

HTE# SFD1910-0026

# Harnett County Department of Public Health

25970

PERMIT # NA

## Operation Permit

New Installation  Septic Tank  Nitrification Line  Repair  Expansion

PROPERTY LOCATION: 117 Allwood Dr. (Christian Ct. Road)

Name: (owner) KB Homes Carolinas

SUBDIVISION Mason Point PH 2 LOT # 5

System Installer: Thorlons Plumbing

Registration # \_\_\_\_\_

Basement with plumbing:  Garage  Number of Bedrooms 4

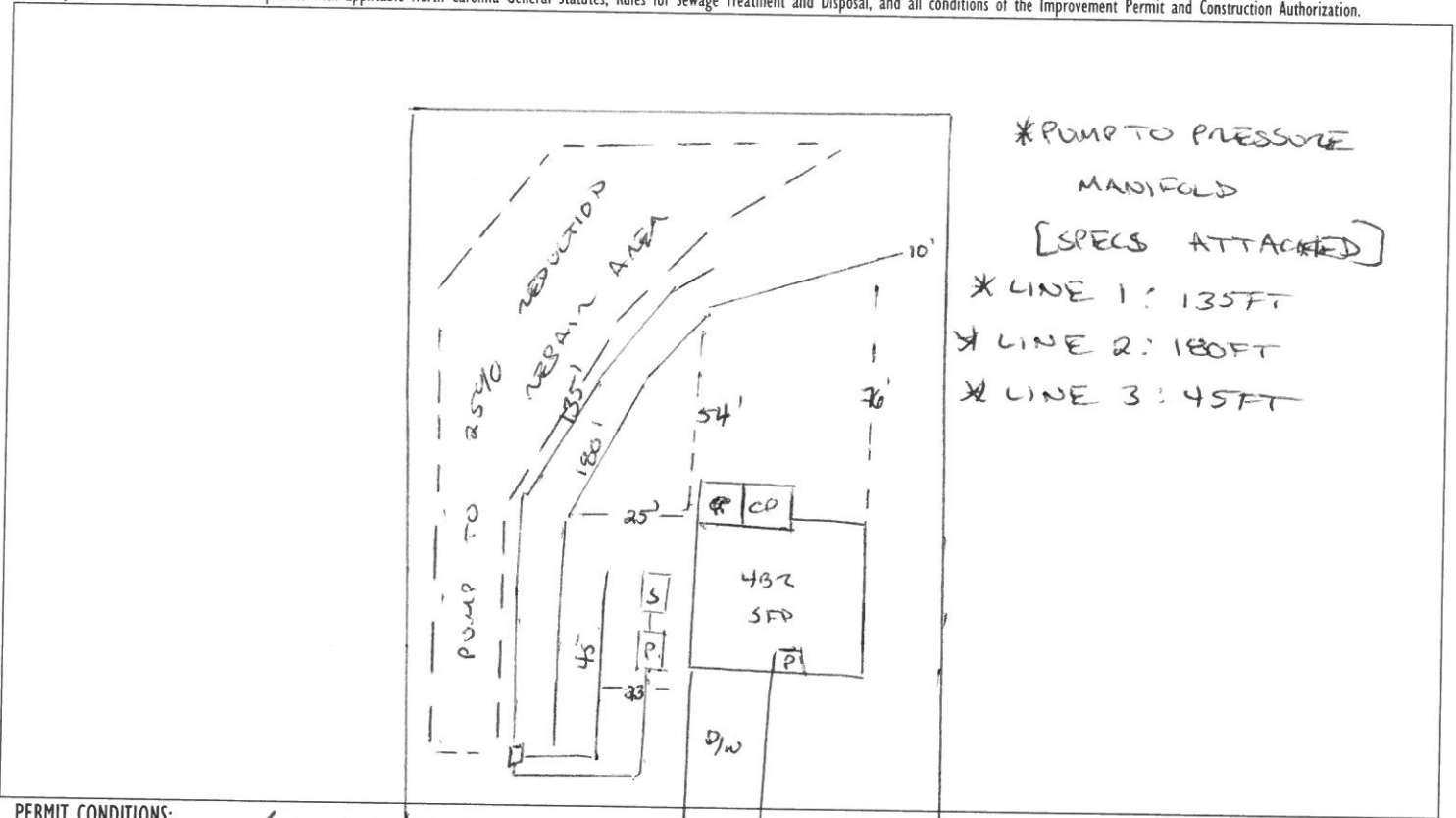
Type of Water Supply:  Community  Public  Well Distance from well NA feet

System Type: 25% Reduction Sys. III Types V and VI Systems expire in 5 years.

(In accordance with Table V a)

Owner must contact Health Department 6 months prior to expiration for permit renewal.

This system has been installed in compliance with applicable North Carolina General Statutes, Rules for Sewage Treatment and Disposal, and all conditions of the Improvement Permit and Construction Authorization.



### PERMIT CONDITIONS:

- I. Performance: System shall perform in accordance with Rule .1961.
- II. Monitoring: As required by Rule .1961.
- III. Maintenance: As required by Rule .1961. Other: \_\_\_\_\_  
Subsurface system operator required? Yes  No   
If yes, see attached sheet for additional operation conditions, maintenance and reporting.
- IV. Operation: \_\_\_\_\_
- V. Other: \_\_\_\_\_

D-Box  Pump  Alarm  H2O Line  PWR Line

Following are the specifications for the sewage disposal system on the above captioned property.

Type of system:  Conventional  Other EE Flow IIIb Septic Tank: 1000 gallons Pump Tank: 1000 gallons

Subsurface No. of exact length 45, 180, 135 width of depth of  
Drainage Field ditches 3 of each ditch \_\_\_\_\_ feet ditches 3 feet ditches 18 inches

French Drain Required: \_\_\_\_\_ Linear feet

Authorized State Agent [Signature] Date 02/13/2020

**Mason Point Lot 5**

<b>Bench Mark</b>	is = 100.00		Location of BM EIP				<b>Elevation Head</b>	5.40	
<b>Pump tank elev.</b>	100.00	<b>Pump elev.</b>	94.60	<b>Manifold elev.</b>		96.30			
<b>line</b>	<b>color</b>	<b>rod read</b>	<b>Elevation</b>	<b>length</b>	<b>hole size</b>	<b>flow/tap</b>	<b>gal/day</b>	<b>trench area</b>	<b>LINE LTAR</b>
5	Red	4.70	95.30	140	1in SCH 80	16.8	189.83	420	0.4520
6	Orange	5.20	94.80	180	1in SCH 40	20.2	228.25	540	0.4227
7	Purple	5.80	94.20	45	1/2in SCH 80	5.48	61.92	135	0.4587

<b>total</b>	<b>feet =</b>	<b>365</b>	<b>gal/min =</b>	<b>42.48</b>	<b>LTAR =</b>	<b>0.3500</b>
					<b>LTAR + %5</b>	<b>0.3675</b>
		<b>Des. Flow</b>	<b>480</b>		<b>(ltar W/ INOV)</b>	<b>0.4667</b>
		<b>Pump Run=</b>	<b>11.30</b>		<b>(ltar W/ INOV + 5%)</b>	<b>0.4900</b>
		<b>Tank Gal/IN</b>	<b>19.65</b>			

**Mason Point Lot 5  
Repair**

<b>Bench Mark</b>	is = 100.00		Location of BM EIP				<b>Elevation Head</b>	3.4	
<b>Pump tank elev.</b>	100	<b>Pump elev.</b>	95	<b>Manifold elev.</b>		98.4			
<b>line</b>	<b>color</b>	<b>rod read</b>	<b>Elevation</b>	<b>length</b>	<b>hole size</b>	<b>flow/tap</b>	<b>gal/day</b>	<b>trench area</b>	<b>LINE LTAR</b>
1	Purple	2.60	97.40	45	1/2in SCH 80	5.48	61.33	135	0.4543
2	Blue	3.20	96.80	85	1/2in SCH 40	7.11	79.57	255	0.3120
3	Yellow	3.70	96.30	110	3/4in SCH 80	10.1	113.03	330	0.3425
4	Pink	4.20	95.80	200	1in SCH 40	20.2	226.07	600	0.3768

<b>total</b>	<b>feet =</b>	<b>440</b>	<b>gal/min =</b>	<b>42.89</b>	<b>LTAR =</b>	<b>0.35</b>
					<b>LTAR + %5</b>	<b>0.3675</b>
		<b>Des. Flow</b>	<b>480</b>		<b>(ltar W/ INOV)</b>	<b>0.4667</b>
		<b>Pump Run=</b>	<b>11.19</b>		<b>(ltar W/ INOV + 5%)</b>	<b>0.4900</b>
		<b>Tank Gal/IN</b>	<b>19.65</b>			