WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WASTEWATER PERMIT

NO PERMIT(S) FOR CONSTRUCTION, LOCATION OR RELOCATION ACTIVITY SHALL BE ISSUED UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION AUTHORIZATION HAS BEEN ISSUED

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

CONSTRUCTION AUTHORIZATION PERMIT

PERMIT # WRP-161979-2026 **APPLICATION DATE:** 01/07/2026 **BLDG. PERMIT#: RBPR-165872-2026**

PIN: 1607180777 **RECORDED:** Yes

TOWNSHIP: 15 - Panther Branch **JURISDICTION:** Wake County **ZONING:** R-30

APPLICANT: Lisa Ferguson
4909 Unicon Drive, Suite 107
Wake Forest, NC 27587

BUSINESS PHONE: (919) 999-4150
HOME PHONE:
MOBILE PHONE:

HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE **EXISTING USE:**

SITE ADDRESS: 329 BLACK CAVIAR WAY

SUBDIVISION: Carriage Farm **LOT:** 42 **ACRES:** 0.69

DIRECTIONS: Pagan Road to Carriage Gate Drive. Right on Black Caviar Way. Lot 42 is on the left just before arriving at Leone Pride Circle.

Contractors shall install system on contour. See attached SITE PLAN for wastewater system design and well location. No underground utilities, water lines or sprinklers systems may be located in the original system, or permit areas. A septic tank filter with two risers for access is required. The wastewater system shall not be covered or placed into use until inspected by the Wake County Department of Environmental Services and Operations Permit issued. An Accepted Status System may be used in place of conventional system, if it can be placed in the permitted/authorized trench footprint (except reduction in line length and/or number as allowed for in approval) and the installation in accordance with the accepted system approval, without unauthorized product alteration. If permit required use of an Accepted Status System, substitution with another accepted status system may be made, as long as no changes are necessary in the location of each nitrifications line (including any increase in line length), trench depth or effluent distribution method. If changes are necessary, prior approval by this office is required before system installation. Maximum depth of line is calculated using the downhill side of the trench and includes slope correction.

CONSTRUCTION AUTHORIZATION PERMIT VALID FOR: Five Years

CONSTRUCTION AUTHORIZATION PERMIT: CA STATUS: Issued **BY:** Andrew Thore **DATE:** 03/10/2026

CA VALID FOR: Five Years **DESIGN FLOW:** 480 GALLONS **BASEMENT:** No **BASEMENT FIXTURES:** No

SEPTIC TANK: 1200 GALLONS
DOSING PUMP TANK:
GREASE TRAP:
RECIRCULATION PUMP TANK:

SEPTIC TANK FILTER: Yes
DOSING PUMP TANK FILTER:
GREASE TRAP FILTER:
RECIRCULATION PUMP TANK FILTER:

PROPOSED SYSTEM: 0.25 - 25% Reduction (Innovative or Accepted) **EXISTING SYSTEM:** No

DRAINFIELD SQ. FT: 1,380 **AGGREGATE DEPTH:** 12 **MAX. TRENCH DEPTH:** 21 INCHES

DISTRIBUTION DEVICE: GS - Gravity Serial

TRENCH #: 5 **TRENCH LENGTH:** 75,95,100,95,95 FEET **TRENCH WIDTH:** 36 INCHES **TOTAL TRENCH LENGTH:** 460 FEET

CENTER SPACING: 9 FEET
PRETREATMENT:
SUBFIELDS #:
PUMP TDH:

MINIMUM SOIL COVER: 6 INCHES
APPROVAL #:
PUMP DESIGN FLOW:
ZONE VALVE: No

ASDMS REQUIRED: No
LINE OF CREDIT REQUIRED: No
OPERATOR REQUIRED: No
P.E. SIGN OFF/ASBUILT REQUIRED: No
TRIPARTY AGREEMENT REQUIRED: No

SPECIFIC CONSTRUCTION AUTHORIZATION REQUIREMENTS:
-System designed for 4 bedroom residence, having 480 gals/day.
-Site serviced by community well water.
-Future Repair is a IIIE 50% reduction system PPBPS – (Horizontal) type system with a max trench depth of 21" and a 0.275 LTAR.
-Limiting condition depth is 35" for both initial and repair system.
-Any deviation from accepted design must be approved by Wake County ES prior to system installation.
-Property lines required to be clearly marked prior to digging.
-Maintain all required setbacks.
-Please contact WCES – Andrew Thore at (919) 594-8528 with any questions prior or during install.

Issued By: Andrew Thore
Date: 03/10/2026

PRELIMINARY PLOT PLAN FOR

KEN HARVEY HOMES

LOT 42, CARRIAGE FARMS SUBDIVISION

329 BLACK CAVIAR WAY

REF: B.M. 2025, PG. 472–475

PANTHER BRANCH TOWNSHIP

WAKE COUNTY, NORTH CAROLINA

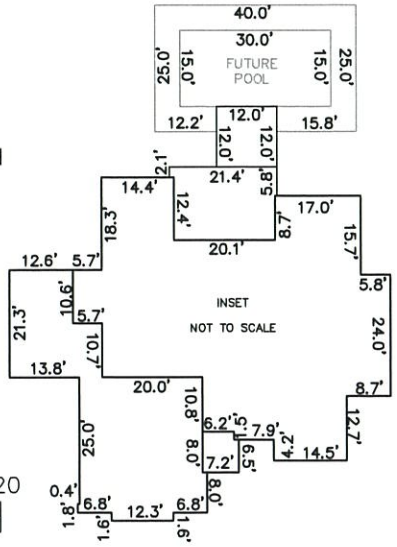
JULY 31, 2025

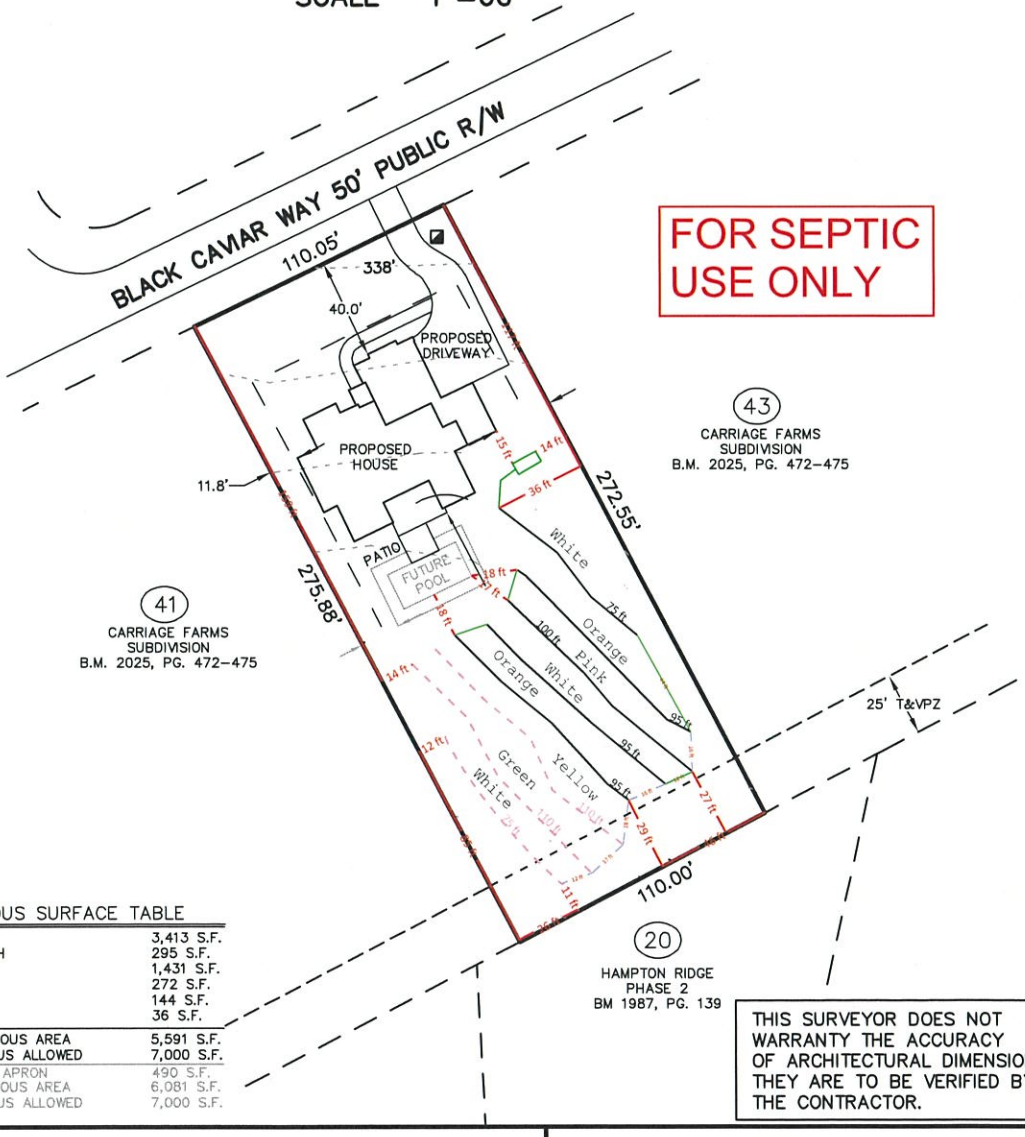
REVISED SEPTEMBER 18, 2025

ZONED R–30

60 30 0 60 120

SCALE 1"=60'





FOR SEPTIC USE ONLY

IMPERVIOUS SURFACE TABLE

HOUSE	3,413 S.F.
SCREEN PORCH	295 S.F.
DRIVEWAY	1,431 S.F.
SIDEWALKS	272 S.F.
PATIO	144 S.F.
MISC/UTILITIES	36 S.F.
TOTAL IMPERVIOUS AREA	5,591 S.F.
MAX IMPERVIOUS ALLOWED	7,000 S.F.
FUTURE POOL APRON	490 S.F.
TOTAL IMPERVIOUS AREA	6,081 S.F.
MAX IMPERVIOUS ALLOWED	7,000 S.F.

THIS SURVEYOR DOES NOT WARRANTY THE ACCURACY OF ARCHITECTURAL DIMENSIONS. THEY ARE TO BE VERIFIED BY THE CONTRACTOR.

CMP

Professional Land Surveyors
C–1525

333 S. White Street
Post Office Box 1253
Wake Forest, N.C. 27588
(919)556–3148

NOTES:
–THIS PLAN DOES NOT REFLECT AN ACTUAL SURVEY. IT IS A PRELIMINARY PLAN AND SHOULD BE USED FOR ITS INTENDED PURPOSE ONLY.
–NOT FOR RECORDATION, CONVEYANCES, OR SALES.