



## HARNETT COUNTY ENVIROMENTAL HEALTH

File/Permit #: SFD2505-0213

CDP #:

## IMPROVEMENT PERMIT (IP)

☒ New☐ Expansion☐ Repair☐ System Relocation☐ Change of Use

Owner: HHHUNT LOT ACQUISITIONS LLC

Applicant: HHHUNT LOT ACQUISITIONS LLC

Property Location: 120 WHITE MAGNOLIA LN FUQUAY-VARINA, NC 27526

PIN/Lot Identifier: 0633-04-5195.000

Subdivision: Magnolia Acres

Lot #: 36

Block:

Section:

Facility Type: SFD 39.5' x 39.5'

Number of bedrooms: 4

Number of Occupants: 8

Other:

Design Daily Flow: 480

GPD

LTAR (Initial): .3

gpd/ft<sup>2</sup>

LTAR (Repair): .3

gpd/ft<sup>2</sup>

Wastewater System Type: 25% Reduction System

(Initial)

Pump Required: ☒ Yes ☐ No ☐ May be required

Usable Depth to Limiting Condition (Initial): 48"

Wastewater System Type: 25% Reduction System

(Repair)

Pump Required: ☒ Yes ☐ No ☐ May be required

Usable Depth to Limiting Condition (Repair): 43"

Effluent Standard:

☒ DSE☐ HSE☐ Other:

Type of Water Supply:

☐ Private well☒ Municipal Supply☐ Other:

## Permit conditions:

No Foundation or Gutter Drains Directed Towards Septic System

No Cutting or Grading of Soil in Septic or Septic Repair Area.

The issuance of this permit 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 permit 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 15A NCAC 18E and to the conditions of this permit.

Authorized Agent's Printed Name: Ren Levocz

Date: 06/25/2025

Authorized Agent's Signature:

Expiration Date: 06/25/2030

## CONSTRUCTION AUTHORIZATION (CA)

☒ New☐ Expansion☐ Repair☐ System Relocation☐ Change of Use

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gpd/ft<sup>2</sup>

Effluent Standard:

☒ DSE☐ HSE☐ Other:

Type of Water Supply:

☐ Private well☒ Municipal Supply☐ Other:

## Installation Requirements/Conditions

Wastewater System Type: 25% Reduction System

Pump Required: ☐ Yes ☐ No ☐ May be required

Septic Tank Size: 1,000

gallons

Total Trench Length: 410'

feet

Trench Spacing: 9'

feet on center

Pump Tank Size: 1,000

gallons

Maximum Trench Depth: 18"-28"

inches

Soil Cover: 6"

inches

Trench Width: 36"

inches

Distribution Method: ☐ Serial☐ D-Box or Parallel☒ Pressure Manifold☐ Other:Artificial Drainage Required: Yes ☐No ☒ If yes, please specify details:Management Entity Required: ☐ Yes☒ No Minimum O&M Requirements:

## Permit conditions:

No Foundation or Gutter Drains Directed Towards Septic System

No Cutting or Grading of Soil in Septic or Septic Repair Area.

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.

Authorized Agent's Printed Name: Ren Levocz

Date: 06/25/25

Authorized Agent's Signature:

Expiration Date: 06/25/2030

Owner/Legal Representative Signature:

Date:

\*See attached site sketch

**Harnett County Environmental Health**

**SITE SKETCH**

PIN 0633-04-5195.000

Permit Number SFD2505-0213

HHHUNT LOT ACQUISTIONS LLC

Magnolia Acres Lot 36

Applicant's Name

Subdivision/Section/Lot Number

Ren Levocz

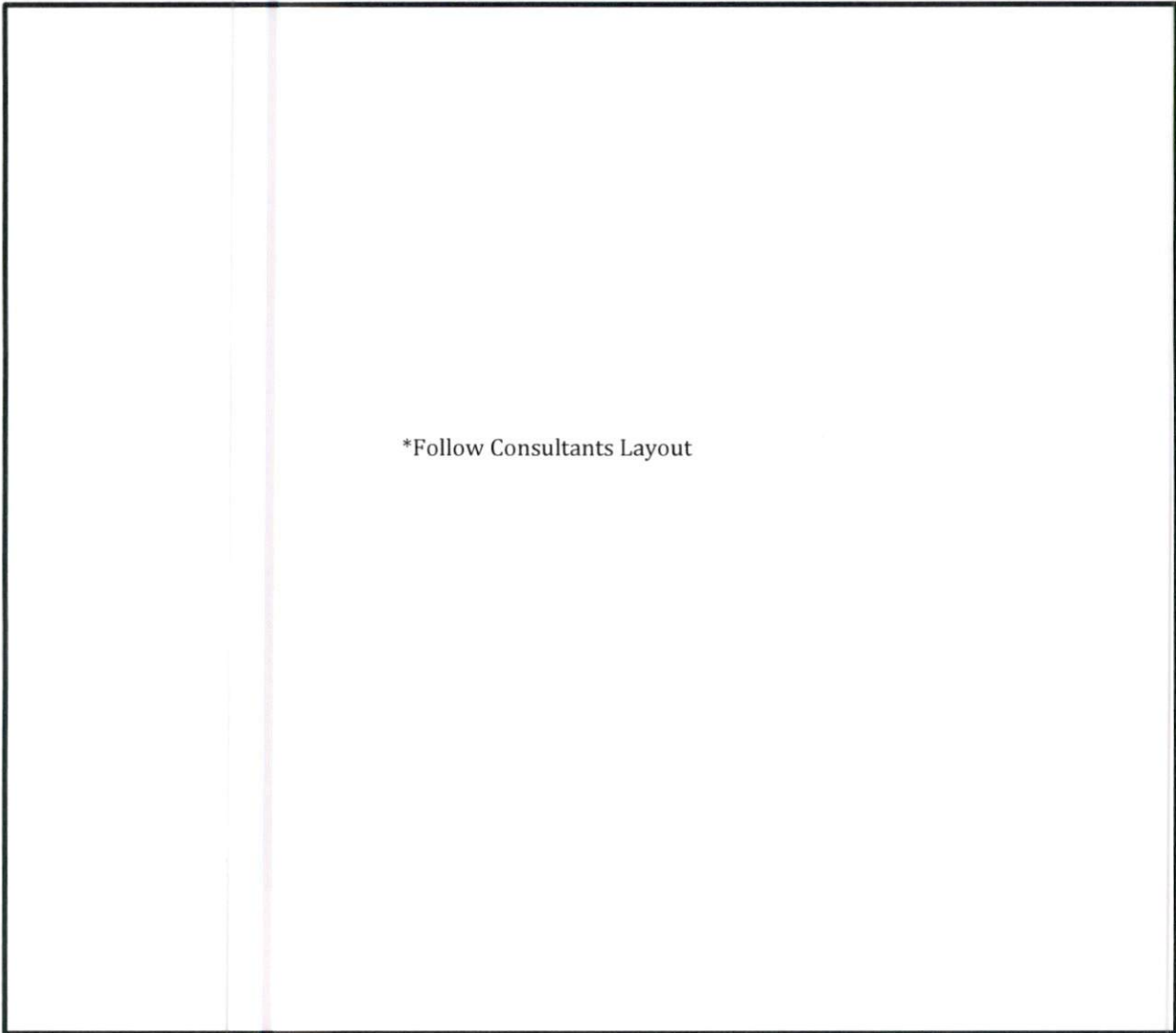
06/25/2025

Authorized State Agent

Date

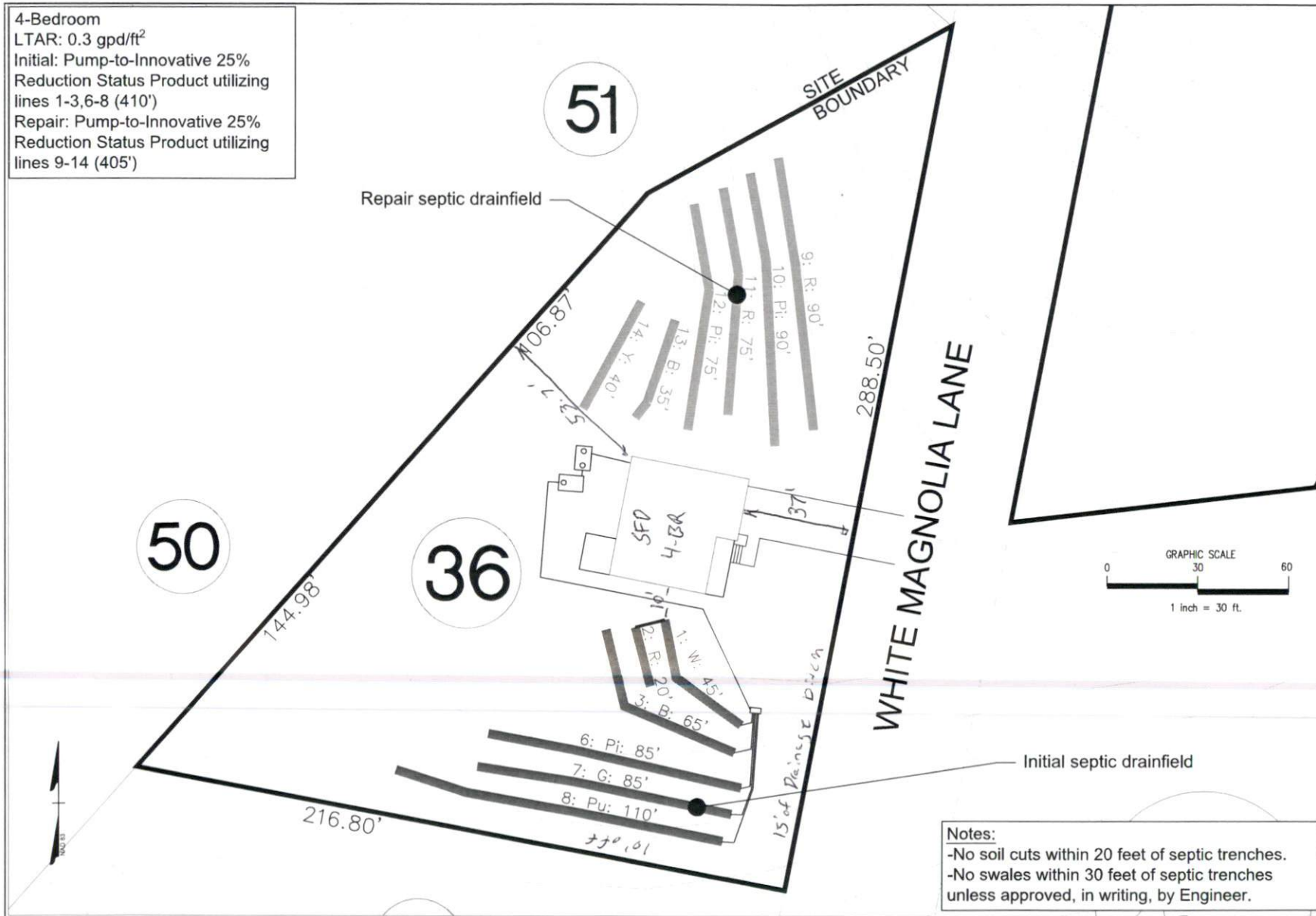
System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to ensure that the proper grade is maintained.

Scale = NTS



\*Follow Consultants Layout

4-Bedroom  
 LTAR: 0.3 gpd/ft<sup>2</sup>  
 Initial: Pump-to-Innovative 25%  
 Reduction Status Product utilizing  
 lines 1-3,6-8 (410')  
 Repair: Pump-to-Innovative 25%  
 Reduction Status Product utilizing  
 lines 9-14 (405')



<b>MITCHELL ENVIRONMENTAL, PA</b> <b>C-2917</b> <b>1501 LAKESTONE VILLAGE LANE</b> <b>SUITE 205</b> <b>FUQUAY VARINA, NC 27526</b>	PREPARED FOR : <b>Highland Homes</b> 1501 Lakestone Village Lane Suite 205 Fuquay Varina, NC 27526	REVISION NO.	DATE	<b>SHEET NUMBER</b> <b>1 of 7</b> <b>Magnolia Acres</b> <b>Lot 36</b> <b>Overall Septic</b>
		Original Submitted	May 21, 2025	
	DATE : May 21, 2025 DESIGNER CONTACT: ADAM AYCOCK, EI DRAWN BY: ADAM AYCOCK, EI	Revision 1		
		Revision 2		
		Revision 3		
		Master Set		



## PRESSURE MANIFOLD DESIGN

Name: HHHunt Homes P.I.N. #: 0633-04-5195 D #: N/A

Address: 120 White Magnolia Lane Subdiv: Magnolia Acres Lot#: 36

# of BDR: 4 Daily Flow: 480 gal/day L.T.A.R.: 0.300 gal/day/sq.ft

Septic Tank: 1000 gals (min.) Pump Tank: 1000 gals (min.) Sq. Foot: 1230 Stone Depth: N/A  
(EZ Flow)

Number of Taps: 5 Length of Trenches: Varies ft(See Tap Chart for Details)

Depth of Trenches: see Harnett County permit Manifold Length: 48 in

Manifold Diameter: 4 in sch 80pvc (minimum) Tap Configuration: 6 in spacing 1 side(s) of manifold

Supply Line: length: 125 ft Diameter: 2 in sch 40pvc

Friction Loss + Fitting Loss: 5.50 ft(supply line length + 70' for fittings in pump tank)

Design Head: 2.0 ft Elevation Head: 8.30 ft

Vent Hole Size: 3/16 in Orifice Coefficient of Discharge: 0.60

Orifice Coefficient of Contraction: 0.62 Orifice Coefficient of Velocity: 0.97

Maximum Head Supplied by Selected Pump(s) at Total Design Flowrate: 20 ft

Orifice / Vent Hole Flowrate: 1.85 gpm Head Loss at Orifice / Vent Hole: 1.27 ft

Total Head: 17.07 ft Pump to Deliver: 37.13 gals/min at 17.07 ft head

Dosing Volume: 175.89 gals.

Drawdown: 175.89 gals divided by 18 gals/in = 9.77 inches

SJE Rhombus Installer Friendly Series simplex control panel, or equivalent, required  
A septic tank filter, or equal is required.

Possible pumps: Hydromatic: Goulds: Myers:  
Zoeller: 137 Other:

## TAP CHART

Bench Mark	11.81	is = 100.00	set at	Eg at 36/37 front corner			Design Head:	2.0	
Pump tank elev.		8	103.81	Pump elev.	98.81		Manifold elev.	107.11	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1 & 2	W & R	5.70	106.11	65	1/2in SCH 80	5.48	74.56	195	0.3823
3	Blue	6.53	105.28	65	1/2in SCH 80	5.48	74.56	195	0.3823
6	Pink	7.15	104.66	85	1/2in SCH 40	7.11	96.73	255	0.3794
7	Green	7.77	104.04	85	1/2in SCH 40	7.11	96.73	255	0.3794
8	Purple	8.63	103.18	110	3/4in SCH 80	10.10	137.41	330	0.4164
		total	feet =	410	gal/min =	35.3	LTAR =		0.3000
% of Pipe Vol.		66		Des. Flow	480.00		(Itar + 5%)		0.3150
Dose Volume		175.89		Pump Run=	13.61		(Itar W/ Innov.)		0.4000
Dose Pump Time		4.99		Tank Gal/IN	18		(Itar + 5%)		0.4200
Drawdown in Inches		9.77		Elev. Head	8.30				
Supply Line Length		125							
Comments:									