

PERMIT # NA

Operation Permit

New Installation Septic Tank Nitrification Line Repair Expansion

PROPERTY LOCATION: 238 PINEY FIELD RD. (CHRISTIAN LN)

Name: (owner) KB HOMES CAROLINA SUBDIVISION MASON POINT LOT # 35

System Installer: THORNTONS PLUMBING Registration # _____

Basement with plumbing: Garage Number of Bedrooms 4

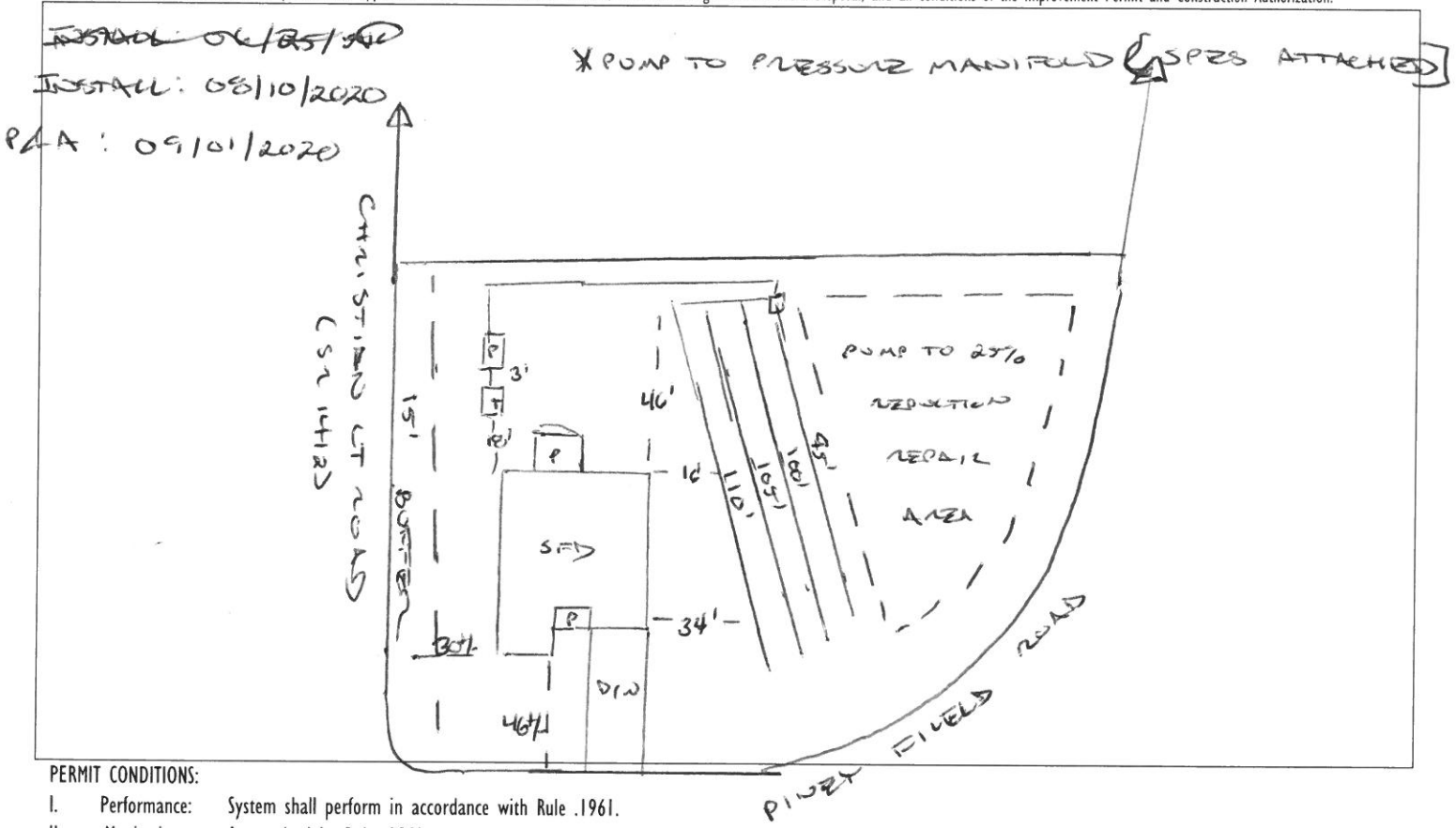
Type of Water Supply: Community Public Well Distance from well NA feet

System Type: 2 1/2" REDUCTION SIS. TTB 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 FR FLOW TTB Septic Tank: 1000 gallons Pump Tank: 1000 gallons

Subsurface Drainage Field No. of ditches 4 exact length 95, 100, 105, width of ditches 3 feet depth of ditches 24 inches

French Drain Required: _____ Linear feet

Authorized State Agent [Signature] Date 09/01/2020

**Mason's Pointe, Lot 35
TAP CHART**

Bench Mark		is = 100.00 Location of BM				Elevation Head			2.00
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.			96.60	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
7	Red	4.40	95.60	95	1/2in SCH 40	7.11	91.23	285	0.3201
8	Pink	4.60	95.40	100	3/4in SCH 80	10.1	129.59	300	0.4320
9	Orange	4.80	95.20	105	3/4in SCH 80	10.1	129.59	315	0.4114
10	Purple	5.00	95.00	110	3/4in SCH 80	10.1	129.59	330	0.3927

	total	feet =	410	gal/min =	37.41	LTAR =	0.3500
						LTAR + %5	0.3675
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.4667
Dose Volume	199.88	Pump Run=	12.83			(ltar W/ INOV + 5%)	0.4900
Dose Pump Time	5.34	Tank Gal/IN	19.65				
Drawdown in Inches	10.17						

**Mason's Pointe, Lot 35
Repair TAP CHART**

Bench Mark		is = 100.00 Location of BM				Elevation Head			2.40
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.			97.00	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Blue	4.00	96.00	50	1/2in SCH 80	5.48	69.64	150	0.4643
2	Red	4.00	96.00	55	1/2in SCH 80	5.48	69.64	165	0.4221
3	Pink	4.00	96.00	65	1/2in SCH 80	5.48	69.64	195	0.3571
4	Orange	4.20	95.80	75	1/2in SCH 40	7.11	90.36	225	0.4016
5	Purple	4.20	95.80	80	1/2in SCH 40	7.11	90.36	240	0.3765
6	Blue	4.20	95.80	90	1/2in SCH 40	7.11	90.36	270	0.3347

	total	feet =	415	gal/min =	37.77	LTAR =	0.3500
						LTAR + %5	0.3675
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.4667
Dose Volume	202.31	Pump Run=	12.71			(ltar W/ INOV + 5%)	0.4900
Dose Pump Time	5.36	Tank Gal/IN	19.65				
Drawdown in Inches	10.30						