

HTE# SFD1904-0051

Harnett County Department of Public Health

25661

PERMIT # NA

Operation Permit

521412

New Installation Septic Tank Nitrification Line Repair Expansion

PROPERTY LOCATION: 20 White Quartz Pl. (Christian Ct. Rd.)

Name: (owner) KB Homes Carolinas SUBDIVISION Mason Pointe LOT # 50

System Installer: Thornton's Plumbing Registration # _____

Basement with plumbing: Garage Number of Bedrooms 4

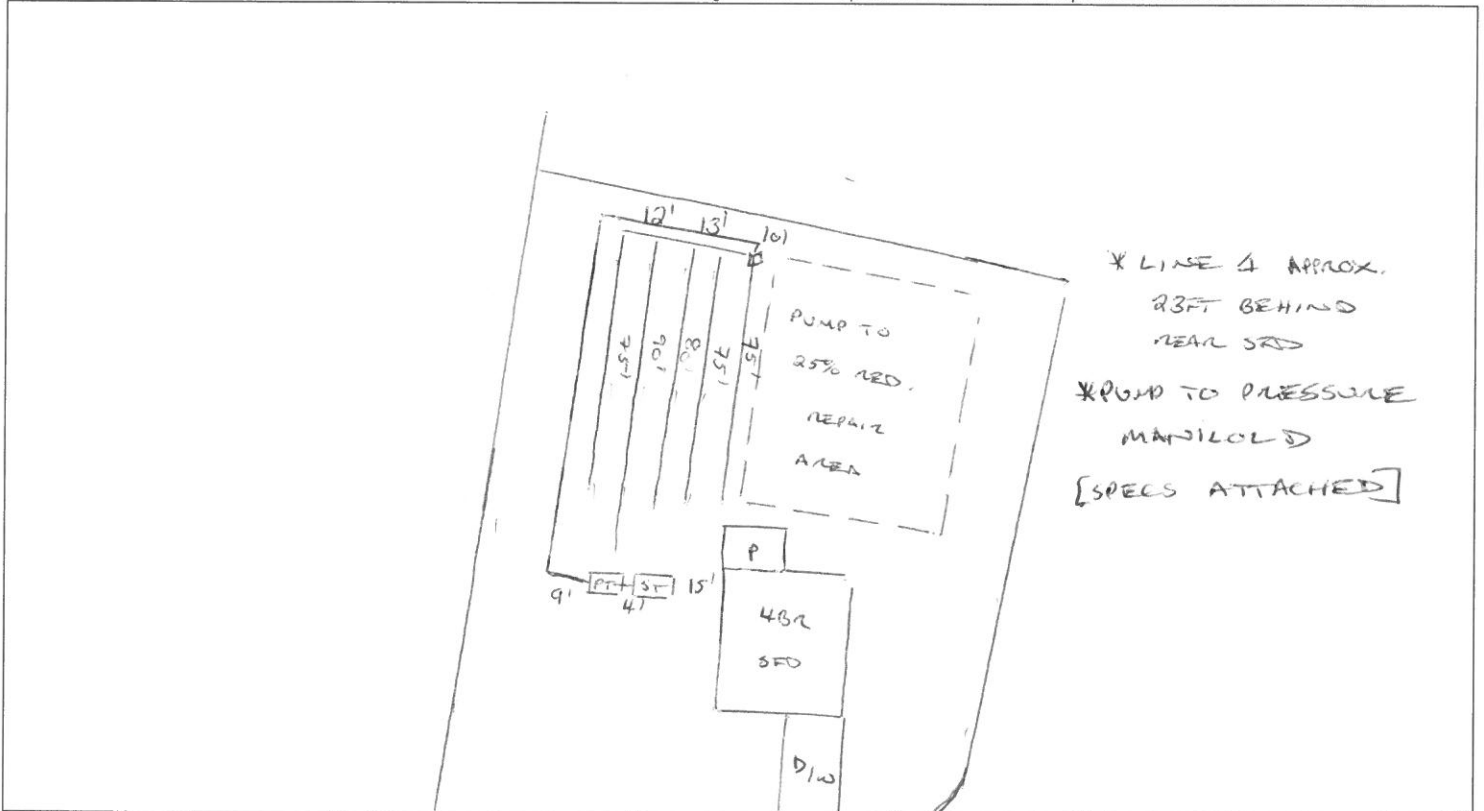
Type of Water Supply: Community Public Well Distance from well NA feet

System Type: 25% Reduction Sys III b 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 IIIg Septic Tank: 1000 gallons Pump Tank: 1000 gallons
 Subsurface No. of exact length 75, 75, 80, width of depth of
 Drainage Field ditches 5 of each ditch 90, 75 feet ditches 3 feet ditches 24 inches
 French Drain Required: _____ Linear feet

Authorized State Agent [Signature] Date 09/05/2019

**Masons Pointe S/D Lot 50
SYSTEM TAP CHART**

Bench Mark		is = 100.00 Location of BM				Elevation Head			2.30
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.			96.90	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
6	Yellow	4.10	95.90	75	1/2in SCH 40	7.11	88.55	225	0.3936
7	Pink	4.20	95.80	75	1/2in SCH 40	7.11	88.55	225	0.3936
8	Yellow	4.30	95.70	80	1/2in SCH 40	7.11	88.55	240	0.3690
9	Blue	4.50	95.50	90	3/4in SCH 80	10.1	125.79	270	0.4659
10	Pink	4.60	95.40	75	1/2in SCH 40	7.11	88.55	225	0.3936
total		feet =	395	gal/min =	38.54	LTAR =		0.3500	
						LTAR + %5		0.3675	
% of Dose Vol.	75	Des. Flow		480	(ltar W/ INOV)		0.4667		
Dose Volume	192.56	Pump Run=		12.45	(ltar W/ INOV + 5%		0.4900		
Dose Pump Time	5.00	Tank Gal/IN		19.65					
Drawdown in Inches	9.80								

**Masons Pointe S/D Lot 50
Repair TAP CHART**

Bench Mark		is = 100.00 Location of BM				Elevation Head			3.00
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.			97.60	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Yellow	3.40	96.60	70	1/2in SCH 40	7.11	96.73	210	0.4606
2	Purple	3.50	96.50	55	1/2in SCH 80	5.48	74.56	165	0.4519
3	Orange	3.60	96.40	75	1/2in SCH 40	7.11	96.73	225	0.4299
4	Blue	3.80	96.20	95	3/4in SCH 80	10.1	137.41	285	0.4822
5	Orange	4.00	96.00	65	1/2in SCH 80	5.48	74.56	195	0.3823
total		feet =	360	gal/min =	35.28	LTAR =		0.3500	
						LTAR + %5		0.3675	
% of Dose Vol.	75	Des. Flow		480	(ltar W/ INOV)		0.4667		
Dose Volume	175.50	Pump Run=		13.61	(ltar W/ INOV + 5%		0.4900		
Dose Pump Time	4.97	Tank Gal/IN		19.65					
Drawdown in Inches	8.93								