

# 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: 189 Mineral Spring Ln. (Chalybeate Road)  
 SUBDIVISION Avery Pond LOT # 72

NEW  REPAIR  EXPANSION  Site Improvements required prior to Construction Authorization Issuance:  
 Type of Structure: 40'x49' sfd, 3 beds 2 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  
 Permit conditions:  No expiration

Authorized State Agent: [Signature] Date: 09/17/2020 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: 189 Mineral Spring Ln. (Chalybeate Road)  
 SUBDIVISION Avery Pond LOT # 72

Facility Type: 40'x49' sfd, 3 beds 2 bath  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 <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 _____ gallons	Trenches shall be installed on contour at a	Soil Cover: <u>12</u> inches
	Maximum Trench Depth of: <u>24</u> 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		<u>NA</u> inches below pipe
		Aggregate Depth: <u>NA</u> inches above pipe
Conditions: <u>Gravity 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: [Signature] Date: 09/17/2020  
ANDREW CUMMIS Construction Authorization Expiration Date: 09/17/2025

Application # SFD2009-0002

## Harnett County Department of Public Health Site Sketch

Property Location: 189 Mineral Spring Ln. (Chalybeate Road - SR 1429)

Issued To: LGI Homes-NC, LLC

Subdivision Avery Pond

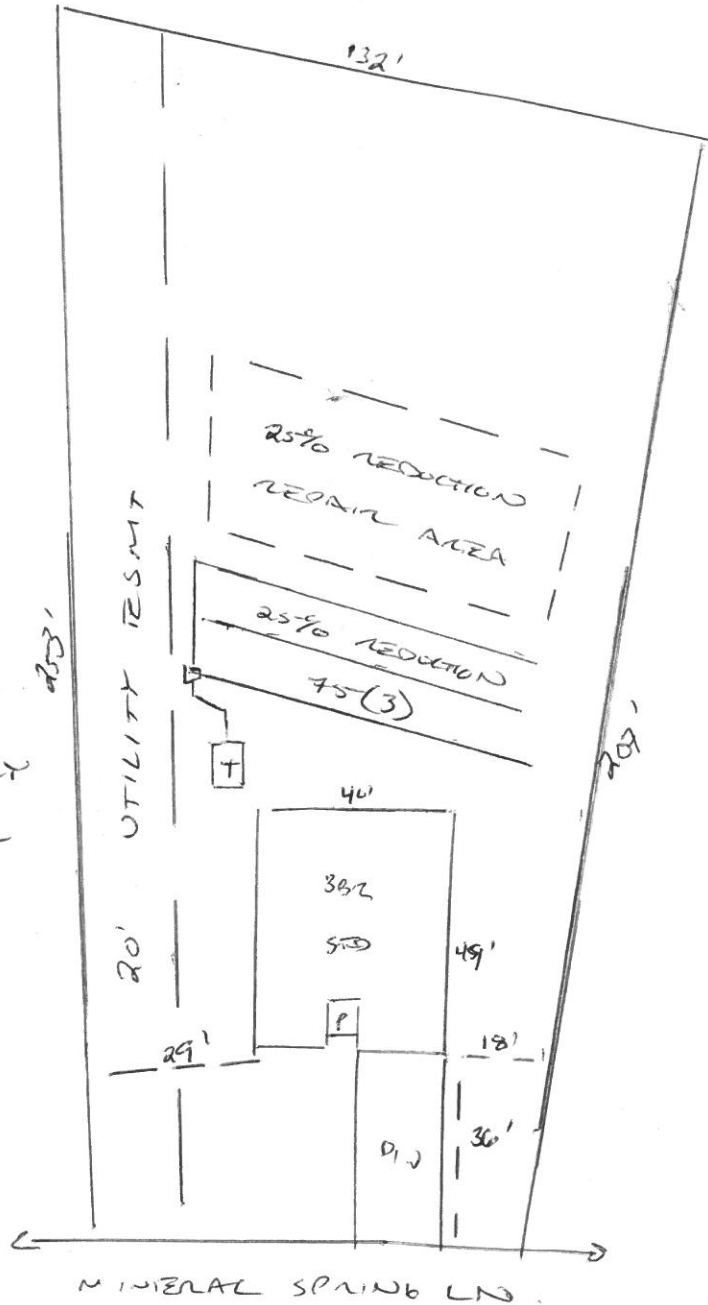
Lot # 72

Authorized State Agent: *Andrew Curran*

Date: 09/17/2020

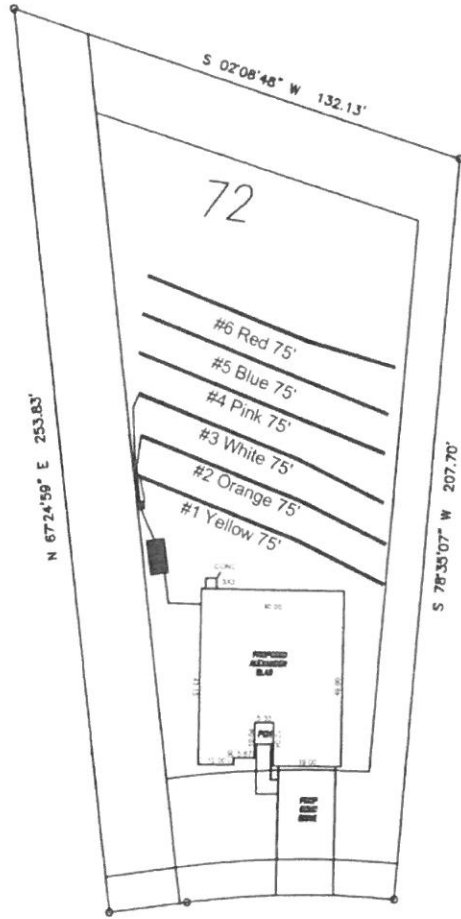
ANDREW CURRAN

- \* GRAVITY TO D-BOX  
EQUAL DISTRIBUTION
- \* PROPOSAL BY ADAMS  
SOIL CONSULTING
- \* LEFT PROPERTY LINE  
NEEDS TO BE ADEQUATELY  
MARKED @ INSTALL



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

# Avery Pond 3-Bedroom Septic Proposal Lot #72



Mineral Springs Way

System: Gravity to D-Box  
 Lines: 1-3 (225')  
 0.4 LTAR  
 24" Trench Bottom  
 Accepted Status System  
 Repair: Gravity to D-Box  
 Lines: 4-6 (225')  
 0.4 LTAR  
 18" Trench Bottom  
 Accepted Status System

GRAPHIC SCALE  
 1" = 50'



Adams  
 Soil Consulting  
 919-414-6761  
 Job #708

*Avery Pond*

*Lot #72*

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	<i>Yellow</i>			4.3	97.7	75	75
2	<i>Orange</i>			4.5	97.5	75	75
3	<i>White</i>			4.6	97.4	75	75
4	<i>Pink</i>			4.9	97.1	76	75
5	<i>Blue</i>			5.1	96.9	77	75
6	<i>Red</i>			5.2	96.8	78	75

System

Repair

Lines 1-3

Lines 4-6

**System Type**

Accepted Status System

Accepted Status System

Suggested Soil LTAR

0.40

0.40

**Total Line Length**

225

225

**Square Footage**

675

675

**Proposed Trench Bottom**

24"

24"

**Distribution Method**

Gravity to D-Box

Gravity to D-Box