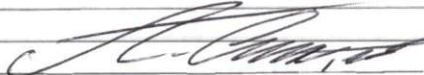


Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: D.R. Horton Inc. PROPERTY LOCATION: 71 Old Maple Ct. (Baptist Grove Rd. - SR ')
 SUBDIVISION Lafayette Meadows LOT # 21
 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 conditions: _____ Permit valid for: Five years
 No expiration

Authorized State Agent:  Date: 11/23/2021 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: 71 Old Maple Ct. (Baptist Grove Rd. - S)
 SUBDIVISION Lafayette Meadows LOT # 21
 Facility Type: 46x38(4bed/2.5ba) 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
25% Reduction System (Repair)

<u>Installation Requirements/Conditions</u>	Number of trenches <u>4</u>	Trench Spacing: <u>9</u> Feet on Center
Septic Tank Size <u>1000</u> gallons	Exact length of each trench <u>100</u> feet	Soil Cover: <u>6-12</u> inches
Pump Tank Size _____ gallons	Trenches shall be installed on contour at a Maximum Trench Depth of: <u>18-24</u> inches (Trench bottoms shall be level to +/-1/4" in all directions)	(Maximum soil cover shall not exceed 36" above the trench bottom)
Pump Requirements: _____ ft. TDH vs. _____ GPM		Aggregate Depth: <u>NA</u> inches below pipe <u>NA</u> inches above pipe <u>NA</u> inches total


 Conditions: Proposal by Hal Owens Assoc. Inc.,

**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:  Date: 11/22/2021
ANDREW CORNELL Construction Authorization Expiration Date: 11/22/2026

Application # SFD2110-0117

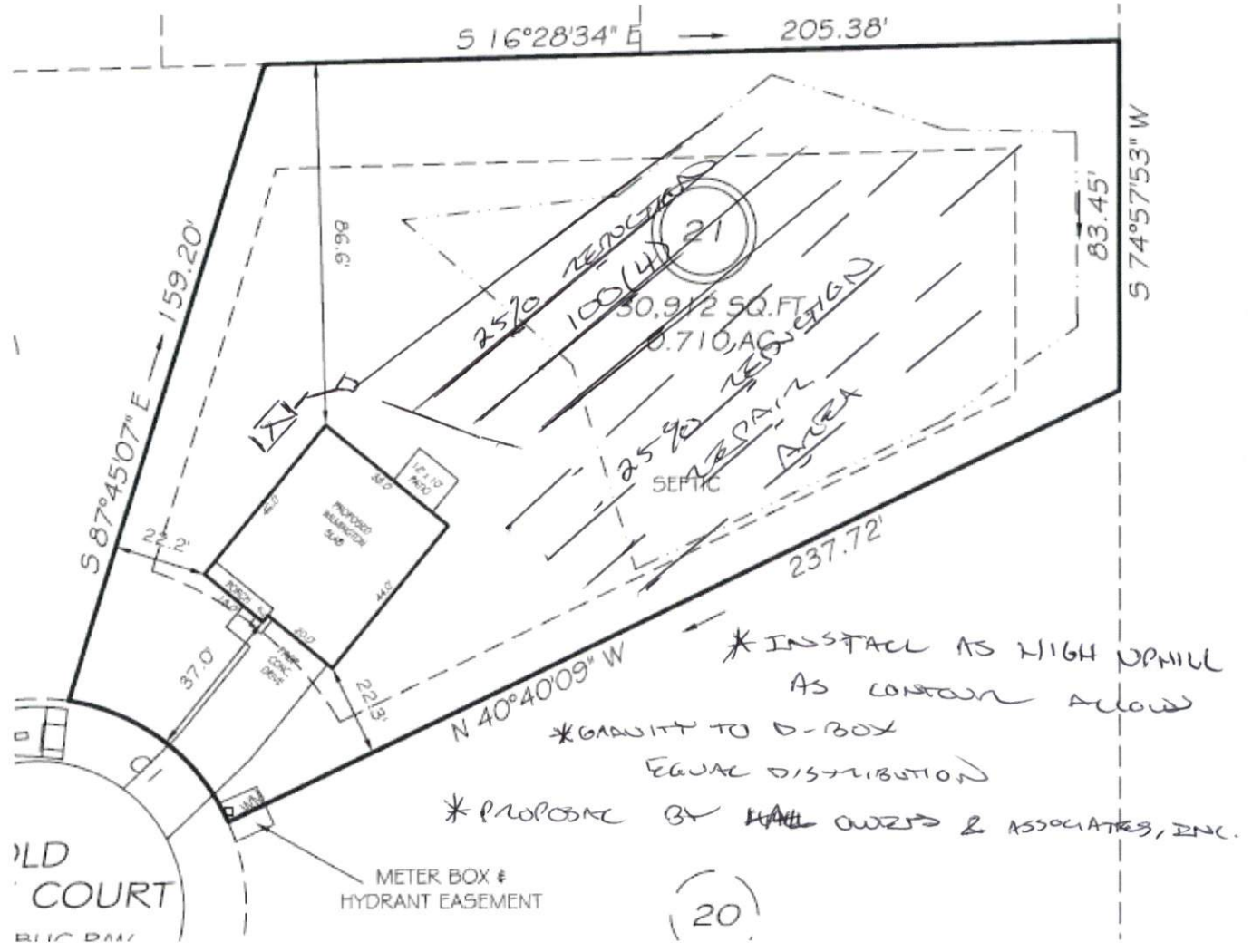
Harnett County Department of Public Health Site Sketch

Property Location: 71 Old Maple Ct. (Baptist Grove Rd. - SR 1427)

Issued To: D.R. Horton Inc. Subdivision Lafayette Meadows Lot # 21

Authorized State Agent: [Signature] Date: 11/22/2021

ANDREA WOOD



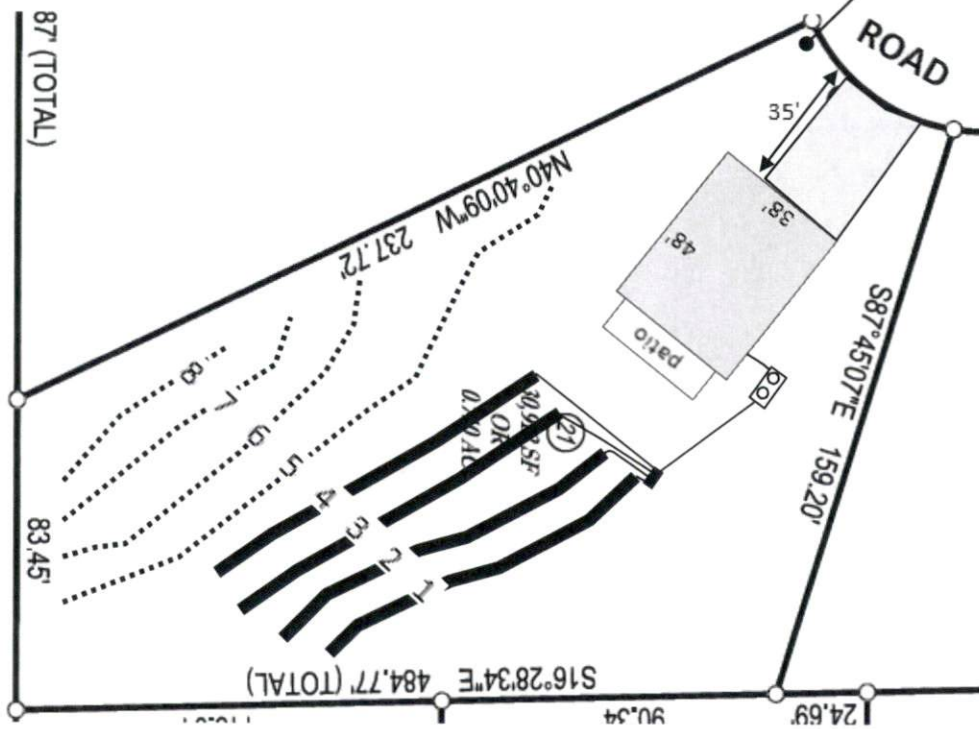
This drawing is for illustrative purposes only. System installation must meet all pertinent laws, rules, and regulations.

Lot 21, Lafayette Meadows Subdivision

Lines flagged at site on 9-ft centers.

Line #	Color	Relative Elevation (ft)	Drainline Length(ft)	Field Length(ft)
1			100	
2	Y	99.44	100	145
3	B	99.03	100	145
4	W	98.72	100	179
5	R	98.35	166	166
6	Y	97.9	106	106
7	B	97.58	79	79
8	W	97.27	49	49
Benchmark		100.00		

Benchmark @
water meter



Scale 1 in = 50 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

Gravity to 4 X 100ft
Accepted Status System (25% reduction drainlines)
installed on 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 21

Pressure Manifold Design Criteria

Repair System

Line Number	Line Color	Elevation	Drainline Length(ft)	Tap Size/Schedule	Flow/tap (gpm)	gpd/ft	LTAR (gpd/sqft)
5	R	98.35	165	1"sch 40	20.20	1.217	0.406
6	Y	97.9	106	3/4"sch 40	12.50	1.172	0.391
7	B	97.58	80	3/4"sch 80	10.10	1.255	0.418
8	W	97.27	49	1/2"sch 80	5.48	1.112	0.371

Total Drainline= 400 Total Flow= 48.28

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

Daily Flow= 480 Total Flow (gpm)= 48.28 Daily PRT(min)= 9.94

Dose Vol= 195.90 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 4.06

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