



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: WANGERIN STEVEN W & CATHERINE J
 Address: 120 SHELL ROCK LN, HUBERT, NC 28539
 Parcel: 1315G-10

Subdivision: THE VILLAGE AT SHELL ROCK LANDI

Lot Number: 10 Section: Phase:
 Block: Part: Tract:

Proposed Use: Single Family

Location: Shell Rock Landing, Hubert

Facility/Daily design flow: 4 Bedroom/4480 gpd

System Information: pumping to 25% reduction accepted system - 3(50') lines installed /
 25% reduction repair - 3(50') lines

Septic Installer: Kevin Padgett

Water Supply: Public

System Description: 25% Reduction Accepted System, Infiltrator Quick-I Plus Standard,
 Effluent Pump

Permit No: EHOP-2017-00348

Workclass: E11 OP New

FINAL PLOT / REMARKS
System Type: III b
System Classification: b. Septic system w/ single effluent pump or siphon
Manufacturer: Infiltrator Quick-I Plus Standard
Model#: 1Q4

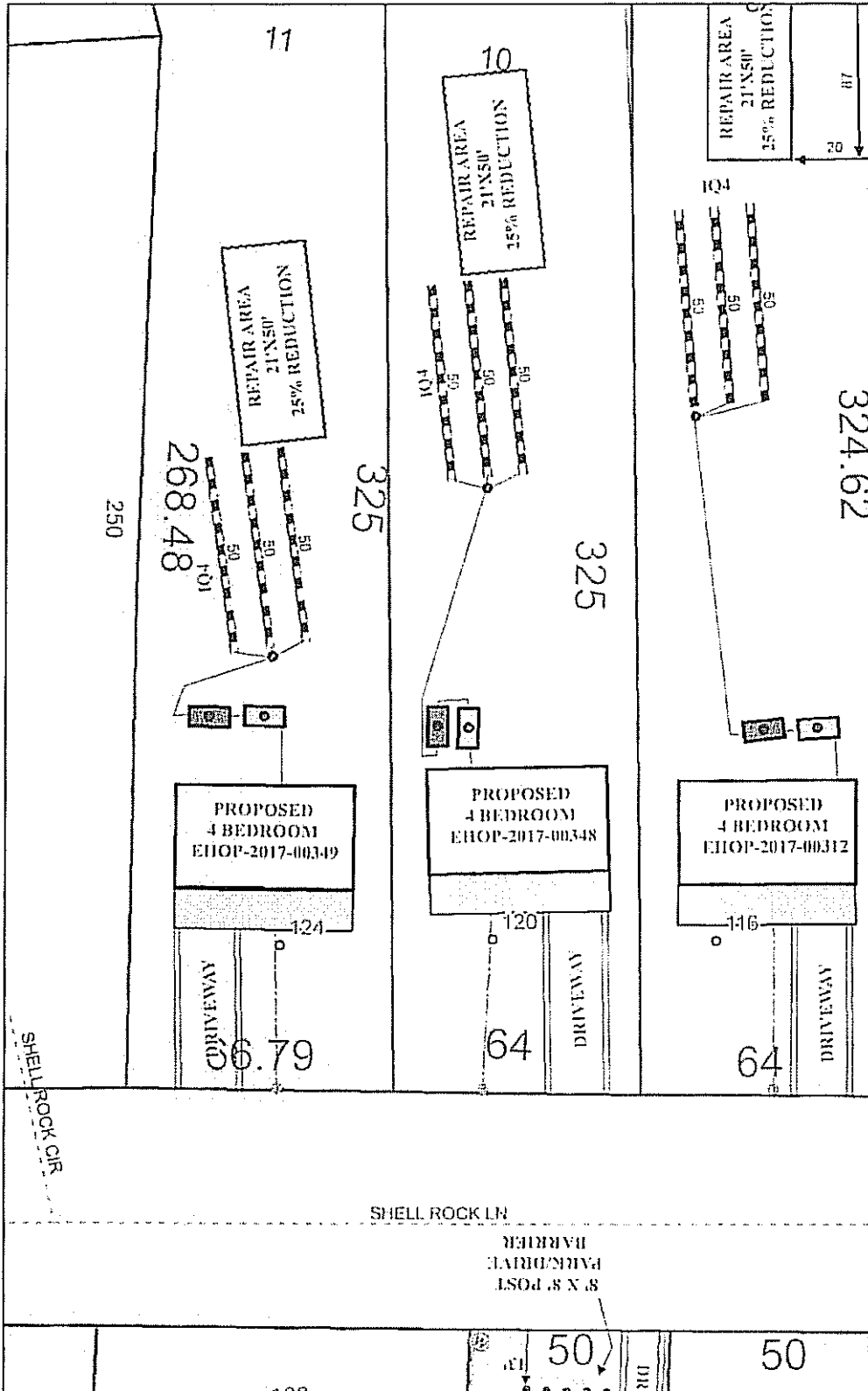
Notes: Type V and VI systems expire in 5 years. (In accordance with Table Va of .1961). Owner must contact the Onslow County Health Department 6 months prior to expiration for permit renewal. Onslow County Health Department is required to inspect the following system types: IIIb, every 5 years; IV, every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

Signed By: Sam Frazelle

Date: 08/29/2017

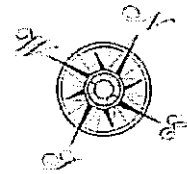
This system has been installed in compliance with applicable NC General Statutes, Rules for Sewage Treatment and Disposal, and all conditions of the I.P. and C.A. This system shall perform in accordance with 15A NCAC 18A Rule .1961. Ground absorption sewage treatment and disposal systems shall be checked, 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



Additional Permit Conditions:

1. Do not park or drive on any part of 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. 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.
5. 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.
6. All pump tanks shall be tested for water tightness. 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. (Maximum LTR of 1.0 gpd/sqft)
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:	4 BEDROOM / 400 GPD
SYSTEM TYPE:	CHAMBER W/ PUMP
% REDUCTION:	25%
LTAR:	0
SQ. FT.:	450'
LINEAR FEET:	150'
# OF LINES:	3
LENGTH EACH LINE:	50'
TRENCH BOTTOM:	24"
TRENCH WIDTH:	3' FEET
FEET ON CENTER (LINES):	9' FEET
REPAIR AREA:	SAME

****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 information contained on this map.

SEPTIC TANK INSPECTION CHECKLIST (Type II-V)

Name: Village @ Shell Rock
 Address: Lot 10
 Date of CA Application: 2-21-17
 Date of Construction Authorization: 2-24-17
 System Type: Chamb w/pump

Permit #'s: EHOP 2017-00348
 Location: 20 Shell Rock Ln
 Initial System Off-Site: Yes/No (No)
 Repair Area Off-Site: Yes/No (No)

SEPTIC TANK	INITIAL DATE	NITRIFICATION LINES/LATERALS	INITIAL DATE
Manufacture Date	<u>6-24-17</u>	Trench/Lateral Type/Aggregate	<u>EM</u>
State ID Number	<u>STB 024</u>	Trench Width:	<u>8-9-17</u>
Capacity	<u>PAGE/000</u>	Trench Length:	<u>3' Chamb</u>
Fee/Approved Filter		% Reduction Taken:	<u>50'</u>
Baffle		Trench Bottom/Lateral Depth	<u>25%</u>
Sealant		Number of Lines/Laterals	<u>12"-18"</u>
Tank Penetration Seal		Trench Grade	<u>3</u>
Riser if Applicable	<u>NA</u>	Rock Depth & Quality (3, 4, 5, 57, 6)	<u>OK</u>
Water Tightness Test		Aggregate Cover	<u>NA</u>
		Warranty(if applicable)	
		Dams/Stepdowns/Drop box, etc.	
PUMP TANK	<u>EM</u>	Pressure Lateral:	
Manufacture Date	<u>2-20-17</u>	Hole Spacing/Hole Sizing:	
State ID Number	<u>PT 385</u>	Turn-ups/Protectors	
Capacity	<u>PAGE/000</u>	Observation Ports	
Waterproof/Sealant			
Riser		DISTRIBUTION SYSTEM	<u>EM</u>
Water Tightness Test	<u>vacuum</u>	Distribution Method:	<u>8-16-17</u>
	<u>5" for 2 min</u>	Serial Dist.	<u>NA</u>
		Pressure Manifold	<u>EM</u>
		Tap Size & Material	<u>8-16-17</u>
		Pipe (Size, Material & Grade)	
		Valves (Bull Run, Flow Divider, etc...)	
		Valves	
		SUPPLY LINE	<u>NA</u>
		Location	
		Pipe (Material)	
		Depth (if specified)	
		Pipe Size	
		Hydrostatic Leak Test:	
		LANDSCAPING	
		Surface Drain	
		Subsurface Drain	
		Depth of Cover: Tank: Drainfield:	
		Will Shed Surface Water (Turtleback)	
		Finish Grade/Stabilize (if applicable)	
		Permanent Markers (tank)	
		OTHER	<u>EM</u>
		System Setbacks	<u>8-9-17</u>
		Legal Documents	<u>NA</u>
		Mound Approved (Texture, Interface, Location, Length, Depth, Width)	
		ORC Contract/Company	
		Tri-Party Draft	
		Tri-Party Finalized/Recorded	
		Grinder Pump Needed?	
		Wye Connect/Grinder Approval	
GREASE TRAP	<u>NA</u>		
Manufacture Date			
State ID Number			
Capacity			
Fee/Approved Filter (Extends 50% of fluid depth)			
" Access Opening			
Water Tightness Test			

