



## HARNETT COUNTY ENVIROMENTAL HEALTH

File/Permit #: SFD2505-0100

CDP #:

## IMPROVEMENT PERMIT (IP)

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

Owner: HHHUNT LOT ACQUISTIONS LLC

Applicant: HHHUNT LOT ACQUISTIONS LLC

Property Location: 125 WHITE MAGNOLIA LN FUQUAY-VARINA, NC 27526

PIN/Lot Identifier:

Subdivision: MAGNOLIA ACRES

Lot #: 34

Block:

Section:

Facility Type: SFD 35.75' x 38.5'

Number of bedrooms: 4

Number of Occupants: 8

Other:

Design Daily Flow: 480

GPD

LTAR (Initial): .275

gpd/ft<sup>2</sup>

LTAR (Repair): .275

gpd/ft<sup>2</sup>

Wastewater System Type: 50% T&amp;J Panel System

(Initial)

Pump Required: ☒ Yes ☐ No ☐ May be required

Usable Depth to Limiting Condition (Initial): 36"

Wastewater System Type: 50% T&amp;J Panel System

(Repair)

Pump Required: ☒ Yes ☐ No ☐ May be required

Usable Depth to Limiting Condition (Repair): 36"

Effluent Standard: ☒ DSE ☐ HSE ☐ Other:Type of Water Supply: ☐ Private well ☒ Municipal Supply ☐ Other:

## Permit conditions:

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

No foundation or Gutter Drains to be Directed Towards Septic System.

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: 06/10/2025

Authorized Agent's Signature:

Expiration Date:

## 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: 50% T&amp;J Panel System

Pump Required: ☒ Yes ☐ No ☐ May be required

Septic Tank Size: 1,000

gallons

Total Trench Length: 294'

feet

Trench Spacing: 9'

feet on center

Pump Tank Size: 1,000

gallons

Maximum Trench Depth: 18"-24"

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 Grading or Cutting of Soil in Septic or Septic Repair Area.

No foundation or Gutter Drains to be Directed Towards Septic System.

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: 06/10/25

Authorized Agent's Signature:

Expiration Date: 06/10/2030

Owner/Legal Representative Signature:

Date:

\*See attached site sketch

***Harnett County Environmental Health***

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**SITE SKETCH**

PIN 0633-04-8013.000

Permit Number SFD2505-0100

HHHUNT LOT ACQUISITIONS LLC

MAGNOLIA ACRES Lot 34

Applicant's Name

Subdivision/Section/Lot Number

Ren Levocz

06/10/2025

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: 0.275 gpd/ft<sup>2</sup>  
 Initial: Pump-to-PPBPS utilizing  
 lines 4-7 (294')  
 Repair: Pump-to-PPBPS utilizing  
 lines 1-3 (294')

WHITE MAGNOLIA LANE

236.50'

124.86'

1: Pu: 83'

2: R: 83'

3a: Y: 83'

3b: Y: 45'

4: Pi: 83'

5: B: 83'

6: Y: 83'

7: nf: 45'

Repair septic drainfield

Initial septic drainfield

67.2'

34

4-4-5

n/a

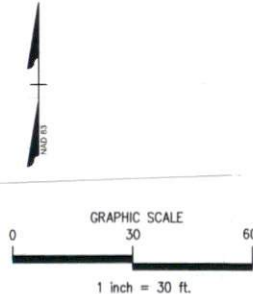
182.27'

SITE  
BOUNDARY

136.10'

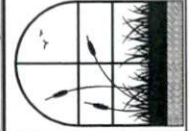
OPEN  
SPACE  
LOT 3

Notes:  
 -No soil cuts within 20 feet of septic trenches.  
 -No swales within 30 feet of septic trenches  
 unless approved, in writing, by Engineer.

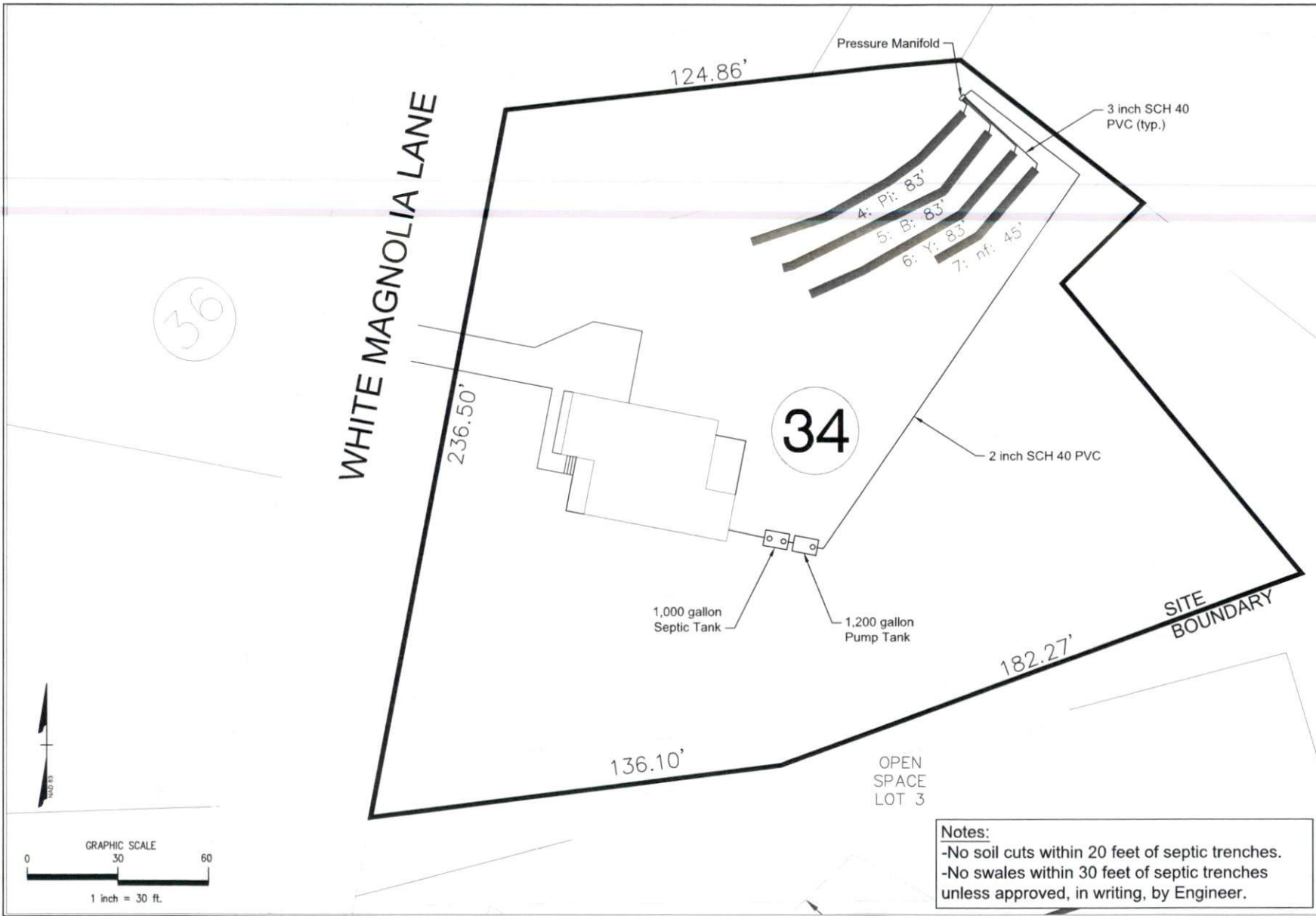


PREPARED FOR : 1 Fenton, Main Street Suite 200 Cary, NC 27511 DATE : May 6, 2025 DESIGNER CONTACT: ADAM AYCOCK, EI DRAWN BY: ADAM AYCOCK, EI	REVISION NO. Original Submittal	DATE May 6, 2025	SHEET NUMBER 1 of 7
	Revision 1		
	Revision 2		
	Revision 3		
MASTER SET			Magnolia Acres Lot 34 Overall Septic

MITCHELL ENVIRONMENTAL, PA  
 C-2911  
 1501 LAKESTONE VILLAGE LANE  
 SUITE 205  
 FUQUAY VARINA, NC 27526







**Notes:**  
 -No soil cuts within 20 feet of septic trenches.  
 -No swales within 30 feet of septic trenches unless approved, in writing, by Engineer.

<b>MITCHELL ENVIRONMENTAL, PA</b> C-2911 1501 LAKESTONE VILLAGE LANE SUITE 205 FUQUAY VARINA, NC 27526		REVISION NO. Original Submittal Revision 1 Revision 2 Revision 3 Master Set	DATE May 6, 2025 May 6, 2025 May 6, 2025 May 6, 2025 May 6, 2025
PREPARED FOR : 1401 Sundry Drive Suite 109 Raleigh, NC 27607 DATE : May 6, 2025 DESIGNED CONTACT: ADAM AYCOCK, EIT DRAWN BY: ADAM AYCOCK, EIT		SHEET NUMBER 2 of 7 Magnolia Acres Lot 34 Initial Nitrogenation Field	



## PRESSURE MANIFOLD DESIGN

Name: HHHunt Homes P.I.N. #: 0633-04-8013 D #: N/A

Address: 125 White Magnolia Lane Subdiv: Magnolia Acres Lot#: 34

# of BDR: 4 Daily Flow: 480 gal/day L.T.A.R.: 0.275 gal/day/sq.ft

Septic Tank: 1000 gals (min.) Pump Tank: 1200 gals (min.) Sq. Foot: 882 Stone Depth: N/A  
(Panel Block)

Number of Taps: 4 Length of Trenches: Varies ft(See Tap Chart for Details)

Depth of Trenches: see Harnett County permit Manifold Length: 42 in

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

Supply Line: length: 200 ft Diameter: 2 in sch 40pvc

Friction Loss + Fitting Loss: 7.81 ft(supply line length + 70' for fittings in pump tank)

Design Head: 2.0 ft Elevation Head: 15.70 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: 37 ft

Orifice / Vent Hole Flowrate: 2.52 gpm Head Loss at Orifice / Vent Hole: 2.35 ft

Total Head: 27.86 ft Pump to Deliver: 38.30 gals/min at 27.86 ft head

Dosing Volume: 277.10 gals.

Drawdown: 277.10 gals divided by 19 gals/in = 14.58 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: 145 Other:

## TAP CHART

Bench Mark	0.00	is = 100.00	set at				Design Head:	2.0	
Pump tank elev.		21	79.00	Pump elev.	74.00		Manifold elev.	89.70	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
4	Pink	11.30	88.70	83	3/4in SCH 80	10.10	135.49	249	0.5442
5	Blue	13.26	86.74	83	3/4in SCH 80	10.10	135.49	249	0.5442
6	Yellow	15.10	84.90	83	3/4in SCH 80	10.10	135.49	249	0.5442
7	nf	16.80	83.20	45	1/2in SCH 80	5.48	73.52	135	0.5446
		total	feet =	294	gal/min =	35.8		LTAR =	0.2750
% of Pipe Vol.		145		Des. Flow	480.00			(ltar + 5%)	0.2888
Dose Volume		277.10		Pump Run=	13.42			(ltar W/ PB)	0.5500
Dose Pump Time		7.74		Tank Gal/IN	19			(ltar + 5%)	0.5775
Drawdown in Inches		14.58		Elev. Head	15.70				
Supply Line Length		200							
Comments:									