

## 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: 641 Avery Pond Dr. (Chalyhate Rd. SE 1429)  
 NEW  REPAIR  EXPANSION  SUBDIVISION: Avery Pond LOT # 109  
 Type of Structure: 4BR 40'x42' SFD Site Improvements required prior to Construction Authorization Issuance: \_\_\_\_\_  
 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: 06/06/2019 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: 641 Avery Pond Dr. (Chalyhate Rd.)  
 Facility Type: 4BR 40'x42' SFD  New  Expansion  Repair  
 Basement?  Yes  No Basement Fixtures?  Yes  No  
 Type of Wastewater System\*\* 25% reduction system (Initial) Wastewater Flow: 480 GPD  
 (See note below, if applicable )  
Pump to 25% red. sys. (Repair)

**Installation Requirements/Conditions**

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>3</u>	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size _____ gallons	Exact length of each trench <u>115</u> feet	Soil Cover: <u>6-12</u> inches
	Trenches shall be installed on contour at a	(Maximum soil cover shall not exceed
	Maximum Trench Depth of: <u>18-24</u> inches	36" above the trench bottom)
	(Trench bottoms shall be level to +/-1/4"	
	in all directions)	

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

Conditions: Pump may be required; Proposal by Adams Soil Consulting

**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: 06/06/2019  
ANDREW CRAIG Construction Authorization Expiration Date: 06/06/2024

HTE# SFD1903-0043

Permit # NA

# Harnett County Department of Public Health Site Sketch

ISSUED TO: LGI Homes NC LLC

PROPERTY LOCATOR: 641 Avery Pond Dr. (Catalyheake Road) <sup>Sr 1429</sup>  
SUBDIVISION Avery Pond LOT # 109

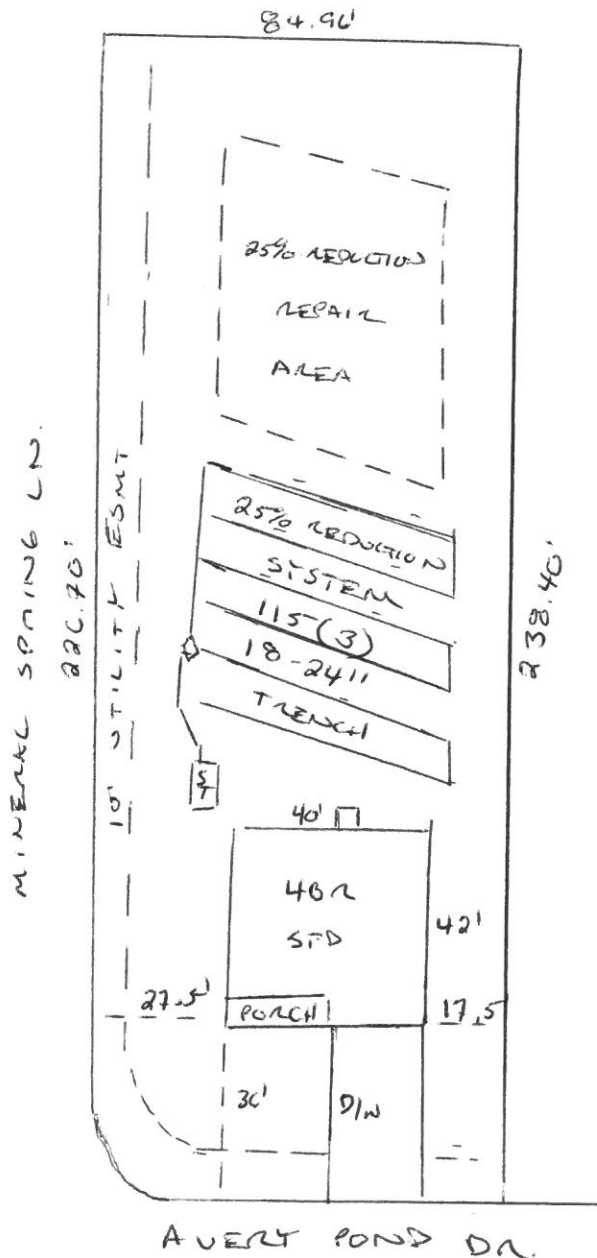
Authorized State Agent:

Andrew Curran  
ANDREW CURRAN

Date: 06/06/2019

\* IF PLUMBING IS NOT  
SUFFICIENT A PUMP  
WILL BE REQUIRED TO  
DOSE SEPTIC FIELD

\* PROPOSAL BY ADAMS  
SOIL CONSULTING



**Avery Pond**  
**Lot #109**

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	Pink			4.6	97.4	55	55
2	Blue			4.5	97.5	55	55
3	Orange			4.4	97.6	55	55
4	White			4.3	97.7	55	55
5	Red			4.1	97.9	55	55
6	Yellow			4	98	55	55
7	Pink			3.8	98.2	55	55
8	Blue			3.7	98.3	55	55
9	Orange			3.4	98.6	70	75
10	White			3.2	98.8	70	75
11	Red			3	99	70	75
12	Yellow			2.9	99.1	50	55

**System**

Lines 1-6

**Repair**

Lines: tie lines 7-12 together

**System Type**

Accepted Status System

Accepted Status System

Suggested Soil LTAR

0.35

0.35

**Total Line Length**

385

340

**Square Footage**

1155

1020

**Proposed Trench Bottom**

18-24"

18-24"

**Distribution Method**

Gravity to D-  
Box

Serial  
Distribution

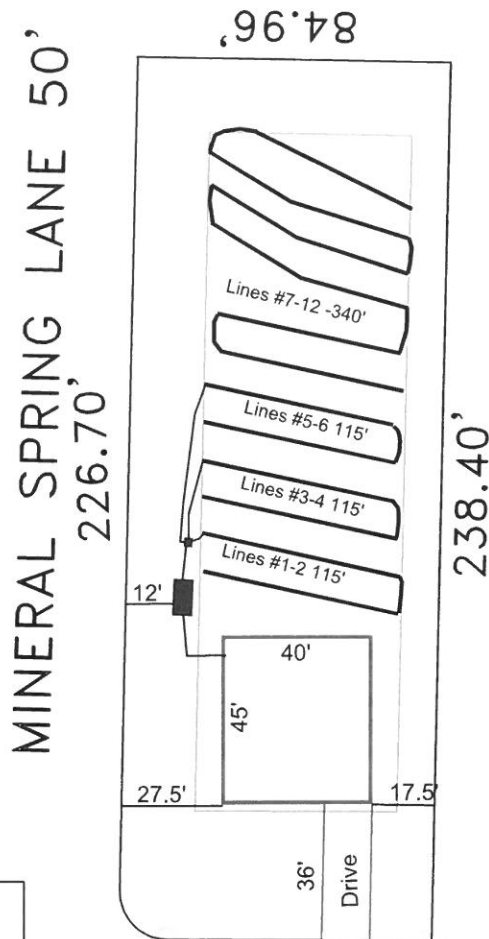
If plumbing is not sufficient a pump tank will be required to dose septic field.

\*Tie together lines 1&2, 3&4, and 5&6 for a total of 345' total

# Avery Pond 4-Bedroom Septic Proposal Lot #109

109

0.465 AC.



\*If Plumbing is not sufficient a pump will be required to dose septic field.

Avery Pond Dr.

System: Gravity D-Box  
 Lines: 1-6 (3 lines (345'))  
 0.35 LTAR  
 18-24" Trench Bottom  
 Accepted Status System  
 Tie lines 1&2, 3&4, and 5&6 (3 Lines)  
 Repair: Pump to Serial Distribution  
 Lines: 1 line (8-12 - (340'))  
 0.35 LTAR  
 18-24" Trench Bottom  
 Accepted Status System

GRAPHIC SCALE  
1" = 50'



Adams  
 Soil Consulting  
 919-414-6761  
 Job #708