

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: 170 Old Head Way (Chalybeate Rd. SR 1
 SUBDIVISION Avery Pond PH IIIc LOT # 90

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: 170 Old Head Way (Chalybeate Rd. SR
 SUBDIVISION Avery Pond PH IIIc LOT # 90

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

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>3</u>	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size <u>1000</u> gallons	Exact length of each trench <u>60</u> feet	Soil Cover: <u>6</u> inches
<u>[MAY NOT BE REQ.]</u>	Trenches shall be installed on contour at a	(Maximum soil cover shall not exceed
	Maximum Trench Depth of: <u>20</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: Reference Attached Soil Scientist Proposal

**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 WARIN Construction Authorization Expiration Date: 05/29/2025

Harnett County Department of Public Health Site Sketch

Property Location: 170 Old Head Way (Chalybeate Road - SR 1429)

Issued To: LGI Homes NC LLC

Subdivision Avery Pond PH IIIc

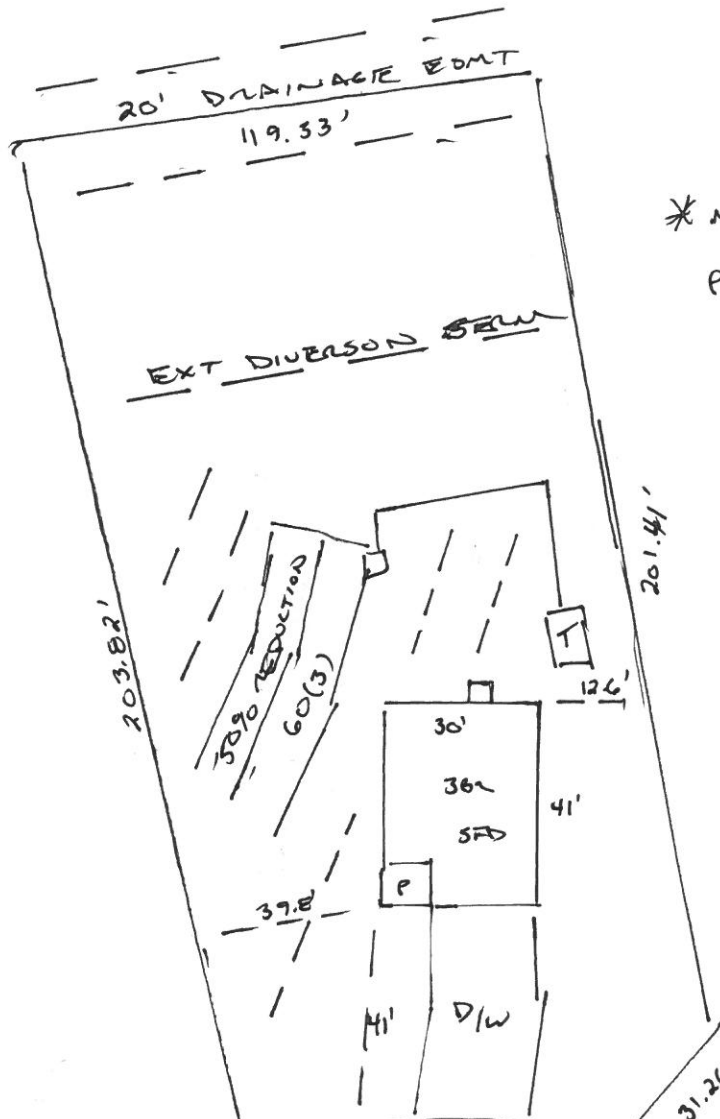
Lot # 90

Authorized State Agent: *[Signature]*

Date: 05/29/2020

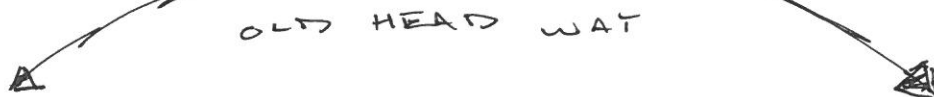
ANDREW CURRIN

- * PROPOSAL BY ADAMS SOIL CONSULTING
- * GRAVITY TO D-BOX EQUAL DISTRIBUTION
- * 50% REDUCTION HORIZ. PPBPS SYS.

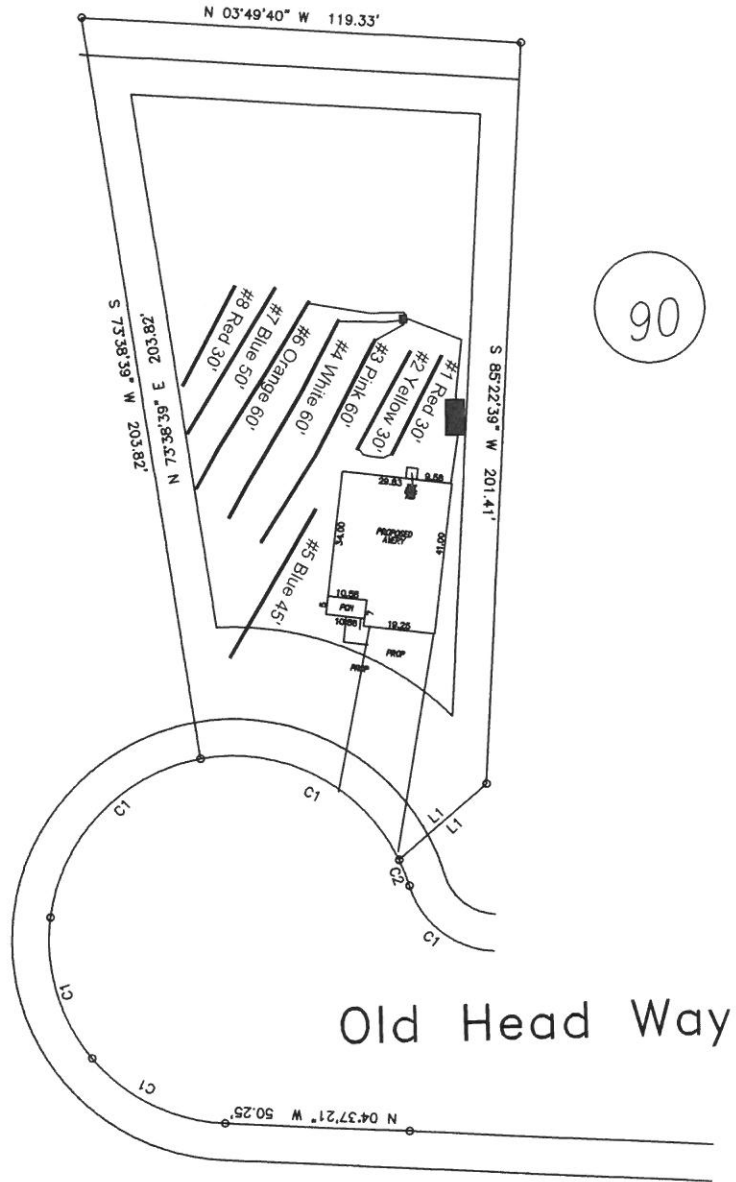


* MEET ON SITE *
PUGH TO
INSTALL

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



Avery Pond 3-Bedroom Septic Proposal Lot #90



90

Old Head Way

System: Gravity D-Box
 Lines: 3-4,6 (180')
 0.35 LTAR
 20" Trench Bottom
 T&J Panel - 50%Reduction System
 Repair: Pressure Manifold
 Lines: 5-7 (180')
 0.35 LTAR
 20" Trench Bottom
 T&J Panel - 50% Reduction System

GRAPHIC SCALE
 1" = 50'



Adams
 Soil Consulting
 919-414-6761
 Job #708

Avery Pond
Lot #90

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>Red</i>			<i>1.2</i>	<i>100.8</i>	<i>30</i>	<i>30</i>
<i>2</i>	<i>Yellow</i>			<i>1.8</i>	<i>100.2</i>	<i>30</i>	<i>30</i>
<i>3</i>	<i>Pink</i>			<i>2.3</i>	<i>99.7</i>	<i>95</i>	<i>60</i>
<i>4</i>	<i>White</i>			<i>2.8</i>	<i>99.2</i>	<i>83</i>	<i>60</i>
<i>5</i>	<i>Blue</i>			<i>2.3</i>	<i>99.7</i>	<i>45</i>	<i>45</i>
<i>6</i>	<i>Orange</i>			<i>3.2</i>	<i>98.8</i>	<i>70</i>	<i>60</i>
<i>7</i>	<i>Blue</i>			<i>3.5</i>	<i>98.5</i>	<i>50</i>	<i>50</i>
<i>8</i>	<i>Red</i>			<i>3.8</i>	<i>98.2</i>	<i>35</i>	<i>30</i>

System

Repair

System Type

Lines 3-4, 6
T&J Panel
50% Reduction System

Lines 1-2, 5, 7-8
T&J Panel
50% Reduction System

Suggested Soil LTAR

0.35

0.35

Total Line Length

180

185

Square Footage

540

555

Proposed Trench Bottom

20"

20"

Distribution Method

Gravity to D-Box

Pressure
Manifold