HTE# SFR1909-0016

PERMIT # NA

Harnett County Department of Public Health

Operation Permit

25952

☒ New Installation ☒ Septic Tank ☒ Nitrification Line ☐ Repair ☐ Expansion

PROPERTY LOCATION: 91 Allwood Dr. (Christian Ch. Rd SR 1412)

Name: (owner) KB Homes Carolinas SUBDIVISION Mason Pointe PH 2 LOT # 4

System Installer: Thorntons Plumbing Registration # _____

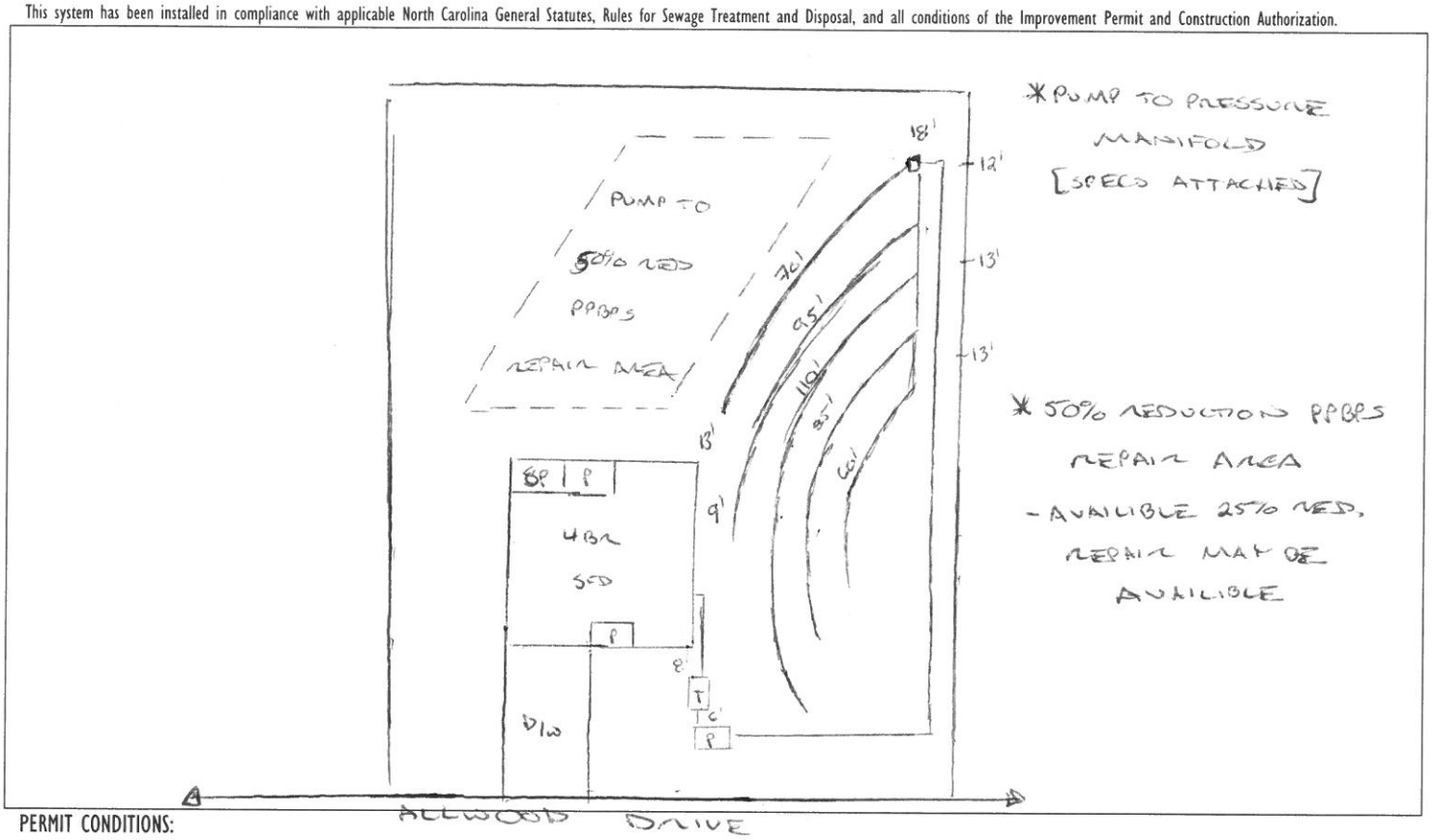
Basement with plumbing: ☐ Garage ☒ Number of Bedrooms 4

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

System Type: 25% reduction system 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 ☐ _____ H20Line ☐ _____ PWR Line

Following are the specifications for the sewage disposal system on the above captioned property.

Type of system: ☐ Conventional ☒ Other ER Flow III b Septic Tank: 1000 gallons Pump Tank: 1000 gallons

Subsurface Drainage Field: No. of ditches 5; exact length of each ditch 70, 95, 110, 85, 60 feet; width of ditches 3 feet; depth of ditches 18 inches

French Drain Required: _____ Linear feet

Authorized State Agent _____ Date 02/28/2020

Mason Point Lot 4

Bench Mark		is = 100.00	Location of BM EIP					**Elevation Head**	5.40
Pump tank elev.			100.00	**Pump elev.**	94.60		**Manifold elev.**		97.20
line	**color**	**rod read**	**Elevation**	**length**	**hole size**	**flow/tap**	**gal/day**	**trench area**	**LINE LTAR**
8	Yellow	3.80	96.20	70	1in SCH 80	16.8	150.90	210	0.7186
9	Pink	4.60	95.40	95	1in SCH 40	20.2	181.44	285	0.6366
10	Purple	5.30	94.70	115	1/2in SCH 80	5.48	49.22	345	0.1427
11	Blue	6.00	94.00	85	1/2in SCH 80	5.48	49.22	255	0.1930
12	Red	6.50	93.50	55	1/2in SCH 80	5.48	49.22	165	0.2983

total	**feet =**	**420**	**gal/min =**	**53.44**	**LTAR =**	**0.3500**
					LTAR + %5	**0.3675**
		Des. Flow	**480**		**(ltar W/ INOV)**	0.4667
		Pump Run=	8.98		**(ltar W/ INOV + 5%**	0.4900
		Tank Gal/IN	19.65			

Mason Point Lot 4

Repair

Bench Mark		is = 100.00	Location of BM EIP					**Elevation Head**	6
Pump tank elev.			100	**Pump elev.**	95		**Manifold elev.**		101
line	**color**	**rod read**	**Elevation**	**length**	**hole size**	**flow/tap**	**gal/day**	**trench area**	**LINE LTAR**
1			100.00		1/2in SCH 80	5.48	120.00	0	#DIV/0!
2			100.00		1/2in SCH 40	5.48	120.00	0	#DIV/0!
3			100.00		1/2in SCH 80	5.48	120.00	0	#DIV/0!
4			100.00		1/2in SCH 80	5.48	120.00	0	#DIV/0!

total	**feet =**	**0**	**gal/min =**	**21.92**	**LTAR =**	**0.35**
					LTAR + %5	**0.3675**
		Des. Flow	**480**		**(ltar W/ INOV)**	0.4667
		Pump Run=	21.90		**(ltar W/ INOV + 5%**	0.4900
		Tank Gal/IN	19.65			