Pond 3-Bedroom Septic Proposal Lot #112



System: Pump to D-Box
Lines: 4-6 (225')
0.4 LTAR
18-24" Trench Bottom
Accepted Status System
Repair: Pump to serial dist.
Lines: 1-3, 7 (225')
0.4 LTAR
18-24" Trench Bottom
Accepted Status System

Avery Pond Drive

GRAPHIC SCALE  
1" = 50'



Adams Soil Consulting 919-414-6761 Job #708
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**Avery Pond**  
**Lot #112**

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	Orange			4.6	97.4	45	45
2	Yellow			4.9	97.1	60	60
3	Pink			5.2	96.8	65	65
4	<i>Blue</i>			<b>5.6</b>	<b>96.4</b>	75	75
5	<i>White</i>			<b>6</b>	<b>96</b>	75	75
6	<i>Red</i>			<b>6.3</b>	<b>95.7</b>	75	75
7	Orange			6.6	95.4	55	55
8	Yellow			6.9	95.1	45	not used
9	Pink			7.3	94.7	32	not used

Total

	<u>System</u>	<u>Repair</u>
	Lines 4-6	Lines 1-3, 7
<b>System Type</b>	Accepted Status System	Accepted Status System
	EZ-FLOW	EZ-FLOW
Suggested Soil LTAR	0.400	0.400
<b>Total Line Length</b>	225	225
<b>Square Footage</b>	675	675
<b>Proposed Trench Bottom</b>	18-24"	18-24"
<b>Distribution Method</b>	Pump to D-Box	Pump to serial dist.