

Harnett County Department of Public Health

Operation Permit

PERMIT # SFD2308-0127

New Installation Septic Tank Nitrification Line Repair Expansion

PROPERTY LOCATION: 238 Old Fashioned Way

Name: (owner) Davidson Homes SUBDIVISION Wellers Knoll LOT # 415

System Installer: Quality Septic

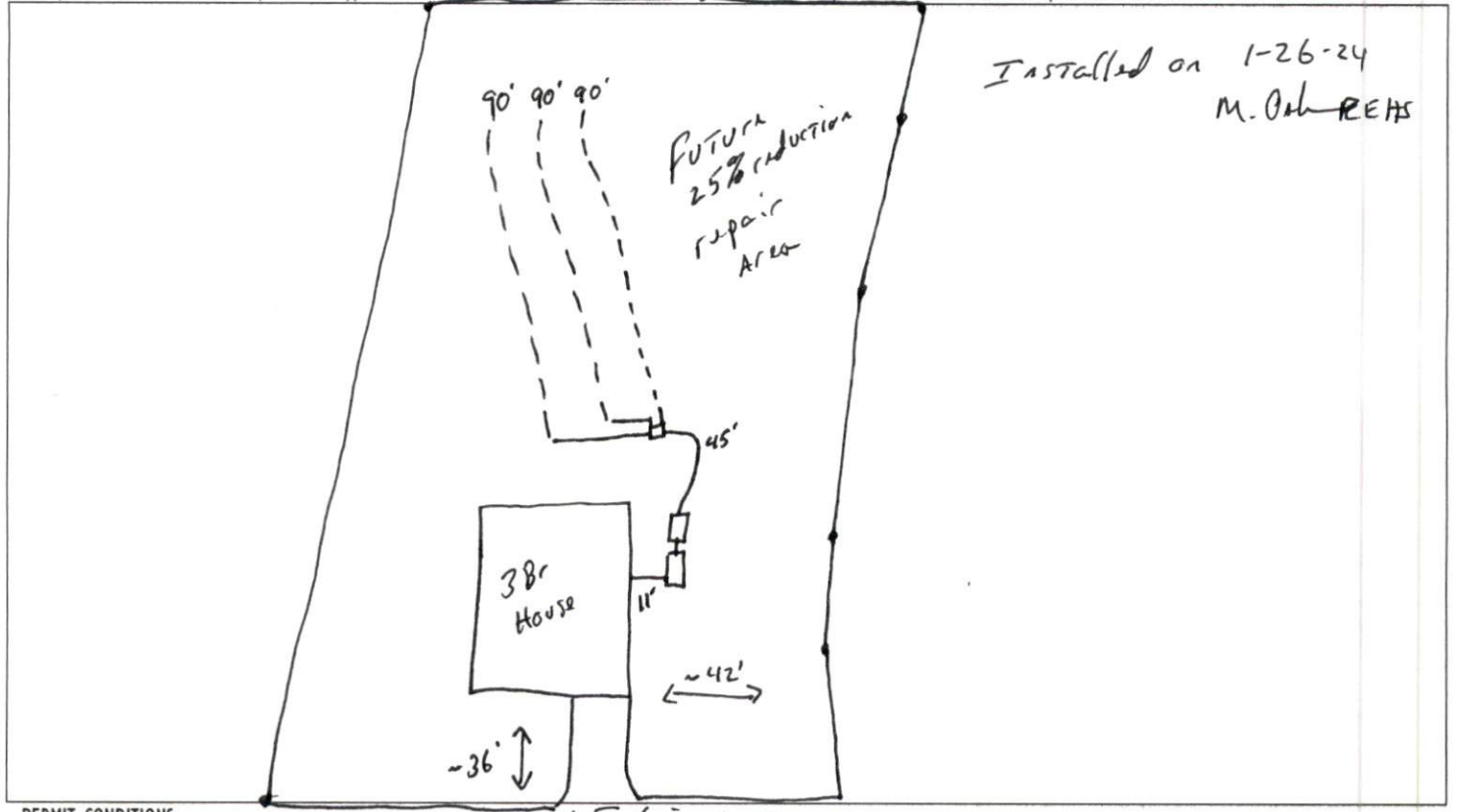
Basement with plumbing: Garage Number of Bedrooms 3 (6 people)

Type of Water Supply: Community Public Well Distance from well _____ feet

System Type: TYPE III B Types V and VI Systems expire in 5 years.

(In accordance with Table V a) Owner must contact Health Department 6 months prior to expiration for permit renewal.

This system has been installed in compliance with applicable North Carolina General Statutes, Rules for Sewage Treatment and Disposal, and all conditions of the Improvement Permit and Construction Authorization.



PERMIT CONDITIONS:

- I. Performance: System shall perform in accordance with Rule .1961.
- II. Monitoring: As required by Rule .1961.
- III. Maintenance: As required by Rule .1961. Other: _____
Subsurface system operator required? Yes No
If yes, see attached sheet for additional operation conditions, maintenance and reporting.
- IV. Operation: _____
- V. Other: _____

Manifold D-Box 2-19-24 Pump 2-19-24 Alarm _____ H2O Line _____ PWR Line

Following are the specifications for the sewage disposal system on the above captioned property.
 Type of system: Conventional Other 25% reduction E2 flow Septic Tank: 1000 gallons Pump Tank: 1000 gallons
 Subsurface Drainage Field No. of ditches 3 exact length of each ditch 90 feet width of ditches 3 feet depth of ditches 22 inches
 French Drain Required: _____ Linear feet

Authorized State Agent M. Oak REHS Date 2-22-24

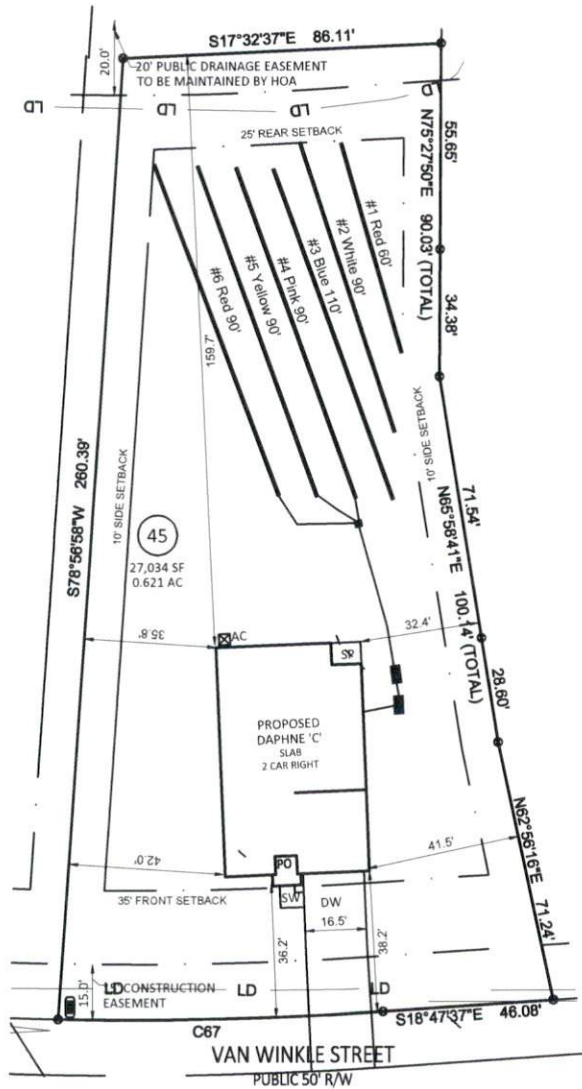
Wellers Knoll - Lot #45
 As Bult
 238 Old Fashioned Way - Lillington, NC
 Davidson Homes
 Harnett County PIN: 0529-88-9139

*Not a Survey
 Sketched from a plot plan supplied by owner

*Line are flagged longer on the lot than required for installation.

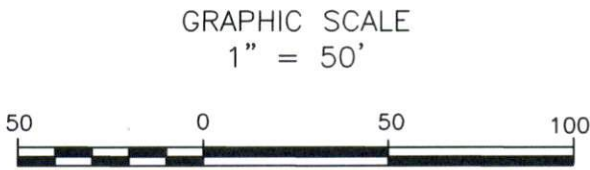
System: Pressure Manifold
 Lines: 4-6 (270')
 0.35 LTAR
 22" Max Trench Bottom
 Accepted Status System
 Repair: Pressure Manifold
 Lines: 1-3 (260')
 0.35 LTAR
 22" Max Trench Bottom
 Accepted Status System

**1000 Gallon Septic and Pump Tank
 Tank and trenches to be located minimum of 10'
 from any property line and minimum of 5'
 from any building foundation.
 *Do Not Cut, Fill, or Alter Drainfield or Repair Area
 *Comply with all setbacks
 *Contact local health dept. and/or Alex Adams prior to
 or during installation with any questions or concerns.



*At time of installation a pump tank was needed to dose septic field.

Adams
 Soil Consulting
 919-414-6761
 Job #1623



**Lot 45 Wellers Knoll
Initial Tap Chart**

Bench Mark	0.00	is = 100.00	Location of BM	Elevation Head	4.00			
Pump tank elev.	0	100.00	Pump elev.	95.00	Manifold elev.	99.00		
line	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
4	2.00	98.00	90	1/2in SCH 40	7.11	120.00	270	0.4444
5	2.6	97.40	90	1/2in SCH 40	7.11	120.00	270	0.4444
6	3.2	96.80	90	1/2in SCH 40	7.11	120.00	270	0.4444
total		feet =	270	gal/min =	21.33	<u>LTAR =</u>		0.3000
		<u>Des. Flow</u>		360	<u>LTAR + %5</u>		0.3150	
% of Dose Vol.	75	Pump Run=		16.88	(ltar W/ T&J)		0.6000	
Dose Volume	131.63	Tank Gal/IN		21	(ltar W/ INOV + 5%)		0.6300	
Dose Pump Time	6.17							
Drawdown in Inches	6.27							

90
90
85
80
345