

Harnett County Department of Public Health Improvement Permit

SR 1412

Butenon Civil Survey

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: KB Homes Carolina PROPERTY LOCATION: 20 Barn Left Ct. (Christian Ct. rd.)
 SUBDIVISION: Mason Pointe PH 2 LOT # 20
 NEW REPAIR EXPANSION
 Type of Structure: 4-Bedroom 50'x70' SFD
 Proposed Wastewater System Type: 25% reduction sys.
 Projected Daily Flow: 480 GPD
 Number of bedrooms: 4 Number of Occupants: 8 max
 Basement Yes No
 Pump Required: Yes No May be required based on final location and elevations of facilities
 Type of Water Supply: Community Public Well Distance from well NA feet
 Permit conditions: _____ Permit valid for: Five years No expiration

Authorized State Agent: [Signature] Date: 11/19/2019 SEE ATTACHED SITE SKETCH
 The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit.

Construction Authorization

(Required for Building Permit)

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by references into this permit and shall be met. Systems shall be installed in accordance with the attached system layout Butenon Civil Survey

ISSUED TO: KB Homes Carolina PROPERTY LOCATION: 20 Barn Left Ct. (Christian Ct. rd.)
 SUBDIVISION: Mason Pointe PH 2 LOT # 20
 Facility Type: 4BR 50'x70' SFD New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** Pump to 25% reduction sys. (Initial) Wastewater Flow: 480 GPD
 (See note below, if applicable Pump to 50% reduction (Repair))

Installation Requirements/Conditions

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>4</u>	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size <u>1000</u> gallons	Exact length of each trench <u>75</u> feet	Soil Cover: <u>12</u> inches
	Trenches shall be installed on contour at a Maximum Trench Depth of: <u>24</u> inches (Trench bottoms shall be level to +/-1/4" in all directions)	(Maximum soil cover shall not exceed 36" above the trench bottom)
Pump Requirements: _____ ft. TDH vs. _____ GPM		Aggregate Depth: <u>NA</u> inches below pipe <u>NA</u> inches above pipe <u>NA</u> inches total
Conditions: <u>Pump to Pressure Manifold [SPES ATTACHED]</u>		

**WATER LINES (INCLUDING IRRIGATION) MUST BE 10FT. FROM ANY PART OF SEPTIC SYSTEM OR REPAIR AREA.
NO UTILITIES ALLOWED IN INITIAL OR REPAIR DRAIN FIELD AREA.**

**If applicable: I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Signature: _____ Date: _____

This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be transferred when there is a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. SEE ATTACHED SITE SKETCH

Authorized State Agent: [Signature] Date: 11/19/2019
ANDREW CURRIE Construction Authorization Expiration Date: 11/19/2024

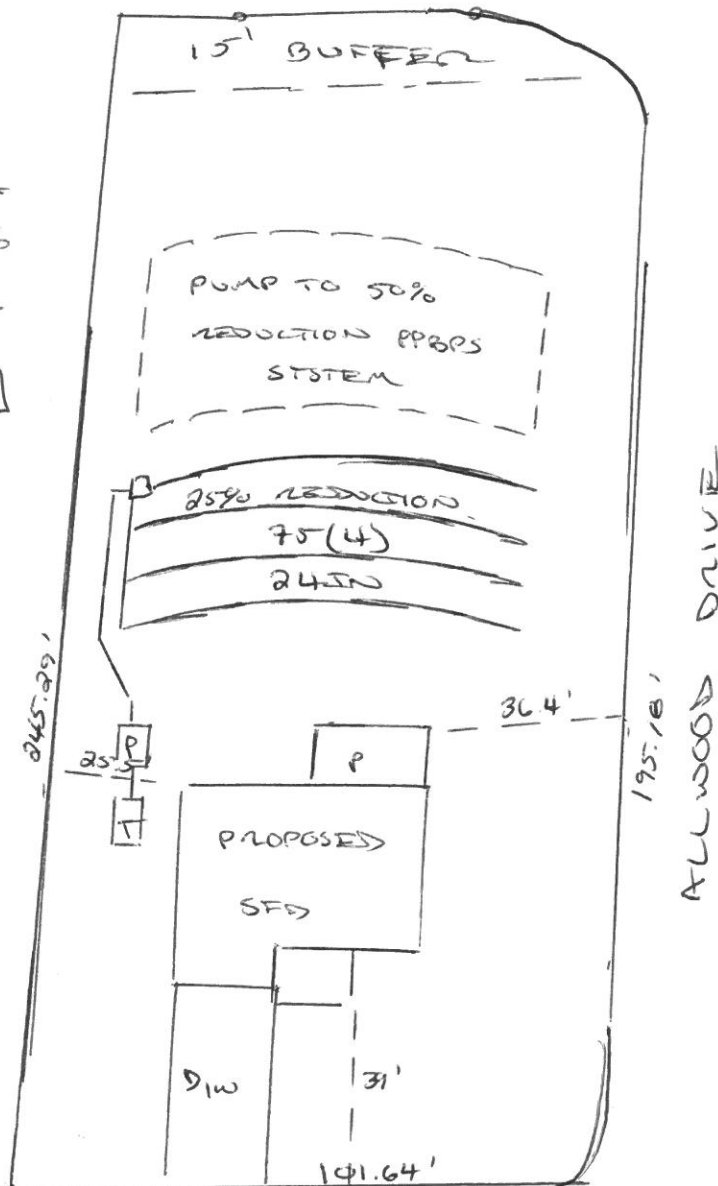
Application # SFD1910-0005

Harnett County Department of Public Health Site Sketch

Property Location: 20 Barn Loft Ct. (Christian Light Rd. - SL1412)
Issued To: KB Homes Carolina Subdivision Mason Pointe PH 2 Lot # 23
Burman Civil Survey
Authorized State Agent: [Signature] Date: 11/19/2019
ANDREW CURRIE

CHRISTIAN LIGHT RD.

- * PROPOSAL BY
CENTRAL CAROLINA
SOIL CONSULTING
- * PUMP TO PRESSURE
MANIFOLD
[SPECS ATTACHED]



This drawing is for illustrative purposes only. System installation must meet all pertinent laws, rules, and regulations.

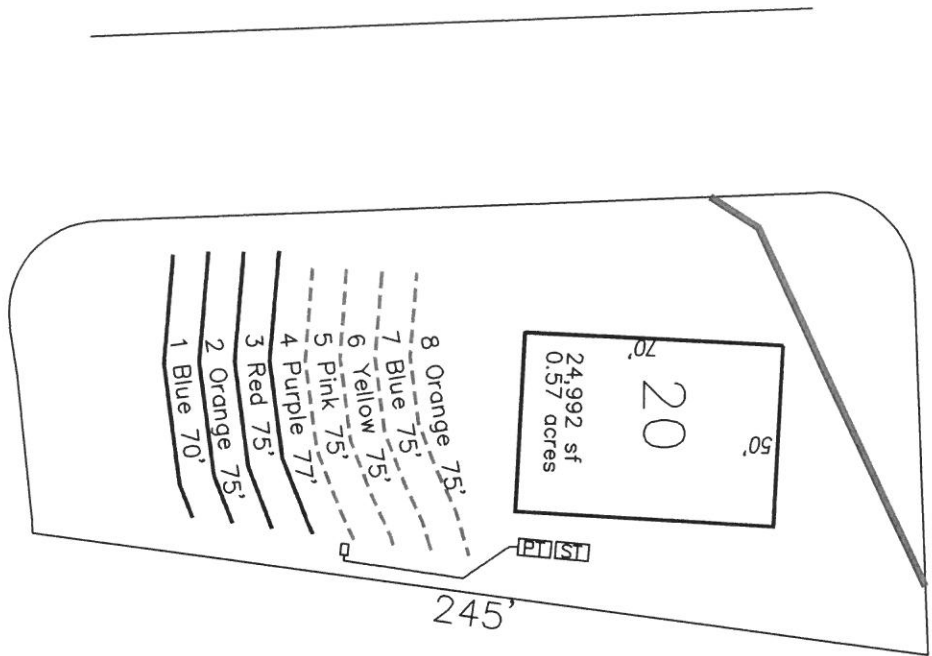
BARN LOFT COURT

Mason Pointe, Lot 20 System Tap Chart

Bench Mark		is = 100.00 Location of BM				Elevation Head			
Pump tank elev.		100.00	Pump elev.	95.00	Manifold elev.				-0.30
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
5	Pink	6.30	93.70	75	1/2in SCH 40	7.11	120.00	225	0.5333
6	Yellow	7.20	92.80	75	1/2in SCH 40	7.11	120.00	225	0.5333
7	Blue	7.90	92.10	75	1/2in SCH 40	7.11	120.00	225	0.5333
8	Orange	9.00	91.00	75	3/4in SCH 80	7.11	120.00	225	0.5333
		total	feet =	300	gal/min =	28.44	LTAR =		0.4000
						LTAR + %5		0.4200	
% of Dose Vol.	75	Des. Flow		480		(ltar W/ INOV)		0.5333	
Dose Volume	146.25	Pump Run=		16.88		(ltar W/ INOV + 5%)		0.5600	
Dose Pump Time	5.14	Tank Gal/IN		19.65					
Drawdown in Inches	7.44								

Mason Pointe, Lot 20 Repair Tap Chart

Bench Mark		is = 100.00 Location of BM				Elevation Head			
Pump tank elev.		100.00	Pump elev.	95.00	Manifold elev.				1.90
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Blue	4.10	95.90	70	1/2in SCH 40	7.11	120.00	210	0.5714
2	Orange	4.50	95.50	75	1/2in SCH 40	7.11	120.00	225	0.5333
3	Red	4.80	95.20	75	1/2in SCH 40	7.11	120.00	225	0.5333
4	Purple	5.50	94.50	75	1/2in SCH 40	7.11	120.00	225	0.5333
		total	feet =	295	gal/min =	28.44	LTAR =		0.4000
						LTAR + %5		0.4200	
% of Dose Vol.	75	Des. Flow		480		(ltar W/ INOV)		0.8000	
Dose Volume	143.81	Pump Run=		16.88		(ltar W/ INOV + 5%)		0.8400	
Dose Pump Time	5.06	Tank Gal/IN		19.65					
Drawdown in Inches	7.32								



System: - - - - -
Repair: ————

- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.

GRAPHIC SCALE
1" = 50'



System: Pressure Manifold
Lines: 5–8, (300')
Accepted Status System
0.4 Soil LTAR
24" Trench Bottom

Repair: Pressure Manifold
Lines: 1–4, (295')
0.4 Soil LTAR
T&J Panel 50% Reduction



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4-Bedroom Septic Layout
Lot 20, Masons Pointe Subdivision
Harnett County, North Carolina

Job# : 2031
Drawn By : AH
Date : 11/7/2019
Revision: