

## 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: 175 Old Head Way (Chalybeate Rd. SR 1  
 SUBDIVISION Avery Pond PH IIIc LOT # 88

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

Type of Structure: 3-Bedroom SFD

Proposed Wastewater System Type: 50% Reduction PPBPS

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: 05/29/2020 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: 175 Old Head Way (Chalybeate Rd. SR  
 SUBDIVISION Avery Pond PH IIIc LOT # 88

Facility Type: 3-Bedroom SFD  New  Expansion  Repair

Basement?  Yes  No Basement Fixtures?  Yes  No

Type of Wastewater System\*\* 50% Reduction Horizontal PPBPS Sys. (Initial) Wastewater Flow: 360 GPD  
 (See note below, if applicable  50% Reduction Hor. PPBPS Sys.(Repair))

Installation Requirements/Conditions	Number of trenches <u>3</u>	
Septic Tank Size <u>1000</u> gallons	Exact length of each trench <u>50</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>6</u> inches
	Maximum Trench Depth of: <u>18</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>Reference Attached Soil Scientist Proposal</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: 05/29/2020  
ANDREW CURRAN Construction Authorization Expiration Date: 05/29/2025

# Harnett County Department of Public Health Site Sketch

Property Location: 175 Old Head Way (Chalybeate Road - SR 1429)

Issued To: LGI Homes NC LLC

Subdivision Avery Pond PH IIIc

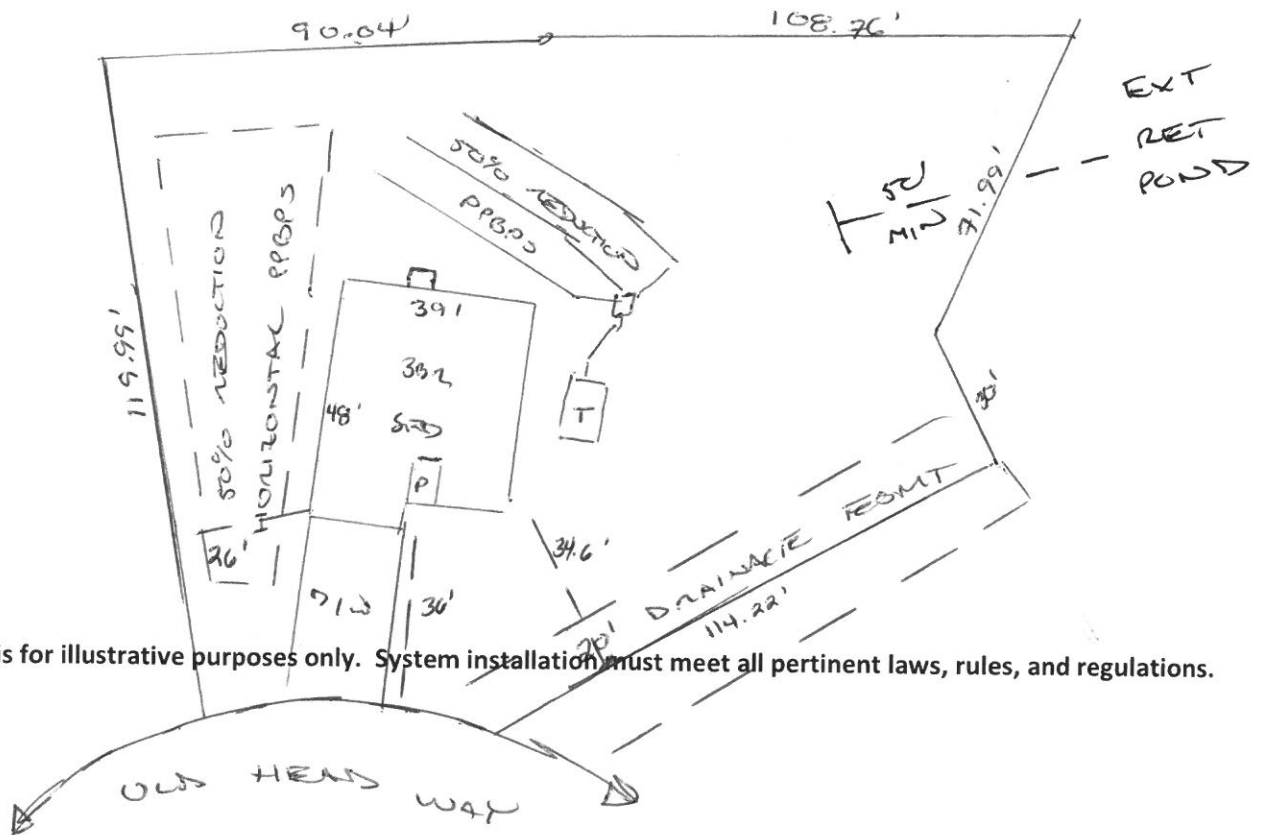
Lot # 88

Authorized State Agent: *[Signature]*

Date: 05/29/2020

ANDREW CURRIN

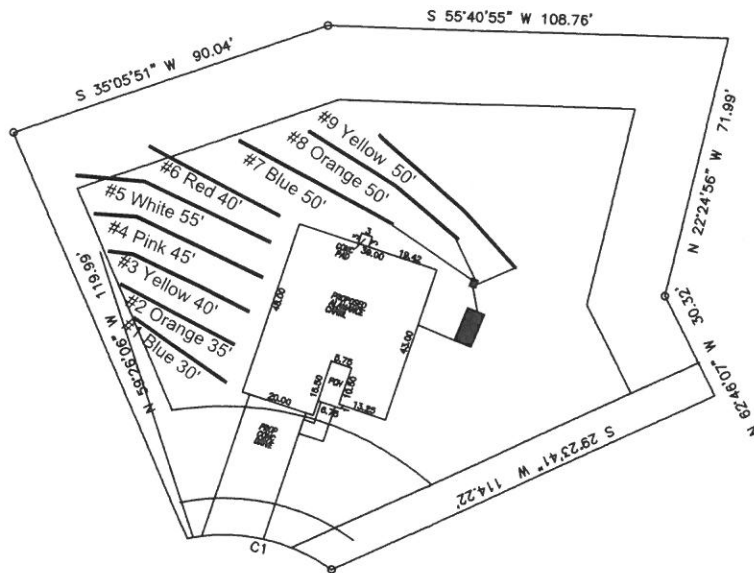
- \* PROPOSAL BY ADAMS SOIL CONSULTING
- \* GRAVITY TO D-BOX EQUAL DISTRIBUTION
- \* 50% REDUCTION HORIZONTAL PPBPS SYSTEM
- \* MEET ONSITE PRIOR TO INSTALL
- \* 50' MIN SETBACK OFF HIGH WATER LINE



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

# Avery Pond 3-Bedroom Septic Proposal Lot #88

88



Old Head Way

System: Gravity to D-Box  
 Lines: 7-9 (150')  
 0.4 LTAR  
 18" Trench Bottom  
 T&J Paneel - 50% Reduction  
 Repair: T&J Panel  
 Lines: 1-5 (150')  
 0.4 LTAR  
 18" Trench Bottom  
 T&J Paneel - 50% Reduction

GRAPHIC SCALE  
 1" = 50'



Adams  
 Soil Consulting  
 919-414-6761  
 Job #708

**Avery Pond**

**Lot #88**

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	Blue			3.7	98.3	30	not used
2	Orange			4.1	97.9	35	30
3	Yellow			4.4	97.6	43	30
4	Pink			4.7	97.3	48	45
5	White			5.1	96.9	55	55
6	Red			5.5	96.5	50	50
7	Blue			5.9	96.1	50	50
8	Orange			6.3	95.7	50	50
9	Yellow			6.8	95.2	50	50

**System**

**Repair**

**System Type**

Lines 7-9

Lines 2-5

T&J Panel

T&J Panel

50% Reduction System

50% Reduction System

Suggested Soil LTAR

0.40

0.40

Total Line Length

150

160

Square Footage

450

480

Proposed Trench Bottom

18"

18"

Distribution Method

Gravity to D-Box

Pump