

## Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: D.R. Horton Inc. PROPERTY LOCATION: 126 Long Meadow Ln. (Baptist Grove Rd.)  
 SUBDIVISION Lafayette Meadows LOT # 7  
 NEW  REPAIR  EXPANSION  Site Improvements required prior to Construction Authorization Issuance:  
 Type of Structure: 46x38(4bed/2.5ba) 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 valid for:  Five years  
 Permit conditions: \_\_\_\_\_  No expiration

Authorized State Agent: [Signature] Date: 11/22/2021 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: D.R. Horton Inc. PROPERTY LOCATION: 126 Long Meadow Ln. (Baptist Grove Rd.)  
 SUBDIVISION Lafayette Meadows LOT # 7  
 Facility Type: 46x38(4bed/2.5ba) SFD  New  Expansion  Repair  
 Basement?  Yes  No Basement Fixtures?  Yes  No  
 Type of Wastewater System\*\* Pump to 25% Reduction System (Initial) Wastewater Flow: 480 GPD  
 (See note below, if applicable  Pump to 25% Reduction System (Repair))  
 Installation Requirements/Conditions:  
 Septic Tank Size 1000 gallons Number of trenches 3  
 Pump Tank Size 1000 gallons Exact length of each trench 400 (total) feet Trench Spacing: 9 Feet on Center  
 Trenches shall be installed on contour at a Soil Cover: 6-12 inches  
 Maximum Trench Depth of: 18-24 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  
 \_\_\_\_\_ inches above pipe  
 Conditions: Proposal by Hal Owens Assoc. Inc., Pressure Manifold 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: 11/22/2021  
ANDREW CORREIA Construction Authorization Expiration Date: 11/22/2026

# Harnett County Department of Public Health Site Sketch

Property Location: 126 Long Meadow Ln. (Baptist Grove Rd. - SR 1427)

Issued To: D.R. Horton Inc.

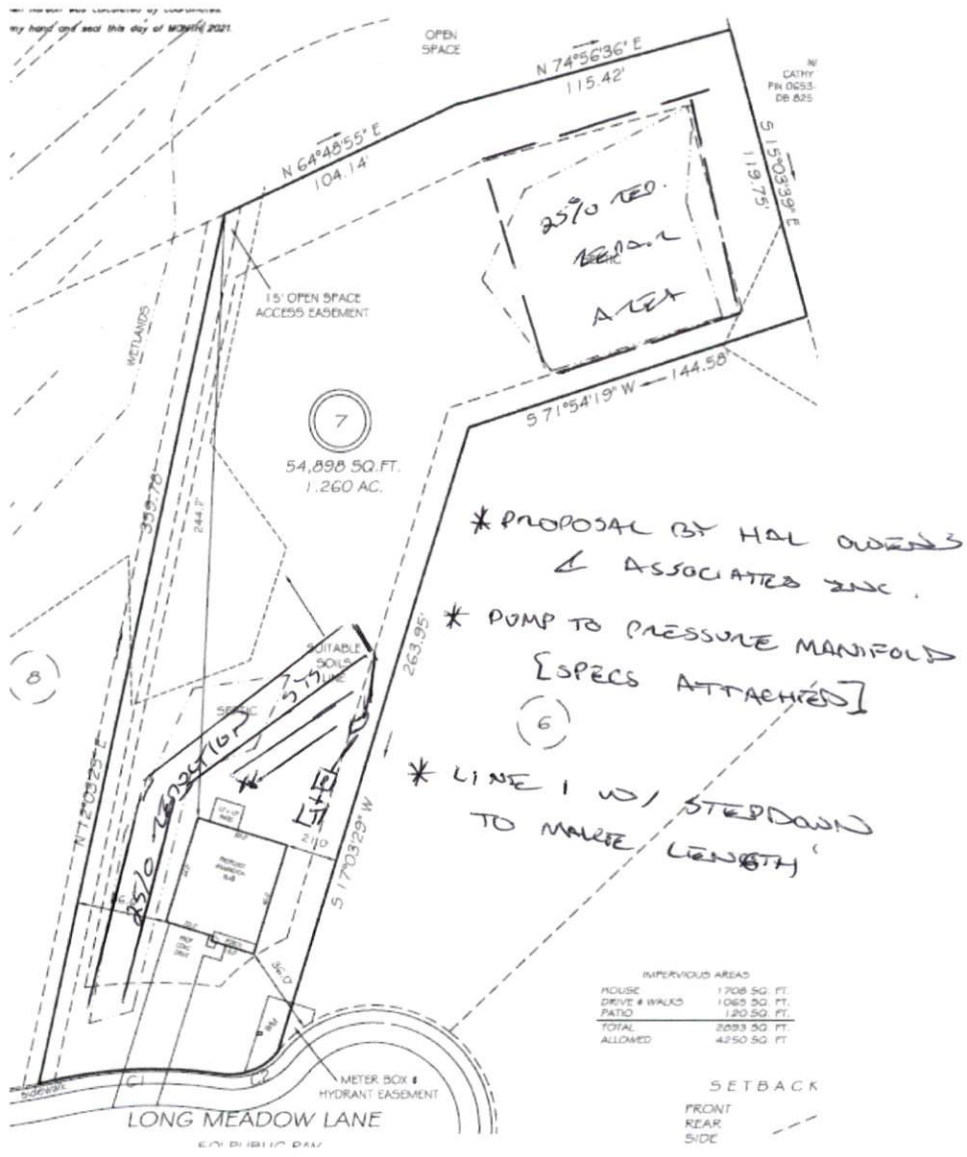
Subdivision Lafayette Meadows

Lot # 7

Authorized State Agent: \_\_\_\_\_

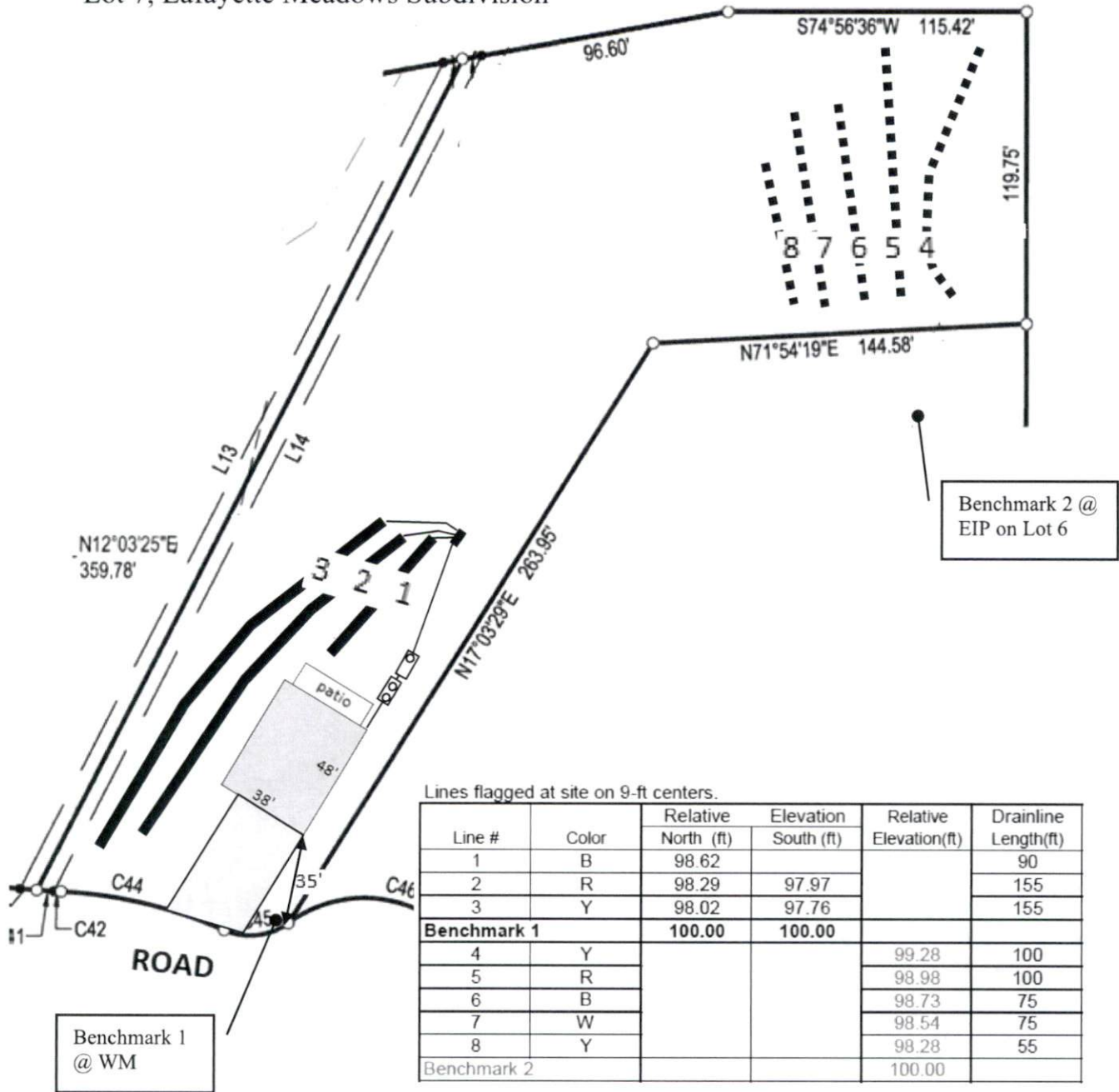
*Andrew Wilson*  
ANDREW WILSON

Date: 11/22/2021



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


Lot 7, Lafayette Meadows Subdivision



Benchmark 1 @ WM

Benchmark 2 @ EIP on Lot 6



Scale 1 in = 60 ft  
  
 Distances are paced and approximate.  
 Not a survey.

This design represents our professional opinion but does not guarantee or represent permit approval by the Health Department.

4 bedroom home (480 gal/day)  
Initial System  
 Pump to 400ft (pressure manifold distribution)  
 Accepted Status System (25% reduction drainlines) installed off contour at 18-24 inch trench depth  
 LTAR 0.3 gal/day/sqft  
Repair System  
 Pump to 400ft (pressure manifold distribution)  
 Accepted Status System (25% reduction drainlines) installed on contour at 18-24 inch trench depth  
 LTAR 0.3 gal/day/sqft

**Lafayette Meadows Lot 7**

**Pressure Manifold Design Criteria**

**Initial System**

Line Number	Line Color	Elevation	Drainline Length(ft)	Tap Size/Schedule	Flow/tap (gpm)	gpd/ft	LTAR (gpd/sqft)
1	B	98.62	90	1/2"sch 40	7.11	1.181	0.394
2	R	98.29	155	3/4"sch 40	12.50	1.206	0.402
3	Y	98.02	155	3/4"sch 40	12.50	1.206	0.402

Total Drainline= 400      Total Flow= 32.11

Pressure Head (ft)= 2      Target LTAR\* (gpd/sf)= 0.4      LTAR + 5% 0.420

Daily Flow= 480      Total Flow (gpm)= 32.11      Daily PRT(min)= 14.95

Dose Vol= 195.90 gallons w/ Pipe Vol @% 75      Dose PRT (min)= 6.10

**Repair System**

Line Number	Line Color	Elevation	Drainline Length(ft)	Tap Size/Schedule	Flow/tap (gpm)	gpd/ft	LTAR (gpd/sqft)
4	Y	99.28	100	3/4"sch 80	10.10	1.215	0.405
5	R	98.98	100	3/4"sch 80	10.10	1.215	0.405
6	B	98.73	75	1/2"sch 40	7.11	1.140	0.380
7	W	98.6	75	1/2"sch 40	7.11	1.140	0.380
8	Y	98.28	55	1/2"sch 80	5.48	1.199	0.400

Total Drainline= 405      Total Flow= 39.90

Pressure Head (ft)= 2      Target LTAR\* (gpd/sf)= 0.4      LTAR + 5% 0.42

Daily Flow= 480      Total Flow (gpm)= 39.90      Daily PRT(min)= 12.03

Dose Vol= 198.35 gallons w/ Pipe Vol @% 75      Dose PRT (min)= 4.97

\* Target LTAR: Convert LTAR for accepted system drainlines by dividing soil LTAR by 75%