

WAKE COUNTY DEPARTMENT OF HEALTH & HUMAN SERVICES WELL PERMIT

***PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/OR IF SITE IS ALTERED
OR INTENDED USE CHANGED***

WELL CONSTRUCTION AUTHORIZATION

PERMIT #: GW-132062-2024

APPLICATION DATE: 09/05/2024

SITE INFORMATION:

PIN: 1789213398

SITE ADDRESS: 5033 MITCHELL TOWN RD
YOUNGSVILLE, 27596

SUBDIVISION: PROP C E DUKE JR HEIRS **LOT:** 2
SUB

ACRES: 2

TOWNSHIP: 09 - Little River

JURISDICTION: R-40W

ZONING: R-40W

APPLICANT: Johnathan Fritchle

PHONE NUMBER: (919) 909-4173

OWNER:

PROPOSED USE:

EXISTING USE:

PERMIT CONDITIONS & COMMENTS:

Due to the underlying geology at this site, Wake County requires testing of this well for Gross Alpha* activity to screen for radiological contaminants. In addition, Wake County recommends a test for radon in water.

*GROSS ALPHA TESTING NOTE: Please allow 8 to 12 weeks for gross alpha testing. Initial gross alpha testing takes 3 to 4 weeks. If the initial test exceeds drinking water standards (which happens in approximately 1 in 5 cases), installation of treatment is required along with confirmation testing of the treated water, requiring an additional 3 to 4 weeks for the confirmation test. If the initial treatment system installed is insufficient, additional corrective action and testing will be required.

Well Setbacks:

1. 100' from perimeter of house.
2. 50' from south property line.
3. 40' from north property line.
4. 40' from east property line.

* Well driller must verify all distance requirements before drilling.

* Well area is 32' x 18'

OTHER CONDITIONS:

SCOPE: **SATISFIED?:**

COMMENTS:

See attached site plan for well location and wastewater system design. If changes are necessary, prior approval by Wake County Health & Human Services is required before installation. The testing required under this permit does not include all possible contaminants. Private wells are not routinely monitored by a utility or other agency. Continued monitoring of private wells and testing for contaminants other than those required for the certificate of completion or certificate of occupancy is the responsibility of the well owner. Neither Wake County nor the Environmental Health Specialist warrants the quantity or quality of water produced by this well

This construction authorization permit expires on 05/29/2030.

PERMIT ISSUED: 05/30/2025

ISSUED BY: Glen Shoemaker

SIGNATURE:

Glen C. Shoemaker

Z:\T-Drive (Projects)\Library\2024\C28503.00 - Fritchle, John - Hwy 96 Lot 5, Wake County -PM\Drawings\C28503.00 - Base.dwg May 08, 2025 4:33pm

LEGEND

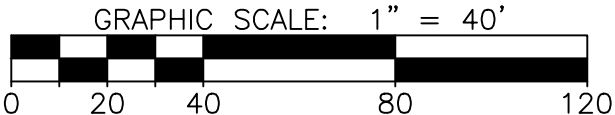
- ADJACENT BOUNDARY
- BOUNDARY (PROPERTY)
- 420 --- CONTOURS - INDEX
- 418 --- CONTOURS - INTERMEDIATE
- ===== PROPOSED DRAIN LINES/TRENCHES
- ===== PROPOSED REPAIR LINES/TRENCHES
- SETBACKS
- FM --- FORCE MAIN
- FORCE MAIN (OTHER LOTS)
- ... --- PROPOSED WATER LINE
- E --- ELECTRIC LINE
- PROPOSED STORM DRAINAGE
- FLAG SEPTIC LINES NOT USED
- EASEMENT LINE
- CO CLEAN OUT

LINE SEGMENTS (INITIAL)			
LINE #	FLAG	LENGTH	DESIGN LENGTH
1	RED	75'	75'
2	BLUE	75'	75'
3	RED	75'	75'
4	BLUE	75'	75'
TOTAL LENGTH		300'	

LINE SEGMENTS (REPAIR)			
LINE #	FLAG	LENGTH	DESIGN LENGTH
5	RED	75'	75'
6	BLUE	75'	75'
7	RED	75'	75'
8	BLUE	75'	75'
TOTAL LENGTH		300'	

NOTES

- PARCELS TAKEN FROM NC ONEMAP. TOPO TAKEN FROM NC FRIS. SITE PLAN AND SOIL INFORMATION PROVIDED BY SOIL HORIZONS, LSS.
- KEEP TANKS, DRAIN LINES, AND MANIFOLDS A MINIMUM OF 10' OFF OF PROPERTY LINES.
- KEEP SUPPLY LINES AND FORCE MAIN A MINIMUM OF 5' OFF OF PROPERTY LINES.
- INSTALL INITIAL DRAIN LINES ON CONTOUR WITH A MAXIMUM TRENCH DEPTH OF 12".
- DESIGN FOR 4-BEDROOM DWELLING WITH 360 GPD FLOW THROUGH USE OF ENGINEERED FLOW REDUCTION



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501 CASCADE POINTE LANE, SUITE 103
CARY, NORTH CAROLINA 27513
P. O. BOX 129
MORRISVILLE, NORTH CAROLINA 27560
TEL: (919) 467-1239 FAX: (919) 319-6510

MacCONNELL
& Associates, P. C.

FRITCHLE FAMILY FARMS, LLC
EOP - LOT 5
PRESSURE MANIFOLD SYSTEM
WAKE COUNTY, NC

TREATMENT &
DISPOSAL PLAN
C-101