

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: 176 Old Head Way (Chalybeate Rd. SR 1
 SUBDIVISION Avery Pond PH IIIc LOT # 89
 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
 Permit conditions: _____ No expiration

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: 176 Old Head Way (Chalybeate Rd. SR
 SUBDIVISION Avery Pond PH IIIc LOT # 89
 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 1000 gallons Number of trenches 3
 Pump Tank Size 1000 gallons Exact length of each trench 60 feet Trench Spacing: 9 Feet on Center
 Trenches shall be installed on contour at a Soil Cover: 6 inches
 Maximum Trench Depth of: 20 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 Aggregate Depth: NA inches below pipe
 Conditions: Reference Attached Soil Scientist Proposal NA inches above pipe
NA 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 WYAN Construction Authorization Expiration Date: 05/29/2025

Harnett County Department of Public Health Site Sketch

Property Location: 176 Old Head Way (Chalybeate Road - SR 1429)

Issued To: LGI Homes NC LLC

Subdivision Avery Pond PH IIIc

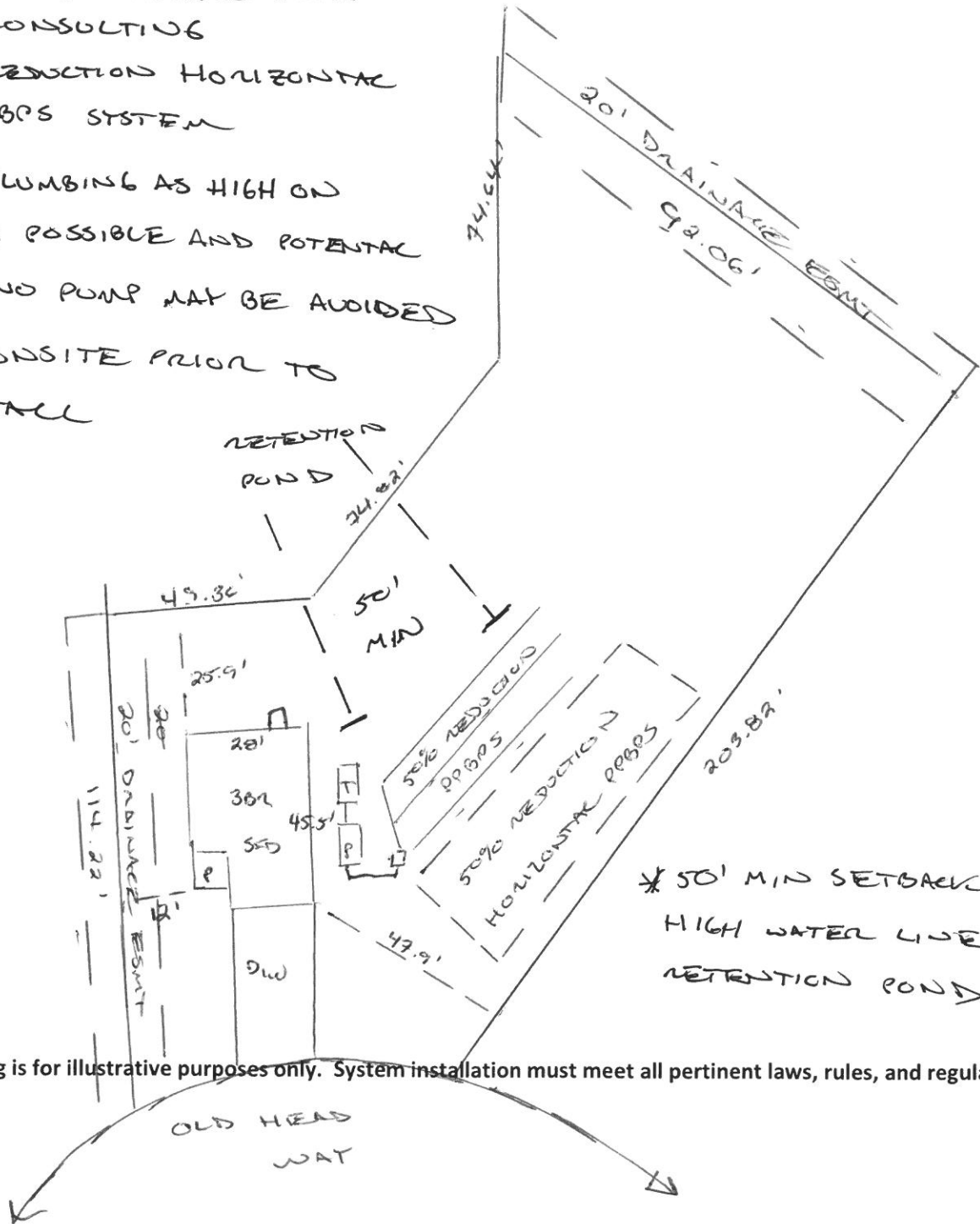
Lot # 89

Authorized State Agent: _____

Andrew Curran
ANDREW CURRAN

Date: 05/29/2020

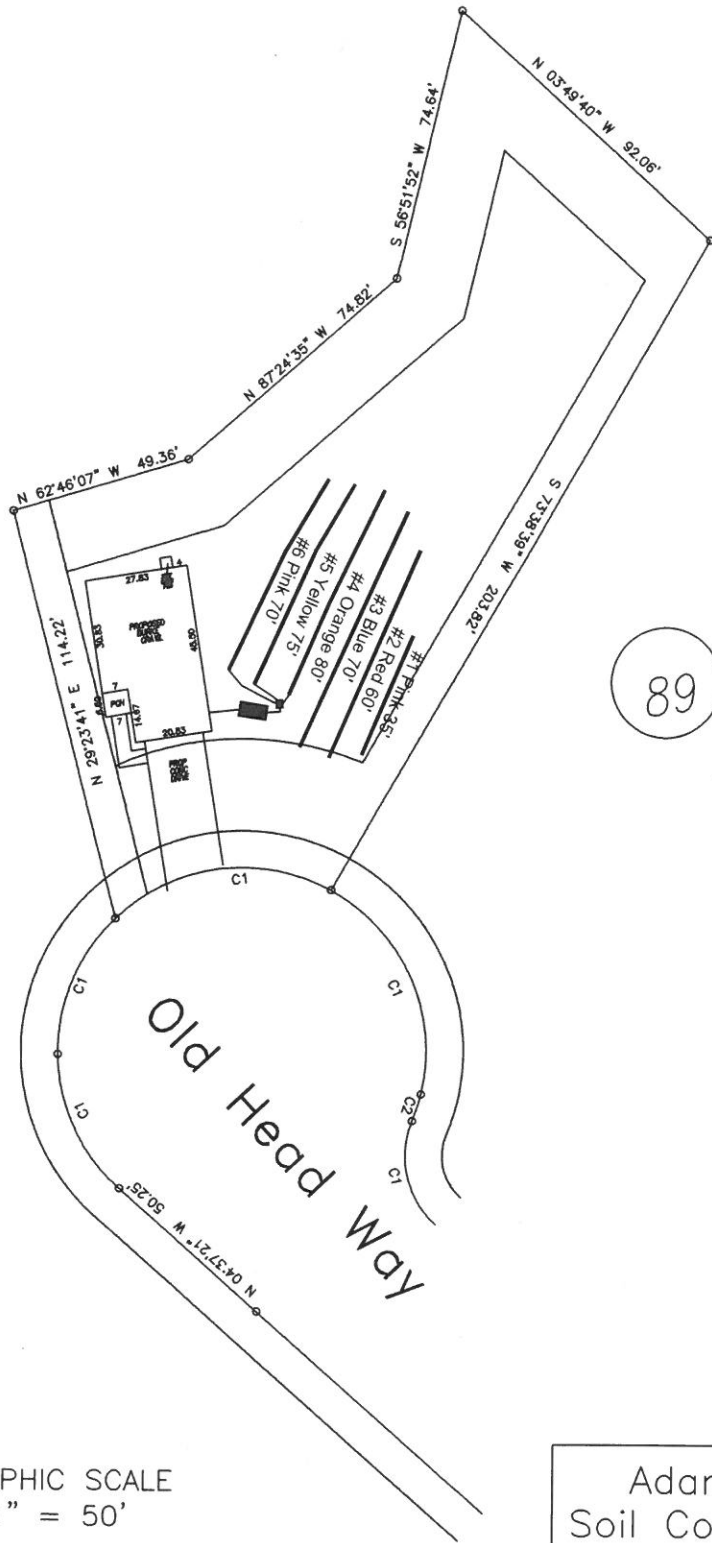
- * PROPOSAL BY ADAMS SOIL CONSULTING
- * 50% REDUCTION HORIZONTAL PPBPS SYSTEM
- * STUB PLUMBING AS HIGH ON SFD AS POSSIBLE AND POTENTIAL FOR NO PUMP MAY BE AVOIDED
- * MEET ON SITE PRIOR TO INSTALL



* 50' MIN SETBACK OFF HIGH WATER LINE OF RETENTION POND

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

Avery Pond 3-Bedroom Septic Proposal Lot #89



System: Gravity to D-Box
 Lines: 4-6 (180')
 0.35 LTAR
 20" Trench Bottom
 50% Reduction - T&J Panel System
 Repair: Pressure Manifold
 Lines: 1-3 (165')
 0.35 LTAR
 20" Trench Bottom
 T&J Panel System

GRAPHIC SCALE
 1" = 50'



Adams
 Soil Consulting
 919-414-6761
 Job #708

Avery Pond

Lot #89

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>Pink</i>			<i>3.4</i>	<i>98.6</i>	<i>35</i>	<i>35</i>
<i>2</i>	<i>Red</i>			<i>4</i>	<i>98</i>	<i>60</i>	<i>60</i>
<i>3</i>	<i>Blue</i>			<i>4.8</i>	<i>97.2</i>	<i>70</i>	<i>70</i>
<i>4</i>	<i>Orange</i>			<i>5.7</i>	<i>96.3</i>	<i>60</i>	<i>60</i>
<i>5</i>	<i>Yellow</i>			<i>6</i>	<i>96</i>	<i>60</i>	<i>60</i>
<i>6</i>	<i>Pink</i>			<i>6.4</i>	<i>95.6</i>	<i>60</i>	<i>60</i>

System

Repair

Lines 4-6

Lines 1-3

System Type

T&J Panel

T&J Panel

50% Reduction System

50% Reduction System

Suggested Soil LTAR

0.35

0.35

Total Line Length

180

165

Square Footage

540

495

Proposed Trench Bottom

20"

20"

Distribution Method

Gravity to D-
Box

Pressure
Manifold