

PERMIT # NA

Operation Permit

521412

New Installation Septic Tank Nitrification Line Repair Expansion

PROPERTY LOCATION: 120 ALWOODS DR. (CHRISTIAN LT AD)

Name: (owner) KB HOMES CAROLINAS SUBDIVISION MASON POINTE PH 2 LOT # 8

System Installer: THOMPSON PUMPING Registration # _____

Basement with plumbing: Garage Number of Bedrooms 3

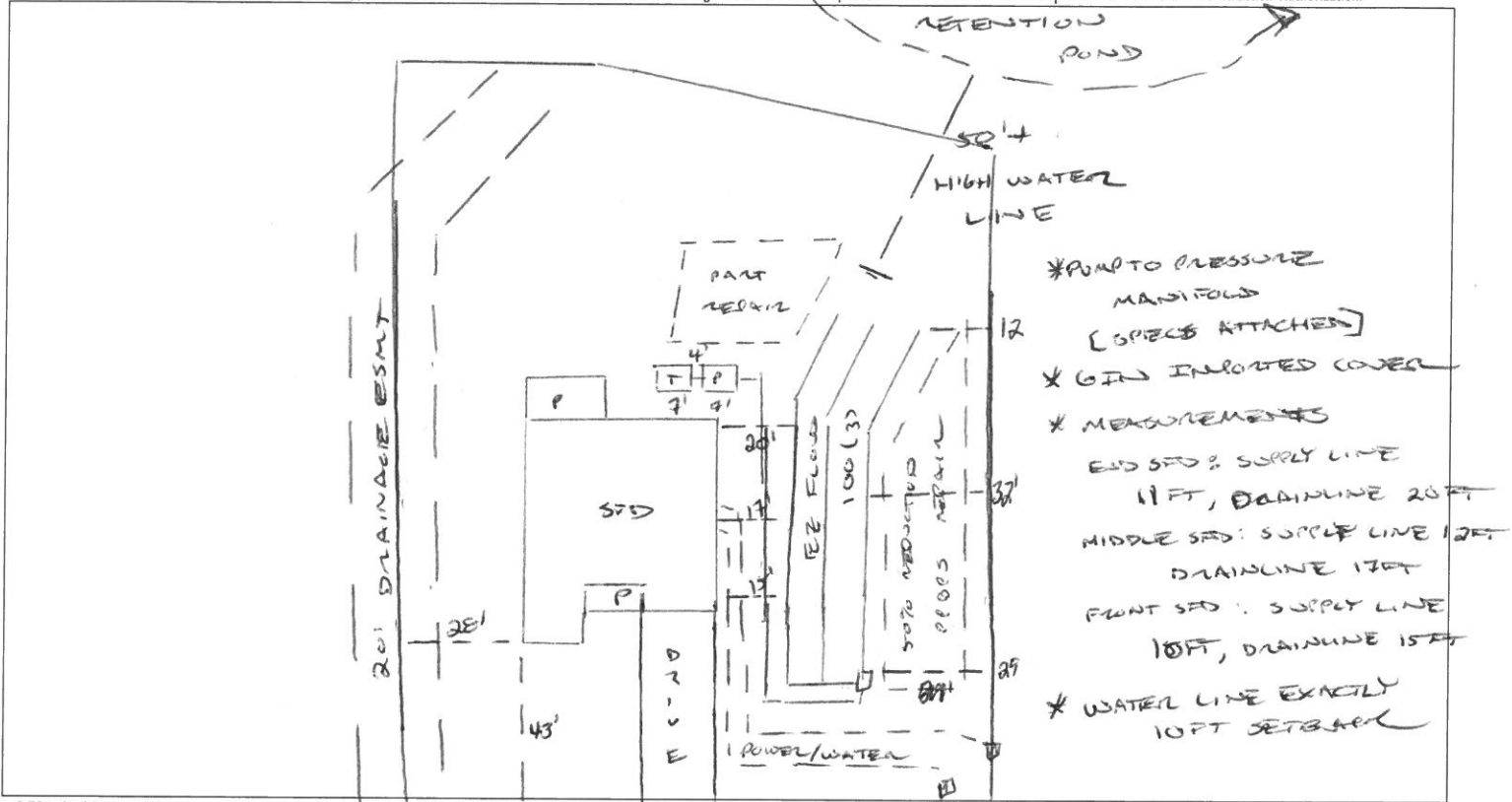
Type of Water Supply: Community Public Well Distance from well NA feet

System Type: 25% REDUCTION SIS - III D 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 III D Septic Tank: 1000 gallons Pump Tank: 1000 gallons

Subsurface No. of exact length width of depth of
Drainage Field ditches 3 of each ditch 100 feet ditches 3 feet ditches 12 inches

French Drain Required: _____ Linear feet

Authorized State Agent [Signature] Date 08/20/2020

Mason Point Lot 8

Bench Mark		is = 100.00 Location of BM EIP				Elevation Head			
Pump tank elev.		6	94.00	Pump elev.	88.60	Manifold elev.			
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
5	Pink	4.10	95.90	100	3/4in SCH 80	10.1	120.00	300	0.4000
6	Red	4.50	95.50	100	3/4in SCH 80	10.1	120.00	300	0.4000
7	Blue	4.70	95.30	100	3/4in SCH 80	10.1	120.00	300	0.4000

total	feet =	300	gal/min =	30.3	<u>LTAR =</u>	0.3500	
					<u>LTAR + %5</u>	0.3675	
				<u>Des. Flow</u>	360	(ltar W/ INOV)	0.4667
				<u>Pump Run=</u>	11.88	(ltar W/ INOV + 5%)	0.4900
				<u>Tank Gal/IN</u>	19.65		

**Mason Point Lot 8
Repair**

Bench Mark		is = 100.00 Location of BM EIP				Elevation Head			
Pump tank elev.		6	94	Pump elev.	89	Manifold elev.			
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
3	Yellow	3.70	96.30	65	1/2in SCH 80	5.48	78.35	195	0.4018
4	Purple	4.10	95.90	80	1/2in SCH 40	7.11	101.65	240	0.4236
8	Yellow	4.90	95.10	70	1/2in SCH 40	7.11	101.65	210	0.4841
9	Orange	4.80	95.20	55	1/2in SCH 80	5.48	78.35	165	0.4748

total	feet =	270	gal/min =	25.18	<u>LTAR =</u>	0.35	
					<u>LTAR + %5</u>	0.3675	
				<u>Des. Flow</u>	360	(ltar W/ INOV)	0.4667
				<u>Pump Run=</u>	14.30	(ltar W/ INOV + 5%)	0.4900
				<u>Tank Gal/IN</u>	19.65		