

HTE# SFD1902-0010

# Harnett County Department of Public Health

30467

## Improvement Permit

A building permit cannot be issued with only an Improvement Permit

521429

ISSUED TO: LG I Homes NC LLC

PROPERTY LOCATION: 363 Mineral Springs Rd. (Chalybeate Rd.)  
SUBDIVISION: Avery Pond LOT # 99

NEW  REPAIR  EXPANSION   
Type of Structure: 302 30'x41' SFD

Site Improvements required prior to Construction Authorization Issuance: \_\_\_\_\_

Proposed Wastewater System Type: 25% reduction

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: [Signature] Date: 02/22/2019

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: LG I Homes NC LLC

PROPERTY LOCATION: 363 Mineral Springs Rd. (Chalybeate Rd.)  
SUBDIVISION: Avery Pond LOT # 99

Facility Type: 302 30'x41' SFD  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 ) 50% PPGPS Repair Sys. (Repair)

### Installation Requirements/Conditions

Septic Tank Size 1000 gallons  
Pump Tank Size \_\_\_\_\_ gallons

Number of trenches 5  
Exact length of each trench 45 feet  
Trenches shall be installed on contour at a  
Maximum Trench Depth of: 18 inches  
(Trench bottoms shall be level to +/-1/4"  
in all directions)

Trench Spacing: 9 Feet on Center  
Soil Cover: 6 inches  
(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: \_\_\_\_\_

**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: 02/22/2019

ANDREW CURRIN Construction Authorization Expiration Date: 02/22/2024

HTE# SFD1902-0010

Permit # 30467

# Harnett County Department of Public Health Site Sketch

SN1429

PROPERTY LOCATION: 363 Mineral Springs Rd. (Chalghente Rd.)

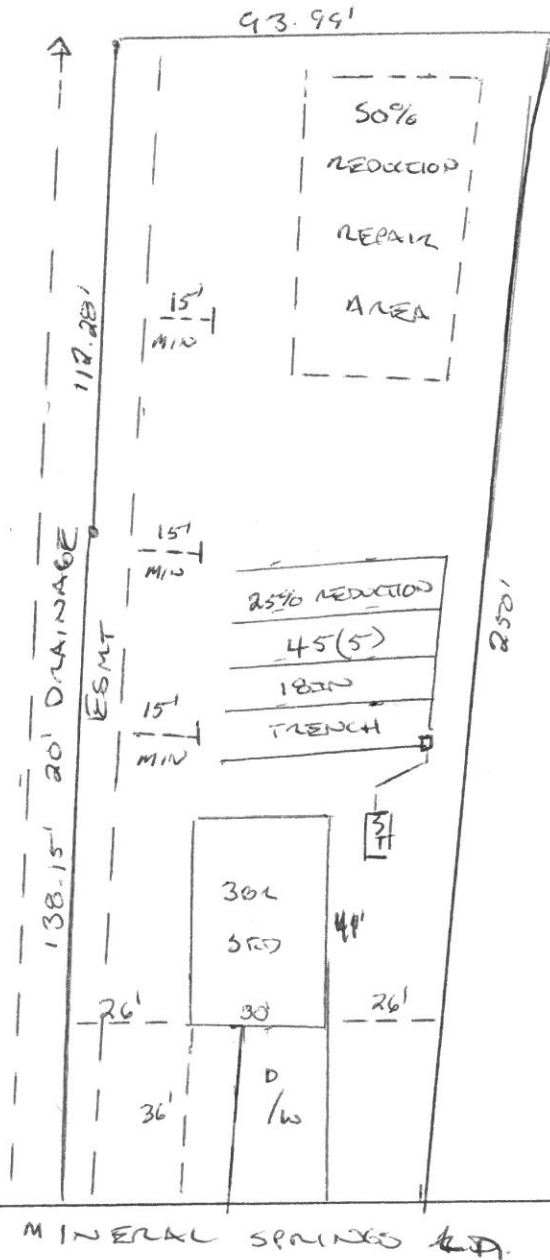
ISSUED TO: LGI Homes NC LLC

SUBDIVISION Avery Pond

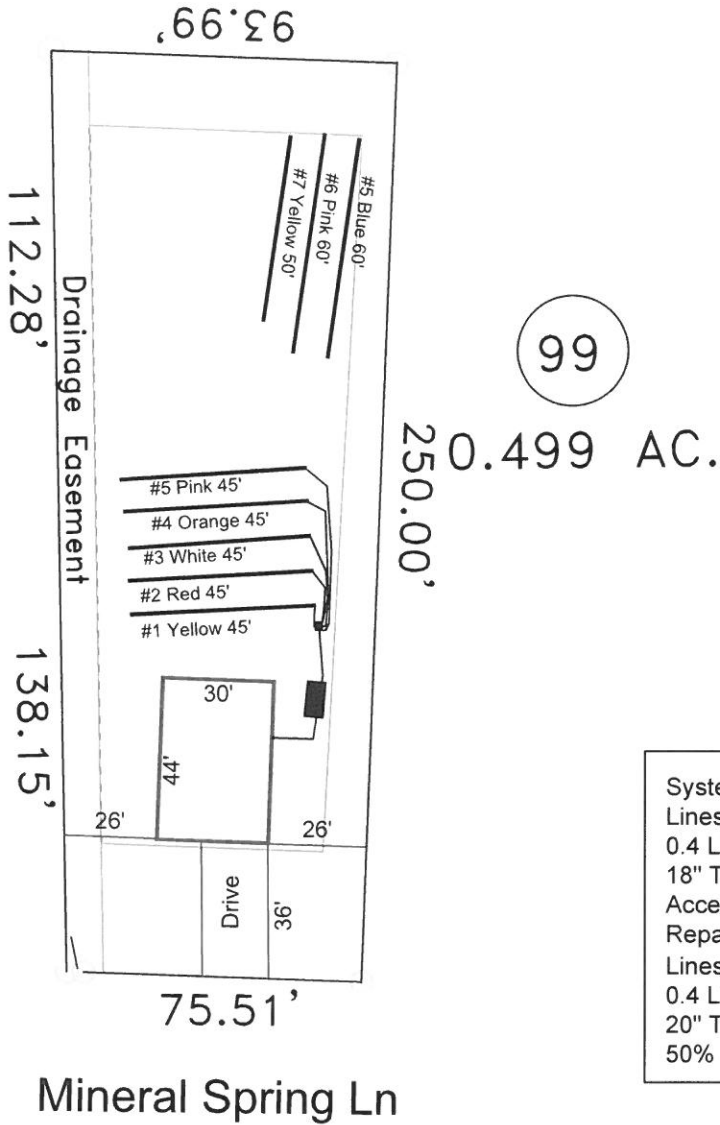
LOT # 97

Authorized State Agent: *Andrew Curran*  
ANDREW CURRAN

Date: 02/22/2019

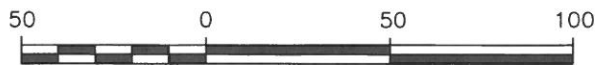


# Avery Pond 3-Bedroom Septic Proposal Lot #99



System: Gravity D-Box  
 Lines: 1-5 (225')  
 0.4 LTAR  
 18" Trench Bottom  
 Accepted Status System  
 Repair: T&J Panel Repair  
 Lines: 5-8 (170')  
 0.4 LTAR  
 20" Trench Bottom  
 50% Reduction Repair

GRAPHIC SCALE  
 1" = 50'



Adams  
 Soil Consulting  
 919-414-6761  
 Job #708

***Avery Pond***

***Lot #99***

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				
<i>1</i>	<i>Yellow</i>			<i>3.7</i>	<i>98.3</i>	<i>50</i>	<i>45</i>
<i>2</i>	<i>Red</i>			<i>4.7</i>	<i>97.3</i>	<i>50</i>	<i>45</i>
<i>3</i>	<i>White</i>			<i>6.4</i>	<i>95.6</i>	<i>50</i>	<i>45</i>
<i>4</i>	<i>Orange</i>			<i>7.5</i>	<i>94.5</i>	<i>50</i>	<i>45</i>
<i>5</i>	<i>Pink</i>			<i>8.2</i>	<i>93.8</i>	<i>50</i>	<i>45</i>
6	Blue			9.1	92.9	60	60
7	Pink			9.4	92.6	60	60
8	Yellow			9.7	92.3	50	50

**System**

Lines 1-5

**System Type**

Accepted Status System  
EZ-FLOW

**Repair**

Lines 5-7

T&J Panel System  
50% reduction

Suggested Soil LTAR

0.40

0.40

**Total Line Length**

225

170

**Square Footage**

675

510

**Proposed Trench Bottom**

18"

20"

**Distribution Method**

Gravity to D-Box

Pump distribution

**Avery Pond**  
**Lot #99**

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			3.7	98.3	60	60
2	Red			4.7	97.3	60	60
3	White			6.4	95.6	60	60
4	Orange			7.5	94.5	60	60
5	Blue			9.1	92.9	60	60
6	Pink			9.4	92.6	60	60
7	Yellow			9.7	92.3	50	50

**System**

**Repair**

Lines 1-4

Lines 5-7

**System Type**

Accepted Status System  
EZ-FLOW

T&J Panel System  
50% reduction

Suggested Soil LTAR

0.40

0.40

**Total Line Length**

240

170

**Square Footage**

720

510

**Proposed Trench Bottom**

24"

20"

**Distribution Method**

Gravity to D-  
Box

Pump  
distribution