



Onslow County Health Department
 234 Northwest Corridor Blvd
 Jacksonville, North Carolina 28540
 Phone: (910) 938-5851 Fax: (910) 989-5819

OPERATIONS PERMIT

(GS 130A-337)

Owner: GARLAND SHORES HOMEOWNERS ASSOCIATION, GARLAND SHORES HOMEOWNERS ASSOCIATION
Address: 206 BAKER ROAD, HUBERT, NC 28539

Parcel: ~~1314-38~~ 1314H-55

Subdivision: GARLAND SHORES

Lot Number: 21 **Section:** **Phase:**

Block: **Part:** **Tract:**

Proposed Use: SINGLE FAMILY RESIDENCE

Location: HWY 24 TOWARDS SWANSBORO, R ON STARLING RD, R ON SANDRIDGE RD, L ON QUEENS CREEK RD, R ON HENSON, L ON MORSE AND L ON GARLAND.

Facility/Daily design flow: 3 BEDROOM/<360 GPD/ 6 PERSONS MAX

System Information: PERMIT ISSUED UNDER .1900 RULES. DOMESTIC STRENGTH EFFLUENT

Accepted System - No Reduction - 4(72') LINES / 1800 SQ. FT. ANAEROBIC DRIP REPAIR

SEPTIC INSTALLER: FRANK ALLEN

Water Supply: PUBLIC

System Description: Accepted System - No Reduction, Infiltrator Quick4 Plus Standard

Permit No: EHOP-2024-00020

Workclass: EH OP New

FINAL PLOT / REMARKS

System Type: III

System Classification: g. Non-Conventional trench system

Manufacturer: Infiltrator

Model#: IQ4PS

Note: Type V and VI systems expire in 5 years. (In accordance with Table Va of .1961). Owner must contact the Onslow County Health Department 6 months prior to expiration for permit renewal. Onslow County Health Department is required to inspect the following system types: IIIb, every 5 years; IV, every 3 years; V, once per year and VI, every six months.

Signed By: Andrew Lake

Date: 01/31/2024

This system has been installed in compliance with applicable NC General Statutes, Rules for Sewage Treatment and Disposal, and all conditions of the I.P. and C.A. This system shall perform in accordance with 15A NCAC 18A Rule .1961. Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank periodically removed from all compartments. The contents shall be pumped, by approved means, whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

THE ISSUANCE OF THIS O.P. DOES NOT CONSTITUTE AN ONSLOW COUNTY WARRANTY OR GUARANTEE OF THE FUNCTIONALITY OF THE WASTEWATER SYSTEM

Owner: Garland Shores
 Address: 206 Baker Road
 Location: Hubert, NC

PLOT PLAN

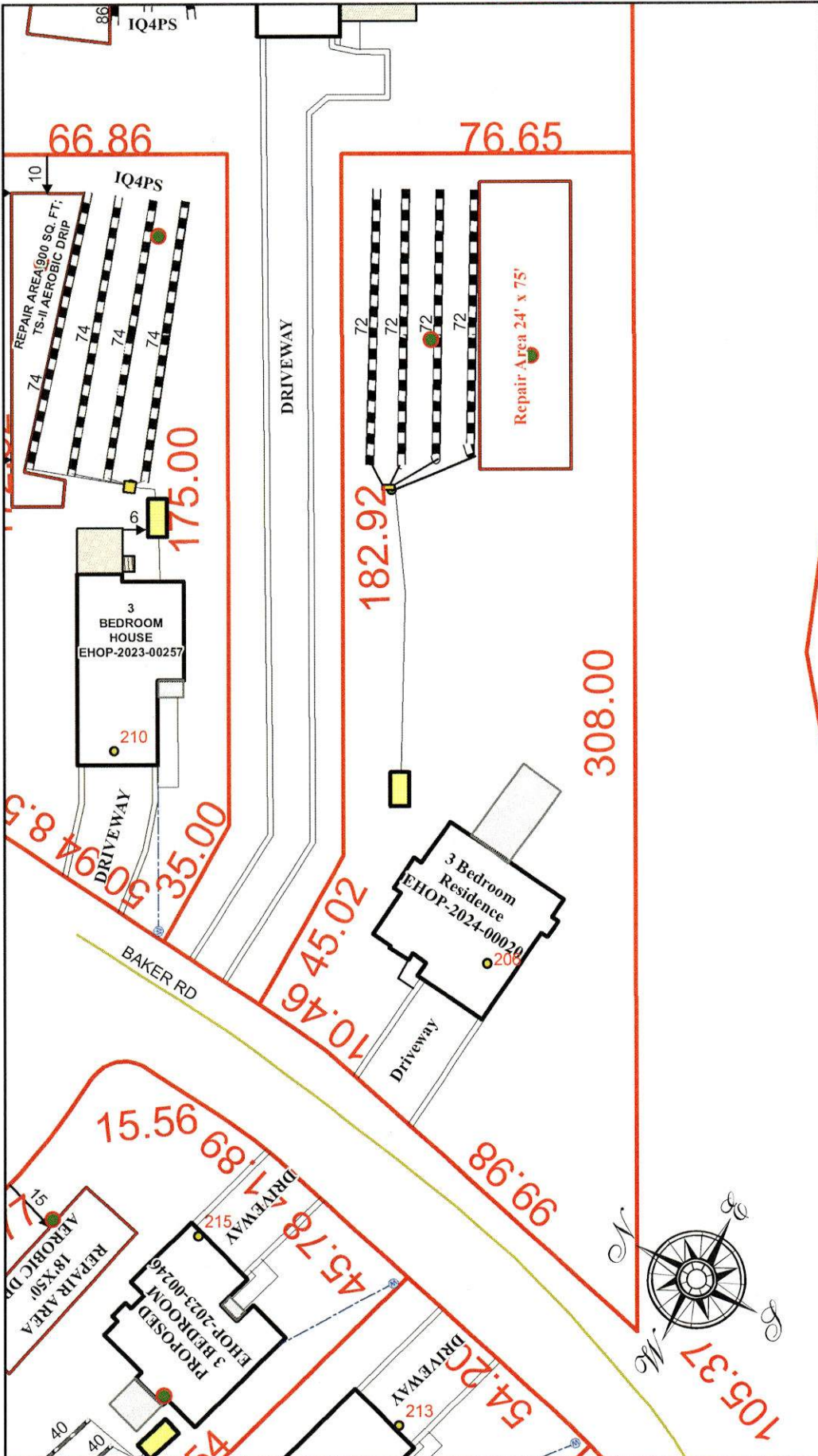
Addendum to permit # EHOP-2024-00020
 Page 1 of 1

1 inch = 40 feet

"AS BUILT"
1/31/2024

Additional Permit Conditions:

- Do not park or drive on any part of system or repair area.
- Nitrification trench aggregate shall be covered with straw, untreated paper or other approved materials prior to final cover/backfilling.
- Do not install system under wet conditions.
- Adhere to minimum set back requirements as stated in Rule .1950 and .1951 of NC Laws and Rules for Sewage Treatment and Disposal System (Article 11, G.S. Chapter 130A) unless otherwise indicated on this permit.
- Rock used in soil absorption systems shall be clean, washed gravel or crushed stone and graded or sized in accordance with size numbers 3, 4, 5, 57, or 6 of ASTM D-448 (standard sizes of coarse aggregate) which is hereby adopted by reference in accordance with G.S. 150 B-14 (c). Documentation of aggregate size shall be available upon request.
- All pump tanks shall be tested for water tightness. Septic tanks may be subject to a water tightness test.
- The septic tank is designed to receive sewage or wastewater under gravity flow. However, if a system subject to the N.C. Plumbing Code is used to pump raw sewage to the septic tank, the sewage shall be reduced to gravity/non-turbulent flow by approved means at the inlet of the septic tank.
- An accepted wastewater system may also be installed in accordance with the accepted wastewater system approval. (Maximum LTAR of 1.0 gpd/ft2)
- Run lines parallel to contour. System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to insure that proper grade is maintained.
- A recorded plat or deed and corresponding map shall be submitted to the Environmental Health Section of the Onslow County Health Department PRIOR TO the issuance of the Construction Authorization.
- An APPROVED stormwater plan shall be submitted to the Environmental Health Section of the Onslow County Health Department PRIOR to issuance of a Construction Authorization.
- FOR DWELLING UNIT WASTEWATER SYSTEMS ONLY – This wastewater system is designed only for the number of bedrooms shown as bedrooms or sleeping rooms on the building/floor plan approved by Onslow County Code Enforcement. No other room or space may be relabeled as a bedroom, used as a bedroom, or converted into a bedroom without prior approval from Onslow County Environmental Health.



SYSTEM DESIGN

# BEDROOMS/ GPD:	3 Bedroom/ <360 GPD/ 6 Persons Ma
SYSTEM TYPE:	11lg - IQ4PS
% REDUCTION:	No Reduction
LTAR:	4
SQ. FT.	900
LINEAR FEET	300
# OF LINES:	4
LENGTH EACH LINE:	75'
TRENCH BOTTOM:	12" - 18"
TRENCH WIDTH:	3' FEET
FEET ON CENTER(LINES)	9' FEET
REPAIR AREA:	24' x 75' Anaerobic Drip

****WARNING: THIS IS NOT A SURVEY!****

This map is prepared for the inventory of real property found within this jurisdiction, and is compiled from recorded deeds, plats, and other public records and data. Users of this map are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information contained on this map. The County and mapping company assume no legal responsibility for the



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CONSTRUCTION AUTHORIZATION

(GS 130A-336)

Permit No: EHCA-2023-00113

Workclass: EH CA New

(Required for Building Permit)

THIS AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION SHALL BE VALID FOR A PERIOD EQUAL TO THE PERIOD OF VALIDITY OF THE IMPROVEMENT PERMIT.

Owner: GARLAND SHORES HOMEOWNERS ASSOCIATION, C/O CHARITY HURLBURT//HOA

Address: , GARLAND SHORES DR, HUBERT, NC 28539

Subdivision: GARLAND SHORES

Lot Number: 21

Section:

Phase:

Block:

Part:

Tract:

Proposed Use: SINGLE FAMILY RESIDENCE

Location: HWY 24 TOWARDS SWANSBORO, R ON STARLING RD, R ON SANDRIDGE RD, L ON QUEENS CREEK RD, R ON HENSON, L ON MORSE AND L ON GARLAND.

System Type: II

System Classification: a. Conventional septic SF or 480 GPD or less

System Description: Conventional, Gravel Trench

Facility/Daily design flow: 3 BEDROOM/<360 GPD/ 6 PERSONS MAX

System Information: CONVENTIONAL SYSTEM - 4(75') LINES / 1800 SQ. FT. ANAEROBIC DRIP REPAIR

LTAR: 0.4 gpd/sq. ft.

Water Supply: PUBLIC

Septic Tank Size: 1000 gallons

Grease Trap Size: N/A gallons

Pump Tank Size: N/A gallons

Nitrification Area: 900 sq. ft.

Nitrification Linear Feet: 300 lin. ft.

No of Lines: 4

Line Length: 75'

Line Width: 3'

Trench Bottom Depth: 12"-18"

(SEE ATTACHED PAGES 1 - 1 of 1 FOR ADDITIONAL PERMIT CONDITIONS)

Signed By: Erin Moye

Date: 04/04/2023

This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958 and .1959 are incorporated by reference into this permit and shall be met.

THE ISSUANCE OF THIS C.A. DOES NOT CONSTITUTE AN ONSLOW COUNTY WARRANTY OR GUARANTEE OF THE FUNCTIONALITY OF THE WASTEWATER SYSTEM



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IMPROVEMENT PERMIT

(GS 130A-336)

Permit No: EHIP-2021-00086

Workclass: EH IP New

A building permit cannot be issued with only an Improvement Permit

Expiration: Valid For 5 Years From The Date of Issuance 05/20/2021

Owner: GARLAND SHORES DEVELOPERS INC

Address: , GARLAND SHORES DR, HUBERT, NC 28539

Subdivision: GARLAND SHORES

Lot Number: 21

Section:

Phase:

Block:

Part:

Tract:

Proposed Use: SINGLE FAMILY RESIDENCE

Location: HWY 24 TOWARDS SWANSBORO, R ON STARLING RD, R ON SANDRIDGE RD, L ON QUEENS CREEK RD, R ON HENSON, L ON MORSE AND L ON GARLAND.

System Type: II

System Classification: a. Conventional septic SF or 480 GPD or less

System Description: Conventional, Gravel Trench

Facility/Daily design flow: 3 BEDROOM/<360 GPD/ 6 PERSONS MAX

System Information: CONVENTIONAL SYSTEM - 4(75') LINES / 1800 SQ. FT. ANAEROBIC DRIP REPAIR

LTAR: 0.4 gpd/sq. ft.

Water Supply: PUBLIC

(SEE ATTACHED PAGES 1 - 1 of 1 FOR ADDITIONAL PERMIT CONDITIONS)

Signed By: Erin Moyer

Date: 05/20/2021

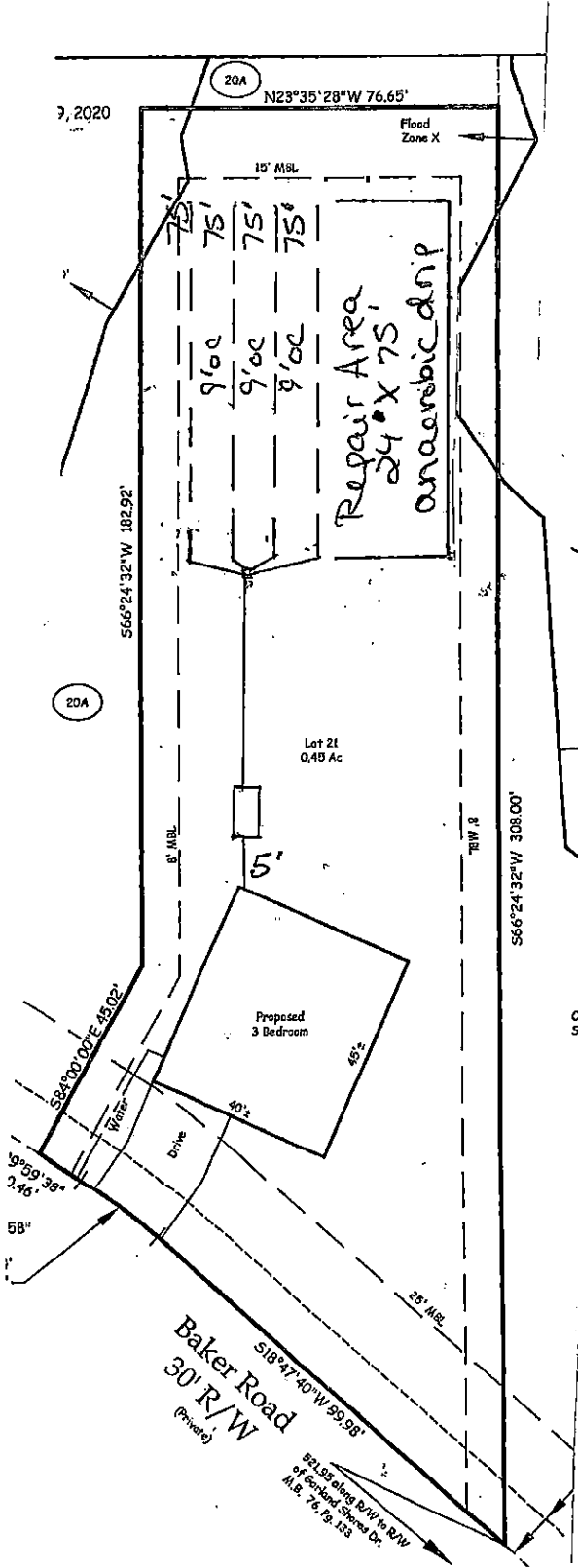
The issuance of this permit by the Onslow County Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This permit is subject to revocation if the site plan, plat, or the intended use changes. This Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit.

OWNER: Garland Shores
 ADDRESS: Lot 21
 LOCATION: Baker Rd

PLOT PLAN

SCALE: 1 inch = 40 feet

5/20/21



ADDITIONAL PERMIT CONDITIONS:

1. Do not park or drive on any part of the septic system or repair area.
2. Nitrification trench aggregate shall be covered with straw, untreated paper or other approved materials prior to final cover / backfilling.
3. Do not install system under wet conditions.
4. Rock used in soil absorption systems shall be clean, washed gravel or crushed stone and graded or size in accordance with size numbers 3, 4, 5, 57, or 6 of ASTM D-448 (standard sizes of coarse aggregate) which is hereby adopted by reference in accordance with G.S. 150 B-14 (c). Documentation of aggregate size shall be available upon request.
5. Adhere to minimum setback requirements as stated in Rule .1950 and .1951 of NC Laws and Rules for Sewage Treatment and Disposal Systems (Article 11, G.S. Chapter 130A), unless otherwise indicated in this permit.
6. All pump tanks shall be tested for water tightness. In addition, septic tanks may be subject to a water tightness test.
7. The septic tank is designed to receive sewage or wastewater under gravity flow. However, if a system subject to the N.C. Plumbing Code is used to pump raw sewage to the septic tank, the sewage shall be reduced to gravity/non-turbulent flow by approved means at the inlet of the septic tank.
8. An accepted wastewater system may also be installed in accordance with the Accepted Wastewater System Approval (AWWS-05-01 or AWWS-05-02). Maximum LTAR of 1.0 gpd / ft².
9. Run lines parallel to contour. System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to insure that proper grade is maintained.
10. A recorded plat or deed and corresponding map shall be submitted to the Environmental Health Section of the Onslow County Health Department **PRIOR TO** the issuance of the Construction Authorization.
11. An **APPROVED** stormwater plan shall be submitted to the Environmental Health Section of the Onslow County Health Department **PRIOR** to issuance of a Construction Authorization.
12. **FOR DWELLING UNIT WASTEWATER SYSTEMS ONLY** - This wastewater system is designed only for the number of bedrooms shown as bedrooms or sleeping rooms on the building/floor plan approved by Onslow County Code Enforcement. No other room or space may be relabeled as a bedroom, used as a bedroom, or converted into a bedroom without prior approval from Onslow County Environmental Health.

SYSTEM DESIGN

BEDROOMS/ GPD: 3 BR / 5360 gpd
 SYSTEM TYPE: conventional
 % REDUCTION: none
 LTAR: 0.4
 SQ. FT. 900 LINEAR FEET 300
 # OF LINES: 4
 LENGTH EACH LINE: 75'
 TRENCH BOTTOM: 12" - 18"
 TRENCH WIDTH: 3 FEET W/ LINES
9 FEET ON CENTER
 REPAIR AREA: 24' X 75'; 0.2 LTAR
anaerobic drip
1800 Ft² @ 2 j6" TB