

**HARNETT COUNTY ENVIROMENTAL HEALTH**

File/Permit #: SFD2506-0087

CDP #:

IMPROVEMENT PERMIT (IP)☒ New☐ Expansion☐ Repair☐ System Relocation☐ Change of Use

Owner: HHHUNT HOMES RALEIGH-DURHAM LLC

Applicant: HHHUNT HOMES RALEIGH-DURHAM LLC

Property Location: 155 OAK MEADOW LN ANGIER, NC 27501

PIN/Lot Identifier: 0672-65-4059.000

Subdivision: OAK MEADOW

Lot #: 20 Block: Section:

Facility Type: SFD 60' x 51' Number of bedrooms: 3 Number of Occupants: 6 Other:

Design Daily Flow: 360 GPD LTAR (Initial): .3 gpd/ft² LTAR (Repair): .3 gpd/ft²

Wastewater System Type: 50% Reduction PPBPS (Initial)

Pump Required: ☒ Yes ☐ No ☐ May be required Usable Depth to Limiting Condition (Initial): 38"

Wastewater System Type 50% Reduction PPBPS (Repair)

Pump Required: ☒ Yes ☐ No ☐ May be required Usable Depth to Limiting Condition (Repair): 38"Effluent Standard: ☒ DSE ☐ HSE ☐ Other: Type of Water Supply: ☐ Private well ☒ Municipal Supply ☐ Other:**Permit conditions:**No Foundation or Gutter Drains to be 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: 07/11/2025

Authorized Agent's Signature:

Expiration Date: 07/11/2030

CONSTRUCTION AUTHORIZATION (CA)☒ New☐ Expansion☐ Repair☐ System Relocation☐ Change of Use

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Septic Tank Size: 1,000 gallons Total Trench Length: 200' feet Trench Spacing: 9' feet on center

Pump Tank Size: 1,000 gallons Maximum Trench Depth: 18"-26" 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: Scott Mitchell's Design on PermitManagement Entity Required: ☐ Yes ☒ No Minimum O&M Requirements:**Permit conditions:**No Foundation or Gutter Drains to be Directed Towards Septic System.
No Cutting or Grading of Soil in Septic or Septic Repair Area.
Follow Consultants Layout.

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: 07/11/25

Authorized Agent's Signature:

Expiration Date: 07/11/2030

Owner/Legal Representative Signature:

Date:

***See attached site sketch**

Harnett County Environmental Health

SITE SKETCH

PIN 0672-65-4059.000

Permit Number SFD2506-0087

HHHUNT HOMES RALEIGH-DURHAM LLC

OAK MEADOW Lot 20

Applicant's Name

Subdivision/Section/Lot Number

Ren Levocz

07/11/2025

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

Initial System

PRESSURE MANIFOLD DESIGN

Name: HHHunt Homes P.I.N. #: D #: N/A

Address: Subdiv: Oak Meadow Lot#: 20

of BDR: 3 Daily Flow: 360 gal/day L.T.A.R.: 0.300 gal/day/sq.ft

Septic Tank: 1000 gals (min.) Pump Tank: 1000 gals (min.) Sq. Foot: 600 Stone Depth: N/A
(Panel Block 6 ft o.c.)

Number of Taps: 4 Length of Trenches: 50 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: 120 ft Diameter: 2 in sch 40pvc

Friction Loss + Fitting Loss: 2.22 ft(supply line length + 70' for fittings in pump tank)

Design Head: 2.0 ft Elevation Head: 10.29 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: 23 ft

Orifice / Vent Hole Flowrate: 1.99 gpm Head Loss at Orifice / Vent Hole: 1.46 ft

Total Head: 15.97 ft Pump to Deliver: 23.91 gals/min at 15.97 ft head

Dosing Volume: 188.50 gals.

Drawdown: 188.50 gals divided by 18 gals/in = 10.47 inches

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

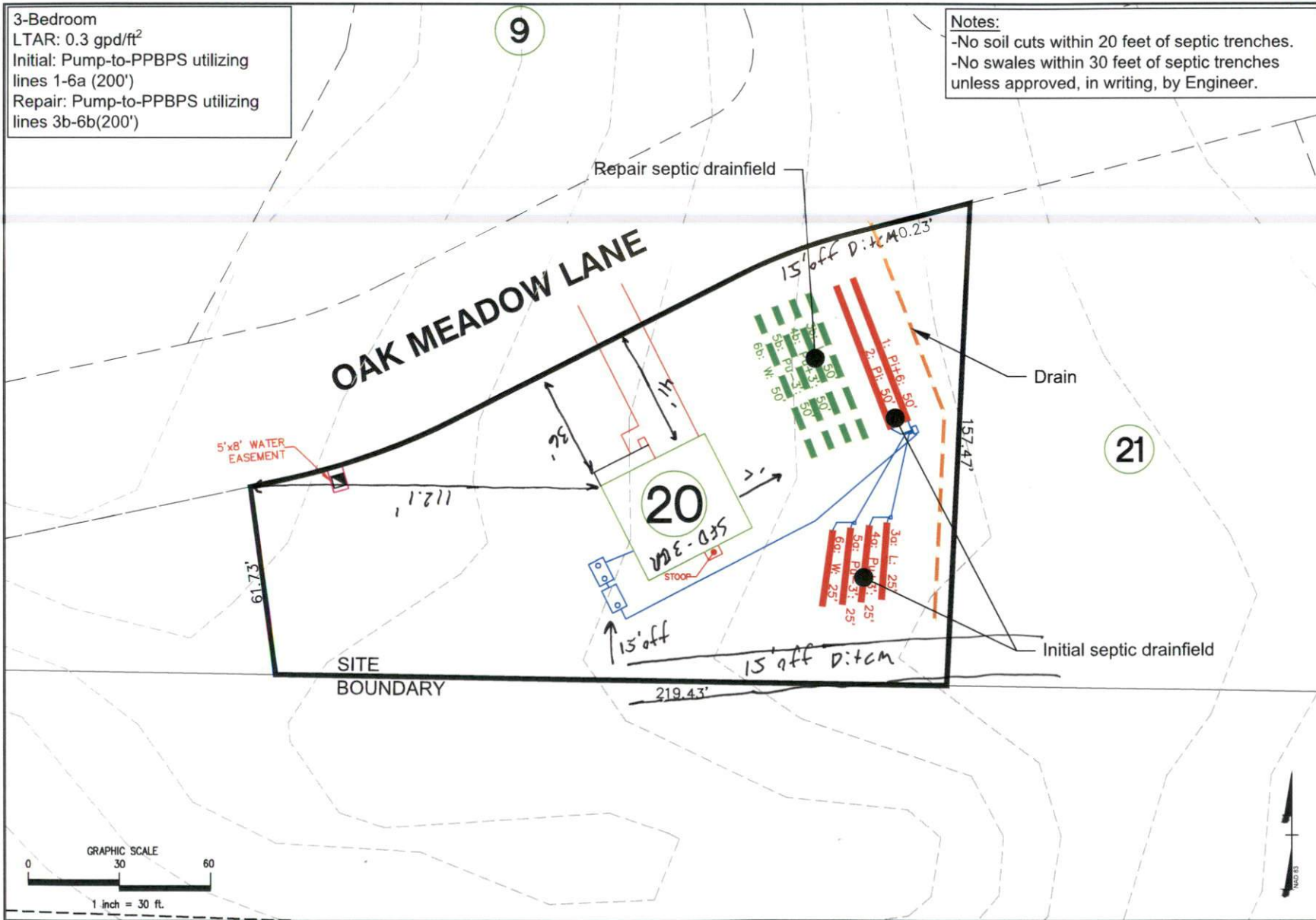
Possible pumps: Hydromatic: Goulds: Myers:
Zoeller: 137 Other:

TAP CHART

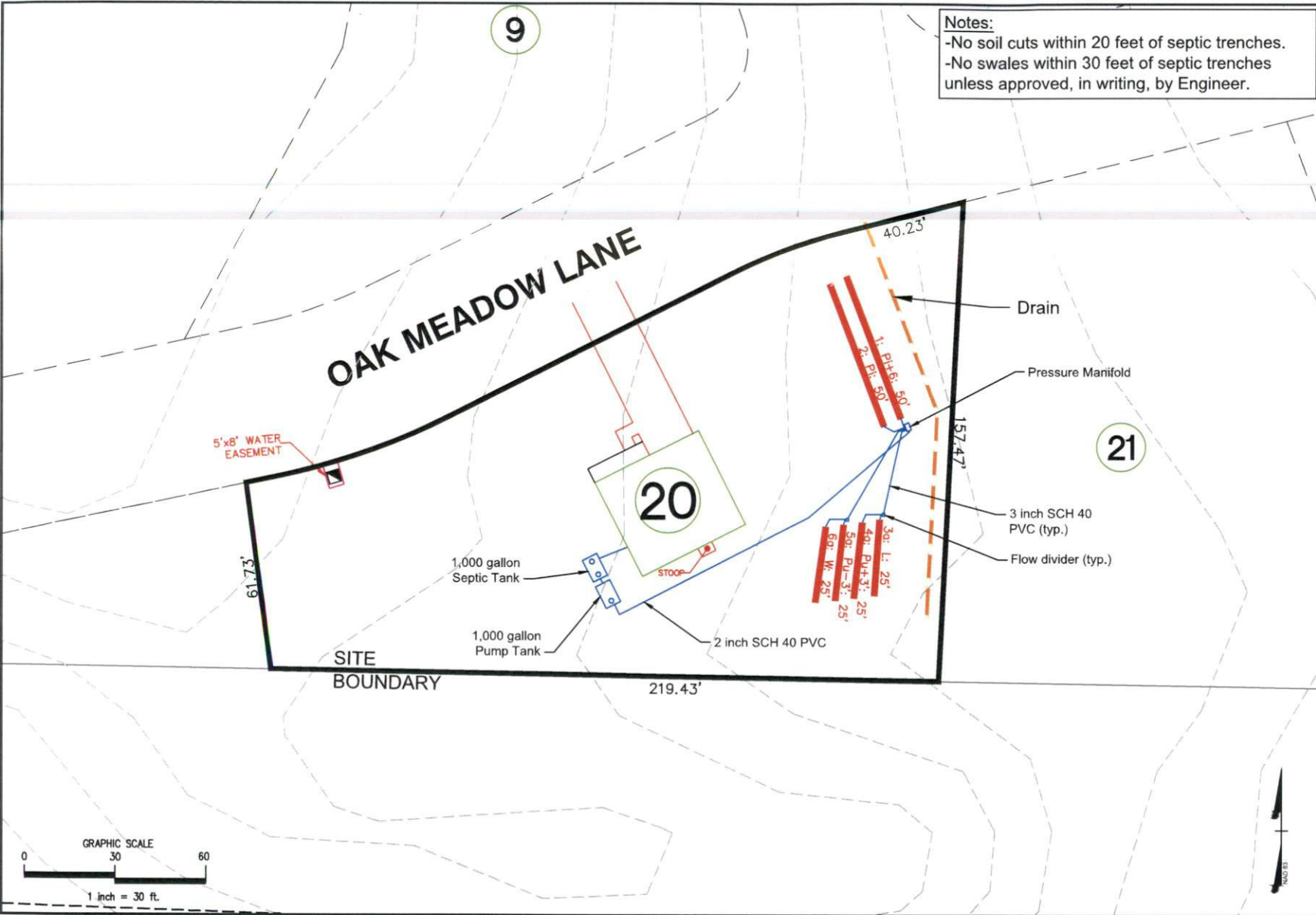
Bench Mark	3.77	is = 100.00	set at	Transformer base			Design Head:		2.0
Pump tank elev.		10.5	93.27	Pump elev.	88.27		Manifold elev.	98.56	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Pink + 6'	6.21	97.56	50	1/2in SCH 80	5.48	90.00	150	0.6000
2	Pink	6.53	97.24	50	1/2in SCH 80	5.48	90.00	150	0.6000
3a & 4a	L & Pu +3'	6.92	96.85	50	1/2in SCH 80	5.48	90.00	150	0.6000
5a & 6a	Pu-3' & W	7.51	96.26	50	1/2in SCH 80	5.48	90.00	150	0.6000
		total	feet =	200	gal/min =	21.9	LTAR =		0.3000
% of Pipe Vol.		145		Des. Flow	360.00		(ltar + 5%)		0.3150
Dose Volume		188.50		Pump Run=	16.42		(ltar W/ PB)		0.6000
Dose Pump Time		8.60		Tank Gal/IN	18		(ltar + 5%)		0.6300
Drawdown in Inches		10.47		Elev. Head	10.29				
Supply Line Length		120							
Comments: Panel block 6 ft on-center									

3-Bedroom
 LTAR: 0.3 gpd/ft²
 Initial: Pump-to-PPBPS utilizing
 lines 1-6a (200')
 Repair: Pump-to-PPBPS utilizing
 lines 3b-6b(200')

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



MITCHELL ENVIRONMENTAL, PA C-2917 1501 LAKESTONE VILLAGE LANE SUITE 205 FUQUAY VARINA, NC 27526		SHEET NUMBER 1 of 7 Oak Meadow Lot 20 Overall Septic
PREPARED FOR: 1. Fenton Main Street Site No. 27911 Date: June 10, 2025 DESIGNER CONTACT: ADAM AYDOOK, D DRAIN BY: ADAM AYDOOK, D	REVISION NO. Original Submitted Revision 1 Revision 2 Revision 3 Master Set	DATE June 10, 2025 --- --- --- ---



MITCHELL ENVIRONMENTAL, PA C-2911 1501 LAKESTONE VILLAGE LANE SUITE 205 FUQUAY VARINA, NC 27526	REVISION NO. Original Submitted Revision 1 Revision 2 Revision 3 Master Set		DATE June 10, 2025 --- --- --- ---		SHEET NUMBER 2 of 7
	PREPARED FOR: 1 Fenton Main Street Suite 200 Cary, NC 27511		DESIGNER CONTACT: ADAM AYCOCK, E		Oak Meadow Lot 20 Initial Nitrogen Field
	DATE: June 10, 2025		DRAWN BY: ADAM AYCOCK, E		
	PROJECT: 1 Fenton Main Street Suite 200 Cary, NC 27511		DATE: June 10, 2025		