

HTE# SFD1904-0052

Harnett County Department of Public Health

25667

PERMIT # NA

Operation Permit

521412

New Installation Septic Tank Nitrification Line Repair Expansion

PROPERTY LOCATION: 58 White Quartz Pl. (Christian Lk. Rd.)

Name: (owner) KB Homes Carolina SUBDIVISION Mason Pointe LOT # 57

System Installer: Thorntons Plumbing Registration # _____

Basement with plumbing: Garage Number of Bedrooms 5

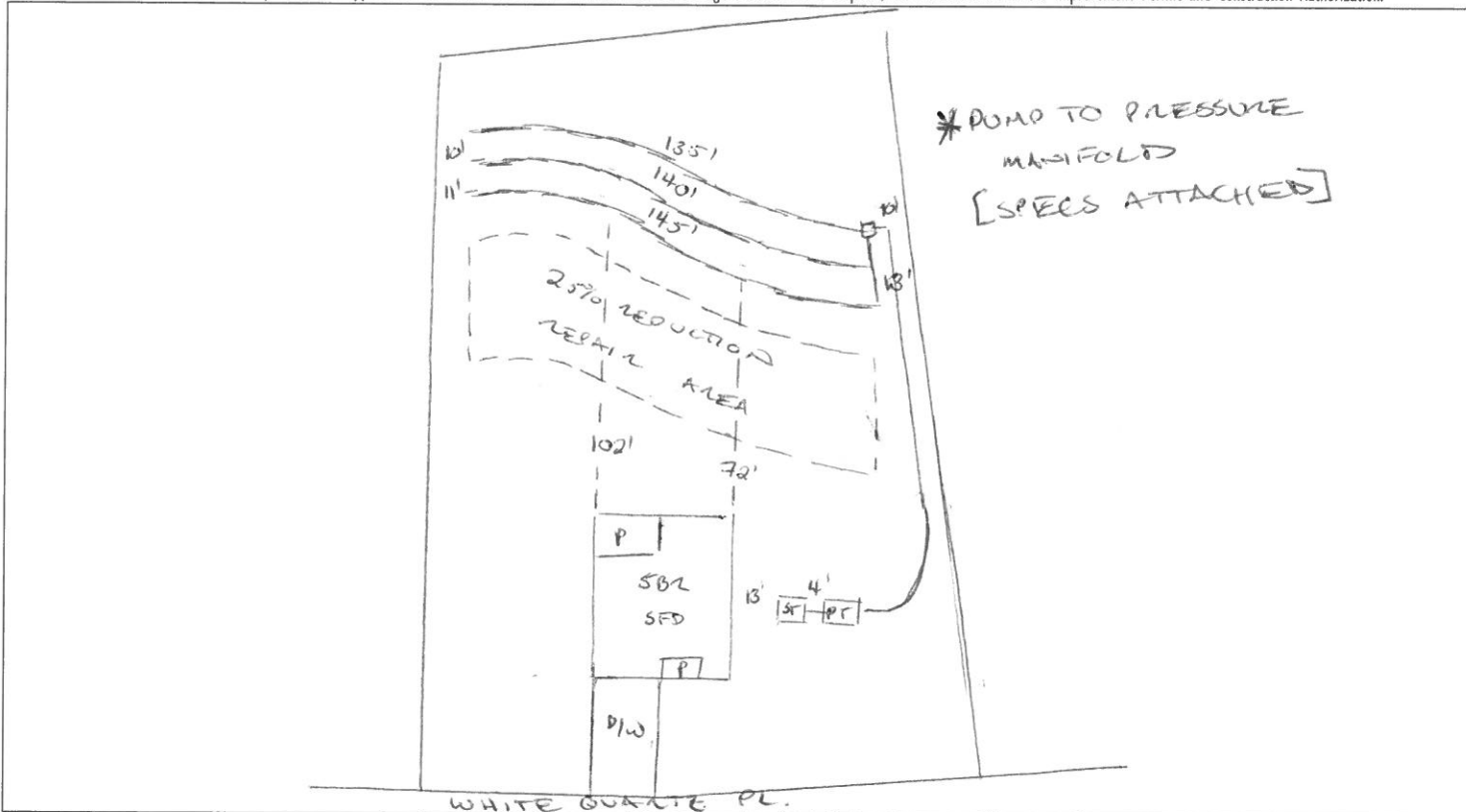
Type of Water Supply: Community Public Well Distance from well NA feet

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 RE FLOW III B Septic Tank: 1250 gallons Pump Tank: 1250 gallons

Subsurface No. of exact length 135, 140 width of depth of
Drainage Field ditches 3 of each ditch 145 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 51
SYSTEM TAP CHART**

Bench Mark		is = 100.00 Location of BM				Elevation Head			3.20
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.			97.80	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Yellow	3.20	96.80	135	3/4in SCH 40	12.5	200.00	405	0.4938
2	Purple	3.40	96.60	140	3/4in SCH 40	12.5	200.00	420	0.4762
3	Orange	3.60	96.40	145	3/4in SCH 40	12.5	200.00	435	0.4598

	total	feet =	420	gal/min =	37.5	<u>LTAR =</u>	0.4000
						<u>LTAR + %5</u>	0.4200
% of Dose Vol.	75	<u>Des. Flow</u>	600			(ltar W/ INOV)	0.5333
Dose Volume	204.75	<u>Pump Run=</u>	16.00			(ltar W/ INOV + 5%)	0.5600
Dose Pump Time	5.46	<u>Tank Gal/IN</u>	30.65				
Drawdown in Inches	6.68						

**Masons Pointe S/D Lot 51
Repair TAP CHART**

Bench Mark		is = 100.00 Location of BM				Elevation Head			2.50
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.			97.10	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
4	Blue	3.90	96.10	150	1in SCH 80	16.8	230.66	450	0.5126
5	Pink	4.10	95.90	160	1in SCH 80	16.8	230.66	480	0.4805
6	Red	4.40	95.60	95	3/4in SCH 80	10.1	138.67	285	0.4866

	total	feet =	405	gal/min =	43.7	<u>LTAR =</u>	0.4000
						<u>LTAR + %5</u>	0.4200
% of Dose Vol.	75	<u>Des. Flow</u>	600			(ltar W/ INOV)	0.5333
Dose Volume	197.44	<u>Pump Run=</u>	13.73			(ltar W/ INOV + 5%)	0.5600
Dose Pump Time	4.52	<u>Tank Gal/IN</u>	30.65				
Drawdown in Inches	6.44						