

HTE# SFD1902-0031

Harnett County Department of Public Health

25712

PERMIT # NA

Operation Permit

521413

New Installation Septic Tank Nitrification Line Repair Expansion

PROPERTY LOCATION: 31 Wood Barn Ct. (Christen H. Rd.)

Name: (owner) KB Homes SUBDIVISION Mason Pointe LOT # 29

System Installer: Thorntons Plumbings Registration # _____

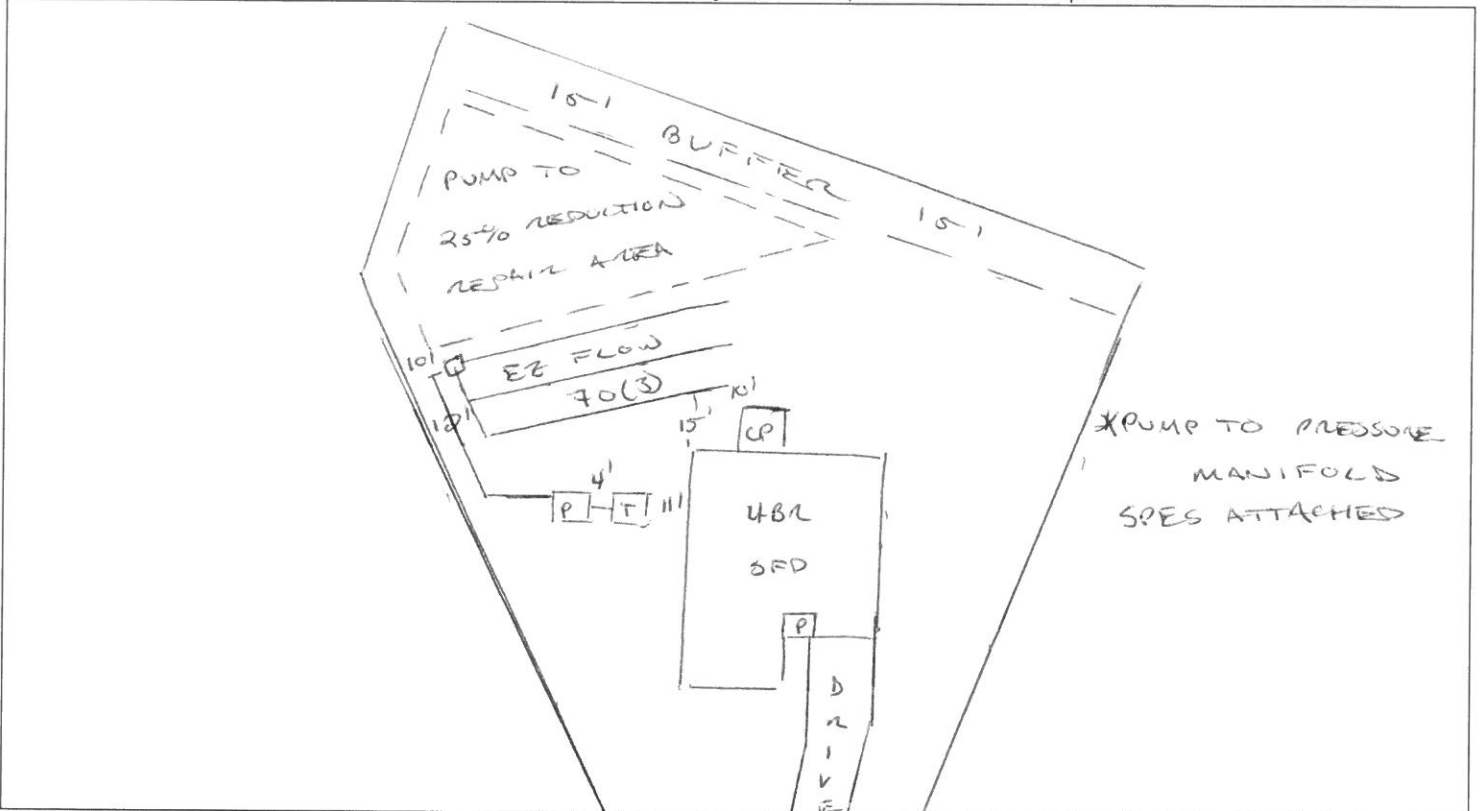
Basement with plumbing: Garage Number of Bedrooms 4

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

System Type: 25% reduction sys. IIIb 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 Drainage Field: No. of ditches 3 exact length of each ditch 70 feet width of ditches 3 feet depth of ditches 24 inches

French Drain Required: _____ Linear feet

Authorized State Agent _____

Date 10/18/2019

**Mason Pointe, Lot 29
TAP CHART**

Bench Mark		is = 100.00 Location of BM		Elevation Head				2.80			
Pump tank elev.		100.00		Pump elev.		94.60		Manifold elev.		97.40	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE	LTAR	
6	Red	3.60	96.40	70	3/4in SCH 80	10.1	160.00	210		0.7619	
7	Orange	3.60	96.40	70	3/4in SCH 80	10.1	160.00	210		0.7619	
8	Yellow	3.60	96.40	70	3/4in SCH 80	10.1	160.00	210		0.7619	

	total	feet =	210	gal/min =	30.3	LTAR =	0.6000
						LTAR + %5	0.6300
% of Dose Vol.	75	Des. Flow	480			(Itar W/ INOV)	0.8000
Dose Volume	102.38	Pump Run=	15.84			(Itar W/ INOV + 5%)	0.8400
Dose Pump Time	3.38	Tank Gal/IN	19.65				
Drawdown in Inches	5.21						

**Mason Pointe, Lot 29
Repair TAP CHART**

Bench Mark		is = 100.00 Location of BM		Elevation Head				2.90			
Pump tank elev.		100.00		Pump elev.		94.60		Manifold elev.		97.50	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE	LTAR	
1	Yellow	3.50	96.50	35	1/2in SCH 80	5.48	85.79	105		0.8171	
2	Blue	3.60	96.40	40	1/2in SCH 80	5.48	85.79	120		0.7149	
3	Orange	3.60	96.40	45	1/2in SCH 80	5.48	85.79	135		0.6355	
4	Pink	3.60	96.40	55	1/2in SCH 40	7.11	111.31	165		0.6746	
5	Purple	3.60	96.40	65	1/2in SCH 40	7.11	111.31	195		0.5708	

	total	feet =	240	gal/min =	30.66	LTAR =	0.6000
						LTAR + %5	0.6300
% of Dose Vol.	80	Des. Flow	480			(Itar W/ INOV)	0.8000
Dose Volume	124.80	Pump Run=	15.66			(Itar W/ INOV + 5%)	0.8400
Dose Pump Time	4.07	Tank Gal/IN	19.65				
Drawdown in Inches	6.35						