

# Harnett County Department of Public Health

## Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: LGI Homes LLC  
 NEW  REPAIR  EXPANSION   
 Type of Structure: 4-Bedroom 40'x42' SFD  
 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 conditions: \_\_\_\_\_

PROPERTY LOCATION: 153 Old Head Way (Chalybeate Road)  
 SUBDIVISION Avery Pond LOT # 86

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

Permit valid for:  Five years  
 No expiration

Authorized State Agent: [Signature] Date: 12/13/2019

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 LLC

PROPERTY LOCATION: 153 Old Head Way (Chalybeate Road)  
 SUBDIVISION Avery Pond LOT # 86

Facility Type: 4-BR 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 )

25% reduction sys (Repair)

### Installation Requirements/Conditions

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

Number of trenches 1  
 Exact length of each trench 300 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: Serial or 2 Three(3) 100ft Equal Lines  
Proposed 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: 12/13/2019

ANDREW CURRAN Construction Authorization Expiration Date: 12/13/2024

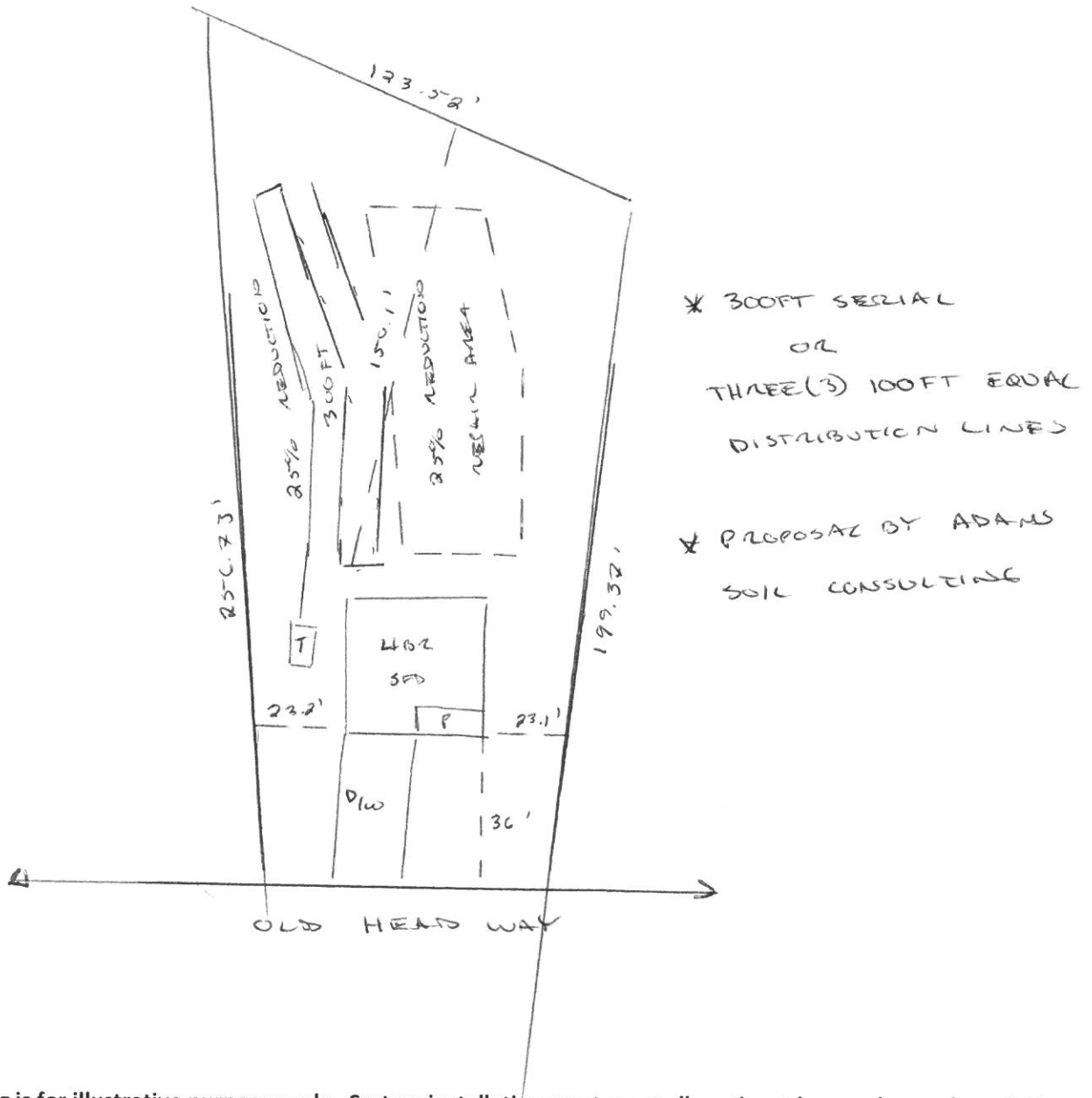
Application # SFS1912-0002

## Harnett County Department of Public Health Site Sketch

Property Location: 153 Old Head Way (Chalybeate Road - SR 1412)

Issued To: LGI Homes LLC Subdivision Avery Pond Lot # 86

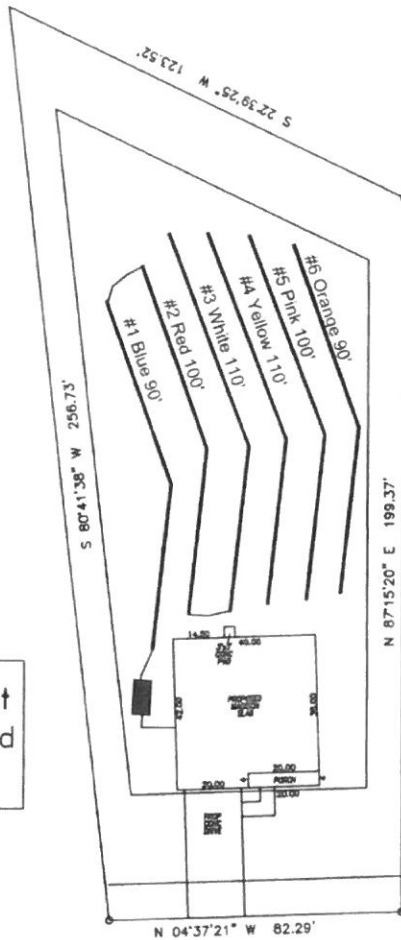
Authorized State Agent: *Andrew Morris* Date: 12/13/2019  
*ANDREW MORRIS*



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

# Avery Pond 4-Bedroom Septic Proposal Lot #86

86



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

System: Serial Distribution  
 Lines: 1-3 (300')  
 0.4 LTAR  
 18" Trench Bottom  
 Accepted Status System  
 Repair: Serial Distribution  
 Lines: 4-6 (300')  
 0.4 LTAR  
 18" Trench Bottom  
 Accepted Status System

Old Head Way

GRAPHIC SCALE  
 1" = 50'



Adams  
 Soil Consulting  
 919-414-6761  
 Job #708

*Avery Pond*

*Lot #86*

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	Blue			5.3	96.7	90	90
2	Red			5.9	96.1	115	100
3	White			6.4	95.6	125	110
4	Yellow			6.8	95.2	125	110
5	Pink			7.6	94.4	115	105
6	Orange			8.2	93.8	95	90
7	Blue			8.8	93.2	45	not used

System

Repair

Lines 1-3

Lines 4-5

**System Type**

Accepted Status System  
EZ-FLOW

Accepted Status System  
EZ-FLOW

Suggested Soil LTAR

0.40

0.40

**Total Line Length**

300

300

**Square Footage**

900

900

**Proposed Trench Bottom**

18"

18"

**Distribution Method**

Serial  
Distribution

Serial  
Distribution