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

OPERATIONS PERMIT

PERMIT # **WRP-122529-2024** **APPLICATION DATE:** 04/11/2024 **BLDG. PERMIT#:** **RBPR-121603-2024**

PIN: 1798712052 **RECORDED:** Yes

TOWNSHIP: 09 - Little River **JURISDICTION:** Wake County **ZONING:** R-30

APPLICANT: John P Lerena
101 aspen circle E CIR

BUSINESS PHONE: (919) 625-2041
HOME PHONE:
MOBILE PHONE: (919) 623-8396

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

SITE ADDRESS: 8629 DUKES LAKE RD

SUBDIVISION: A & B MORGAN DEVELOPMENT COMP LLC M **LOT:** 3 **ACRES:** 1.90

DIRECTIONS: N/A

Systems defined as either type III-b, III-g with a pump, IV, V or VI, in accordance with the North Carolina administrative code 15A NCAC 18a .1961, table V as adopted by reference in the "Regulations Governing Wastewater Treatment Dispersal Systems in Wake County", requires Wake County Environmental Services to conduct periodic inspections of the system type pursuant to 15A NCAC 18a. 1961 (j). Fees for these inspections will be charged as per the approved Fee Schedule. In addition, all systems are to be operated and maintained as specified in 15A NCAC 18A .1961. This permit is based in part on information provided by the homeowner and/or his/her representative in the application submitted for this permit. The Environmental Health Specialist is not responsible for false or misleading information contained in the application. The environmental health specialist is also not responsible for concealed conditions on the property or for statements in this report that may have resulted from false or misleading statements provided to him/her in the application. Neither Wake County nor the Environmental Health Specialist warrants that the septic tank system will continue to function satisfactorily in the future or that the water supply will remain potable.

OPERATION PERMIT VALID FOR: No Expiration
INSTALLED BY: AVILA, TOMAS - 1917 - II
PROPRIETARY SYSTEM: EZ1203HG - EZFlow EZ 1203H Geo **PRETREATMENT SYSTEM:**
SYSTEM TYPE INSTALLED: II B
OPERATION PERMIT: **STATUS:** Issued **ISSUED BY:** Adrienne Holloway **ISSUED DATE:** 01/07/2025

SEPTIC TANK: Mitchell Concrete - STB-814 - 1000 gallons **DATE OF MANUFACTURE:** **FILTER:** Polylok - PL-68
GREASE TRAP: **DATE OF MANUFACTURE:** **FILTER:**
DOSING PUMP TANK: **DATE OF MANUFACTURE:** **FILTER:**
CC1: **ETM1:** **CC2:** **ETM2:**
RECIRCULATION TANK: **DATE OF MANUFACTURE:**
CC1: **ETM1:** **CC2:** **ETM2:**

SEPTIC TANK ELEVATION: 2.08 **GREASE TRAP ELEVATION:** **DOSING PUMP TANK ELEVATION:**
RECIRCULATION TANK ELEVATION: **DISTRIBUTION DEVICE ELEVATION:** 10

INSTALLED TRENCH DEPTH	INSTALLED AGGREGATE DEPTH	INSTALLED TRENCH LENGTH	INSTALLED TRENCH BOTTOM ELEVATION
24	12	75	11.41
24	12	75	11.5
24	12	75	11.91
24	12	75	12.08

ACTUAL PRESSURE HEAD: **ACTUAL FLOW RATE:** **ACTUAL DOSE VOLUME:** 0

SPECIFIC OPERATION REQUIREMENTS:
-System designed for 3 bedroom residence, having 360 gals/day.
-Site serviced by private well water.
-Future Repair is a IIIg type system with a max trench depth of 13” and a 0.25 LTAR.

ISSUED BY: **DATE:** 01/07/2025

RBPR-121603-2024

SITE PLAN APPROVED BY
WAKE COUNTY N.C. P.D.I.
Ivey Shields
04/17/2024 10:22:23 AM

ALL DISTANCES ARE U.S. SURVEY FEET HORIZONTAL GROUND MEASUREMENTS.
AREA DETERMINED USING COORDINATE METHOD.
REFERENCES: DEED BOOK 19287, PAGE 2195
BOOK OF MAPS 2024, PAGE 306
PROPERTY IS ZONED: R-30 (WAKE COUNTY)
PROPERTY ADDRESS: 8629 DUKES LAKE ROAD ZEBULON, N.C. 27597
THIS PROPERTY IS NOT LOCATED WITHIN A 100 YEAR FLOOD PLAIN, PER FEMA FIRM MAP # 3720179800K, EFFECTIVE DATE OF MAY 02, 2006.

LOT 3A IMPERVIOUS SURFACE SUMMARY

PROPOSED DWELLING & PORCHES	3,298 SQ. FT.
PROPOSED DRIVEWAY & SIDEWALK	1,924 SQ. FT.
TOTAL PROPOSED IMPERVIOUS AREA =	5,222 SQ. FT.
5,222 SQ. FT. DIVIDED BY 12,416 SQ. FT.	
42.1% IMPERVIOUS SURFACE ALLOWED	

MAP NORTH
B.M. 2024, PG. 306

(4) MORGAN DEVELOPMENT COMPANY, LLC
D.B. 19287, PG. 2195
B.M. 2024, PG. 743

(2) MORGAN DEVELOPMENT COMPANY, LLC
D.B. 19287, PG. 2195
B.M. 2024, PG. 306

(N.C.S.R. No. 2309) DUKES LAKE ROAD (60' PRESCRIPTIVE PUBLIC R/W)

(2) PAMELA PRIVETT TURNAGE
D.B. 16846, PG. 1390
B.M. 2023, PG. 1391

(2) PAMELA PRIVETT TURNAGE
D.B. 16846, PG. 1390
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D.B. 16846, PG. 1390
B.M. 1998, PG. 229

WATSON FAMILY II, LLC
D.B. 19227, PG. 2786
B.M. 2001, PG. 1594

274'-2 1/4"
401'-1/4"
376'-10"
178'-3"
80'-6"
47'-2 1/4"
N 76°26'51" E 274.26'
N 82°20'55" E 401.46'
S 89°16'52" W 248.40'
S 89°16'52" W 377.44'
S 89°16'52" W 60.16'
TIE LINE: S 89°16'52" W
N 08°35'47" W 132.18' CD. L= 132.28' R= 985.89'
S 08°35'38" E 115.61' CD. L= 115.68' R= 925.89'
N 33°45'12" W 63.82'
S 00°43'52" W 179.41'

(38) 0.519 ACRE (22,590 SQ. FT.) PORTION OF PIN 1798-71-2052

LOT 3A .382 ACRES (16,187 SQ. FT.) EAST OF NCSR R/W) PREVIOUS AREA = 12,416 SQ. FT.

Repair System Area

25' TREE & VEGETATION PROTECTION ZONE
40' TREE & VEGETATION PROTECTION ZONE
PROPOSED DRIVE
PROPOSED FOUNDATION
3 x 7.5'
99 ft
71 ft
167 ft
115 ft
48 ft
37 ft
137 ft

PRELIMINARY

THIS IS A PRELIMINARY DRAWING AND IS NOT TO BE USED AS A SURVEY OR TO TRANSFER ANY PROPERTY SHOWN HEREON.

LEGEND:
SURVEYED LINE
UNSURVEYED LINE
RIGHT-OF-WAY LINE
UNSURVEYED LINE
SET IRON PIPE
EXISTING IRON PIPE FOUND
R/W = RIGHT OF WAY
TL = TOTAL

GRAPHIC SCALE
40 0 30 40 80 160
(IN FEET)
1=100

WAKE COUNTY ZONE: R-30
MINIMUM BUILDING SETBACKS
SINGLE FAMILY RESIDENTIAL
FRONT 30'
REAR 30'
SIDE 10'
CORNER SIDE 30'

SURVEY & MAP BY
BOBBY FUQUAY and ASSOCIATES
8525 MAL WEATHERS RD., RALEIGH N.C., 27613
(919) 880-3399

GRAMPTON III PLAN

SITE PLAN FOR
SILVIA LERENA
LITTLE RIVER TOWNSHIP, WAKE COUNTY, NORTH CAROLINA
PIN: 1798-71-2052 SCALE: 1" = 40'
DATE: 04-09-2024 DRAWING: 202419-3B

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-122529-2024** **APPLICATION DATE:** 04/11/2024 **BLDG. PERMIT#:** **RBPR-121603-2024**

PIN: 1798712052 **RECORDED:** Yes

TOWNSHIP: 09 - Little River **JURISDICTION:** Wake County **ZONING:** R-30

APPLICANT: John P Lerena
101 aspen circle E CIR
Clayton, NC 27520

BUSINESS PHONE: (919) 625-2041
HOME PHONE:
MOBILE PHONE: (919) 623-8396

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

SITE ADDRESS: 8629 DUKES LAKE RD

SUBDIVISION: A & B MORGAN DEVELOPMENT CC **LOT:** 3 **ACRES:** 1.90

DIRECTIONS: N/A

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:** John Kase **DATE:** 05/06/2024

CA VALID FOR: Five Years **DESIGN FLOW:** 360 GALLONS **BASEMENT:** No **BASEMENT FIXTURES:** No

SEPTIC TANK: 1000 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:**
DRAINFIELD SQ. FT: 900 **AGGREGATE DEPTH:** 12 **MAX. TRENCH DEPTH:** 24 INCHES
DISTRIBUTION DEVICE: GP - Gravity Parallel
TRENCH #: 4 **TRENCH LENGTH:** 75, 75, 75, 75 FEET **TRENCH WIDTH:** 36 INCHES **TOTAL TRENCH LENGTH:** 300 FEET

CENTER SPACING: 9 FEET **MINIMUM SOIL COVER:** 6 INCHES

PRETREATMENT: **APPROVAL #:**
SUBFIELDS #: **PUMP DESIGN FLOW:**
PUMP TDH: **ZONE VALVE:** No

ASDMS REQUIRED: **LINE OF CREDIT REQUIRED:** **OPERATOR REQUIRED:**
P.E. SIGN OFF/ASBUILT REQUIRED: **TRIPARTY AGREEMENT REQUIRED:**

SPECIFIC CONSTRUCTION AUTHORIZATION REQUIREMENTS:
-System designed for 3 bedroom residence, having 360 gals/day.
-Site serviced by private well water.
-Future Repair is a IIIg type system with a max trench depth of 13" and a 0.25 LTAR.
-Any deviation from accepted design must be approved by the (consultant &) Wake County ES prior to system installation.
-Property lines required to be clearly marked prior to digging.
-Maintain all required setbacks.
-Please contact WCES – John Kase, 919-500-9564 with any questions prior or during install.

Issued By: **Date:** 05/06/2024

RBPR-121603-2024

SITE PLAN APPROVED BY
WAKE COUNTY N.C. P.D.I.
Ivey Shields
04/17/2024 10:22:23 AM

ALL DISTANCES ARE U.S. SURVEY FEET HORIZONTAL GROUND MEASUREMENTS.
AREA DETERMINED USING COORDINATE METHOD.
REFERENCES: DEED BOOK 19287, PAGE 2195
BOOK OF MAPS 2024, PAGE 306
PROPERTY IS ZONED: R-30 (WAKE COUNTY)
PROPERTY ADDRESS: 8629 DUKES LAKE ROAD ZEBULON, N.C. 27597
THIS PROPERTY IS NOT LOCATED WITHIN A 100 YEAR FLOOD PLAIN, PER FEMA FIRM MAP # 3720179800K, EFFECTIVE DATE OF MAY 02, 2006.

MAP NORTH
B.M. 2024, PG. 306

LOT 3A IMPERVIOUS SURFACE SUMMARY

PROPOSED DWELLING & PORCHES	3,298 SQ. FT.
PROPOSED DRIVEWAY & SIDEWALK	1,924 SQ. FT.
TOTAL PROPOSED IMPERVIOUS AREA =	5,222 SQ. FT.
5,222 SQ. FT. DIVIDED BY 12,416 SQ. FT.	
42.1% IMPERVIOUS SURFACE ALLOWED	

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(2) MORGAN DEVELOPMENT COMPANY, LLC
D.B. 19287, PG. 2195
B.M. 2024, PG. 306

(N.C.S.R. No. 2309) DUKES LAKE ROAD (60' PRESCRIPTIVE PUBLIC R/W)

274'-2"
N 76°26'51" E 274.26'
N 82°20'55" E 401.46'
102 ft
13 ft
25' TREE & VEGETATION PROTECTION ZONE
40' TREE & VEGETATION PROTECTION ZONE
(3B) 0.519 ACRE (22,590 SQ. FT.) PORTION OF PIN 1798-71-2052
S 08°35'38" E 115.61' CD. L= 115.68' R= 925.89'
N 08°35'47" W 132.18' CD. L= 132.28' R= 985.89'
PROPOSED DRIVE
PROPOSED FOUNDATION
SEPTIC TANK
SEPTIC FIELD
(3A) ? ACRES
97 SQ. FT.)
'T OF NCSR R/W)
'US AREA = 12,416 SQ. FT.
25 ft
25 ft
26 ft
137 ft
TIE LINE: S 89°16'52" W 60.16'
S 89°16'52" W 248.40'
S 89°16'52" W 377.44'
N 33°45'12" W 63.82'
179.41' S 00°13'47" W

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D.B. 16846, PG. 1390
B.M. 1998, PG. 229

WATSON FAMILY II, LLC
D.B. 19227, PG. 2786
B.M. 2003, PG. 1594

INITIAL
REPAIR

Well Area

PRELIMINARY

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LEGEND:
SURVEYED LINE
UNSURVEYED LINE
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SET IRON PIPE
EXISTING IRON PIPE FOUND
R/W = RIGHT OF WAY
TL = TOTAL

GRAPHIC SCALE
(IN FEET)
1=100

WAKE COUNTY ZONE: R-30
MINIMUM BUILDING SETBACKS
SINGLE FAMILY RESIDENTIAL

FRONT	30'
REAR	30'
SIDE	10'
CORNER SIDE	30'

SURVEY & MAP BY
BOBBY FUQUAY and ASSOCIATES
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GRAMPTON III PLAN

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IMPROVEMENT PERMIT

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

SITE ADDRESS: 8629 DUKES LAKE RD

SUBDIVISION: A & B MORGAN DEVELOPMENT CO **LOT:** 3 **ACRES:** 1.90

DIRECTIONS: N/A

Permit is subject to revocation if the Site Plan or Plat changes or the intended use changes.
*Maximum depth of line is calculated using the downhill side of the trench and includes slope correction.

IP VALID FOR: Five Years AS PER GS 130A-335 (f)
DESIGNED BY: staff
SYSTEM LAYOUT: Staff
SITE CLASSIFICATION: Suitable

IP STATUS: Issued **BY:** John Kase **DATE:** 05/06/2024

NUMBER OF BEDROOMS: 3 **OR TOTAL NUMBER OF OCCUPANTS:** 6
PERMITTED DESIGN FLOW: 360 GPD
BASEMENT: No **BASEMENT PLUMBING:** No
WASTEWATER STRENGTH: Domestic
SYSTEM TYPE: III G
LTAR: 0.300
EXISTING SYSTEM UTILIZED:
PRETREATMENT STRENGTH REQUIRED:
EASEMENT FOR WW SYSTEM ASSOCIATED WITH PARCEL:

MAXIMUM TRENCH DEPTH: 24 INCHES
PUMP REQUIRED: No

SPECIFIC SYSTEM REQUIREMENTS: -System designed for 3 bedroom residence, 360 gals/day.
-Site serviced by private well water.
-Future Repair is a IIIg type system with a max trench depth of 13” and a 0.25 LTAR.
-No cutting, grading, alterations, or utilities in septic area.
-Maintain all required setbacks.

Initial System Limiting Condition at 40"
Repair System Limiting Condition at 27"

ISSUED BY:

DATE: 05/06/2024

RBPR-121603-2024

SITE PLAN APPROVED BY
WAKE COUNTY N.C. P.D.I.
Ivey Shields
04/17/2024 10:22:23 AM

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B.M. 2024, PG. 306

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D.B. 19287, PG. 2195
B.M. 2024, PG. 306

(N.C.S.R. No. 2309) DUKES LAKE ROAD (60' PRESCRIPTIVE PUBLIC R/W)

274'-2"

102 ft

153 ft

Initial System

Repair Area

25 ft

25 ft

25 ft

(2) PAMELA PRIVETT TURNAGE
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B.M. 2023, PG. 1391

(38) 0.519 ACRE (22,590 SQ. FT.) PORTION OF PIN 1798-71-2052

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GRAPHIC SCALE
(IN FEET)
1=100

WAKE COUNTY ZONE: R-30
MINIMUM BUILDING SETBACKS
SINGLE FAMILY RESIDENTIAL

FRONT	30'
REAR	30'
SIDE	10'
CORNER SIDE	30'

SURVEY & MAP BY
BOBBY FUQUAY and ASSOCIATES
8525 MAL WEATHERS RD., RALEIGH N.C., 27613
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GRAMPTON III PLAN

SITE PLAN FOR
SILVIA LERENA
LITTLE RIVER TOWNSHIP, WAKE COUNTY, NORTH CAROLINA
PIN: 1798-71-2052
SCALE: 1" = 40'
DATE: 04-09-2024
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