

# 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: 83 Waterville Way (Chalyhoke Rd.) <sup>S21429</sup>  
 SUBDIVISION: Avery Pond III D LOT # 144  
 NEW  REPAIR  EXPANSION   
 Type of Structure: 4-Bedroom 36'x46' 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: \_\_\_\_\_ Permit valid for:  Five years  No expiration

Authorized State Agent: [Signature] Date: 03/09/2020 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: 83 Waterville Way (Chalyhoke Rd.) <sup>S21429</sup>  
 SUBDIVISION: Avery Pond III D LOT # 144  
 Facility Type: 4Bn 36'x46' 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   
50% P2025 Sptn 45' Pipe (Repair)  
 Installation Requirements/Conditions  
 Septic Tank Size 1000 gallons Number of trenches 1  
 Pump Tank Size \_\_\_\_\_ gallons Exact length of each trench 340 feet Trench Spacing: 9 Feet on Center  
 Trenches shall be installed on contour at a Soil Cover: 6 inches  
 Maximum Trench Depth of: 18 inches (Maximum soil cover shall not exceed 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  
 \_\_\_\_\_ inches above pipe  
 \_\_\_\_\_ 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: 03/09/2020  
ANDREW CORRIE Construction Authorization Expiration Date: 03/09/2025

Application # SFD20152-0009

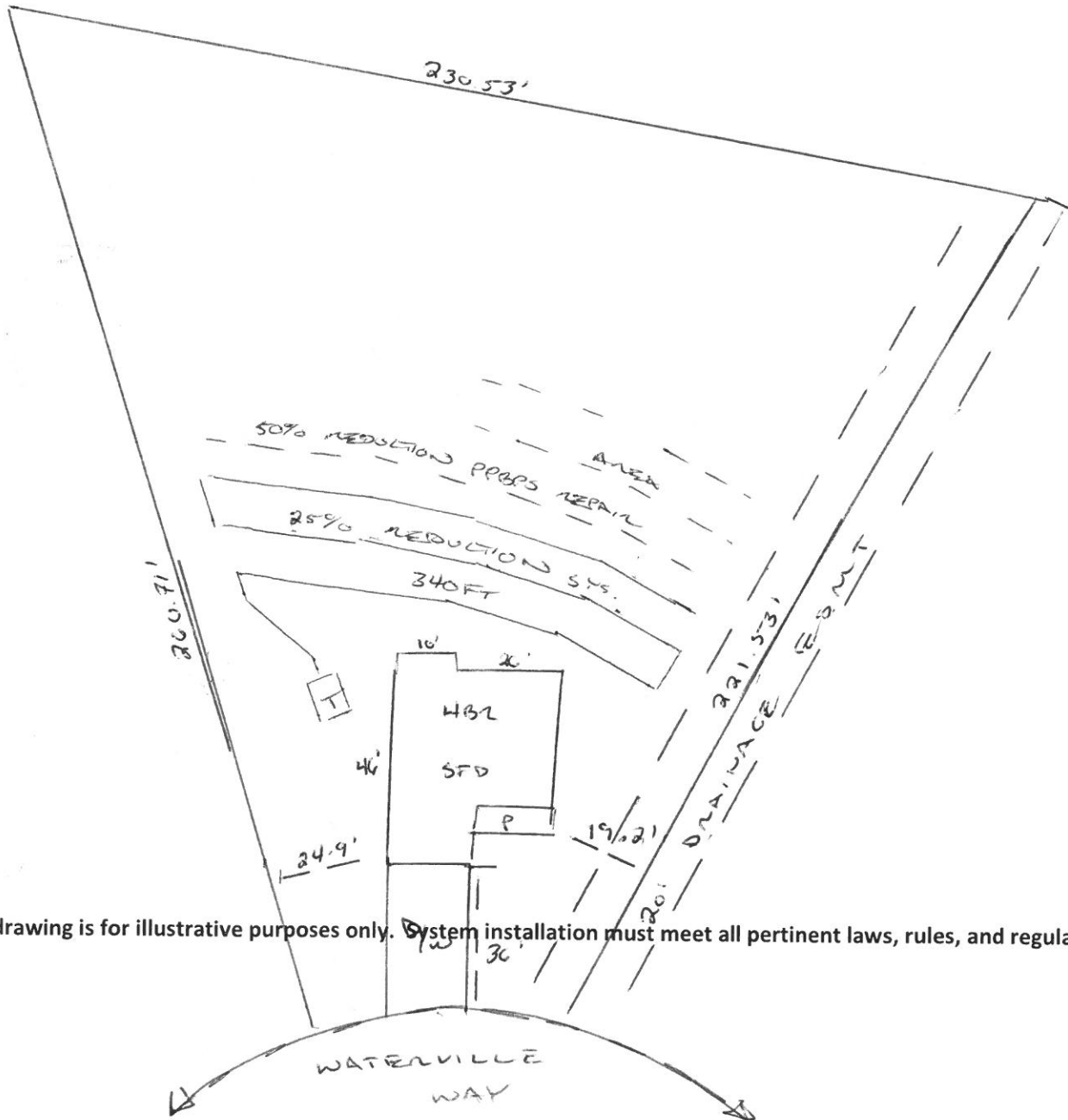
## Harnett County Department of Public Health Site Sketch

Property Location: 83 Waterville Way (Chapline Road - S 2 1/4 29)

Issued To: LGT Homes LLC Subdivision Avey Pond II D Lot # 144

Authorized State Agent: *Andrew Curran* Date: 03/09/2028  
ANDREW CURRAN

- \* GRAVITY TO SERIAL DISTRIBUTION
- \* PROPOSAL BY ADAMS SOIL CONSULTING
- \* GRAVITY TO D-BOY W/ THREE (3) 115FT LINES PERMISSIBLE IF AVAILABLE SPACE



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

**Avery Pond**

**Lot #144**

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	Red			1.7	100.3	100	100
2	Pink			3.5	98.5	115	115
3	Blue			4.9	97.1	125	125
	Yellow			6.5	95.5	133	130
4	White			7.3	94.7	50	50
5	Orange			8.9	93.1	50	50
Total						573	570

**System**

**Repair**

Lines 1-3

Lines 4-6

**System Type**

Accepted Status System  
EZ-FLOW

50% Reduction System  
T&J Panel

Suggested Soil LTAR

0.35

0.35

**Total Line Length**

340

230

**Square Footage**

1020

690

**Proposed Trench Bottom**

18"

18"

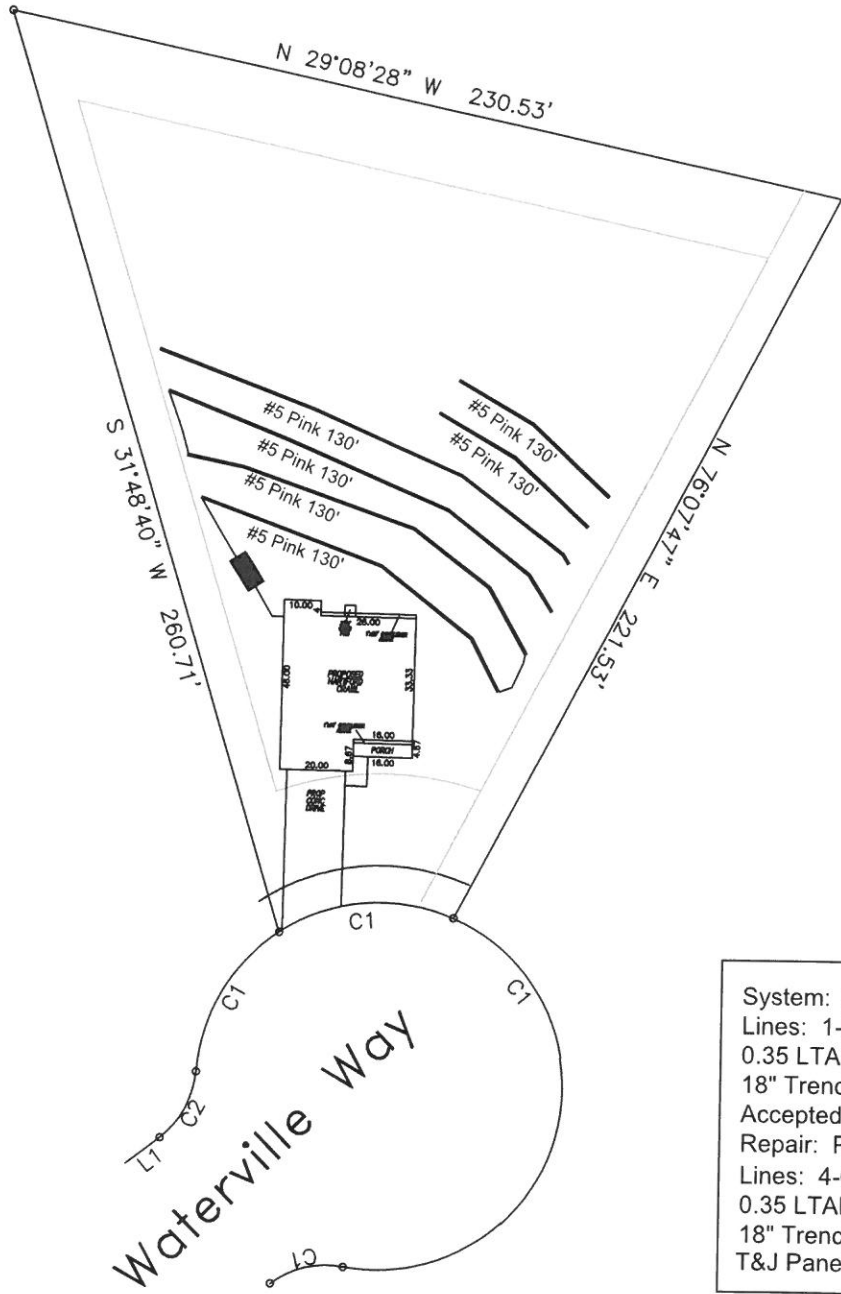
**Distribution Method**

Gravity to  
Serial  
Distribution

Pressue  
Manifold

# Avery Pond 4-Bedroom Septic Proposal Lot #144

144



System: Gravity serial distribution  
 Lines: 1-3 (340')  
 0.35 LTAR  
 18" Trench Bottom  
 Accepted Status System  
 Repair: Pressure Manifold  
 Lines: 4-6 (230')  
 0.35 LTAR  
 18" Trench Bottom  
 T&J Panel - 50% Reduction System

GRAPHIC SCALE  
 1" = 50'



Adams  
 Soil Consulting  
 919-414-6761  
 Job #708