

# Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

SN 1412

ISSUED TO: KB Homes Carolinas PROPERTY LOCATION: 62 Barn Loft Ct. (Christen Ct. Rd.)  
 SUBDIVISION: Mason Pointe PH 2 LOT # 18  
 NEW  REPAIR  EXPANSION   
 Type of Structure: 4-Bedroom 50'x50' SFD  
 Proposed Wastewater System Type: 75% 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.

ISSUED TO: KB Homes Carolinas PROPERTY LOCATION: 62 Barn Loft Ct. (Christen Ct. Rd.)  
 SUBDIVISION: Mason Pointe PH 2 LOT # 18  
 Facility Type: 482 50'x50' SFD  New  Expansion  Repair  
 Basement?  Yes  No Basement Fixtures?  Yes  No  
 Type of Wastewater System\*\* 75% reduction sys. (Unified) (Initial) Wastewater Flow: 480 GPD  
 (See note below, if applicable )  
50% reduction PPBS (Repair)  
 Installation Requirements/Conditions  
 Septic Tank Size 1000 gallons Number of trenches 3  
 Pump Tank Size 1000 gallons Exact length of each trench 100 feet Trench Spacing: 9 Feet on Center  
 Trenches shall be installed on contour at a Soil Cover: 18 inches  
 Maximum Trench Depth of: 24 inches (Maximum soil cover shall not exceed 36" above the trench bottom)  
 in all directions  
 Pump Requirements: \_\_\_\_\_ ft. TDH vs. \_\_\_\_\_ GPM Aggregate Depth: NA inches below pipe  
 Conditions: Proposal by Central Carolina Soil Consulting NA inches above pipe  
NA inches total

**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  
 Construction Authorization Expiration Date: 11/19/2024

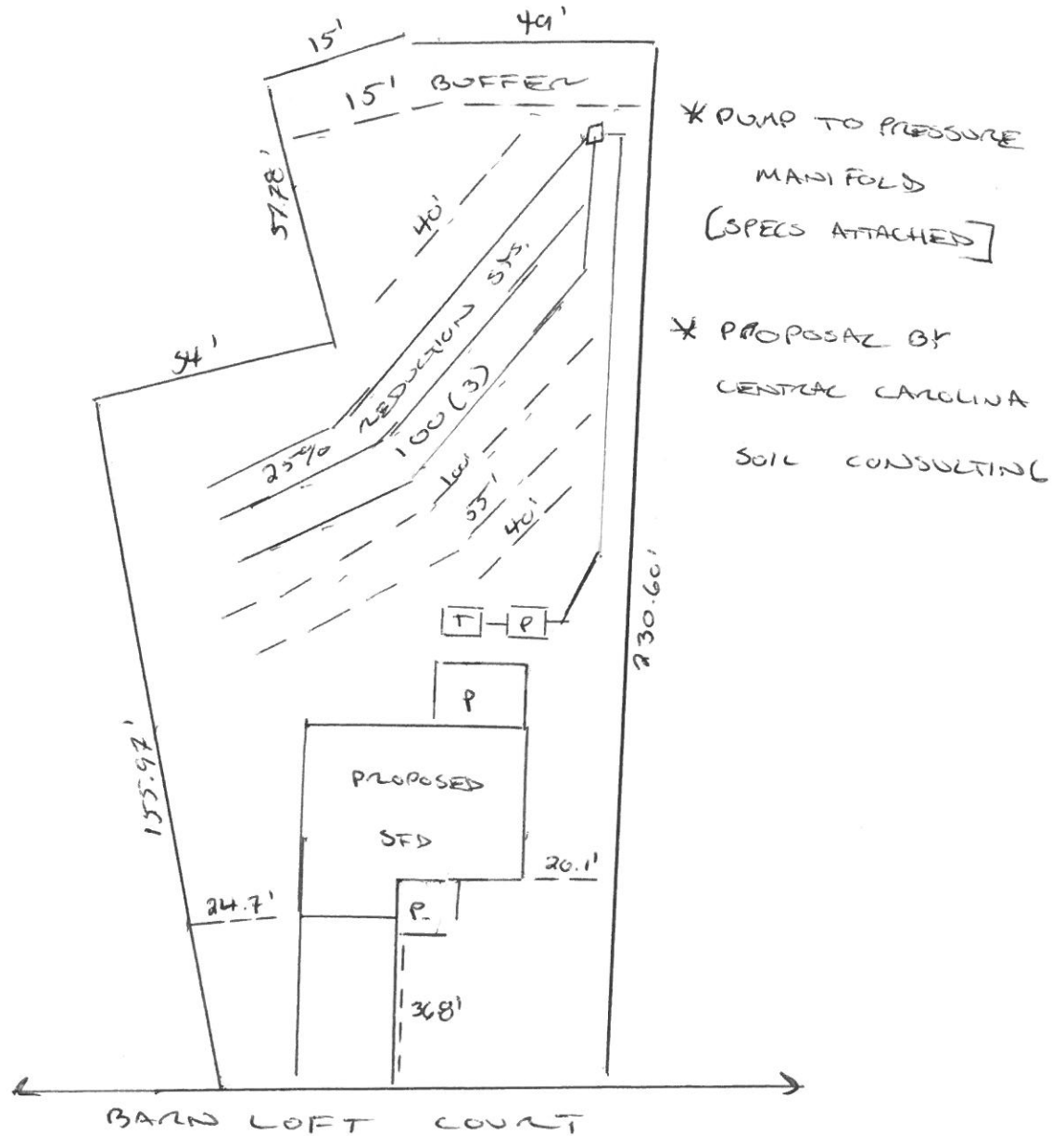
Application # SFD1910-0008

## Harnett County Department of Public Health Site Sketch

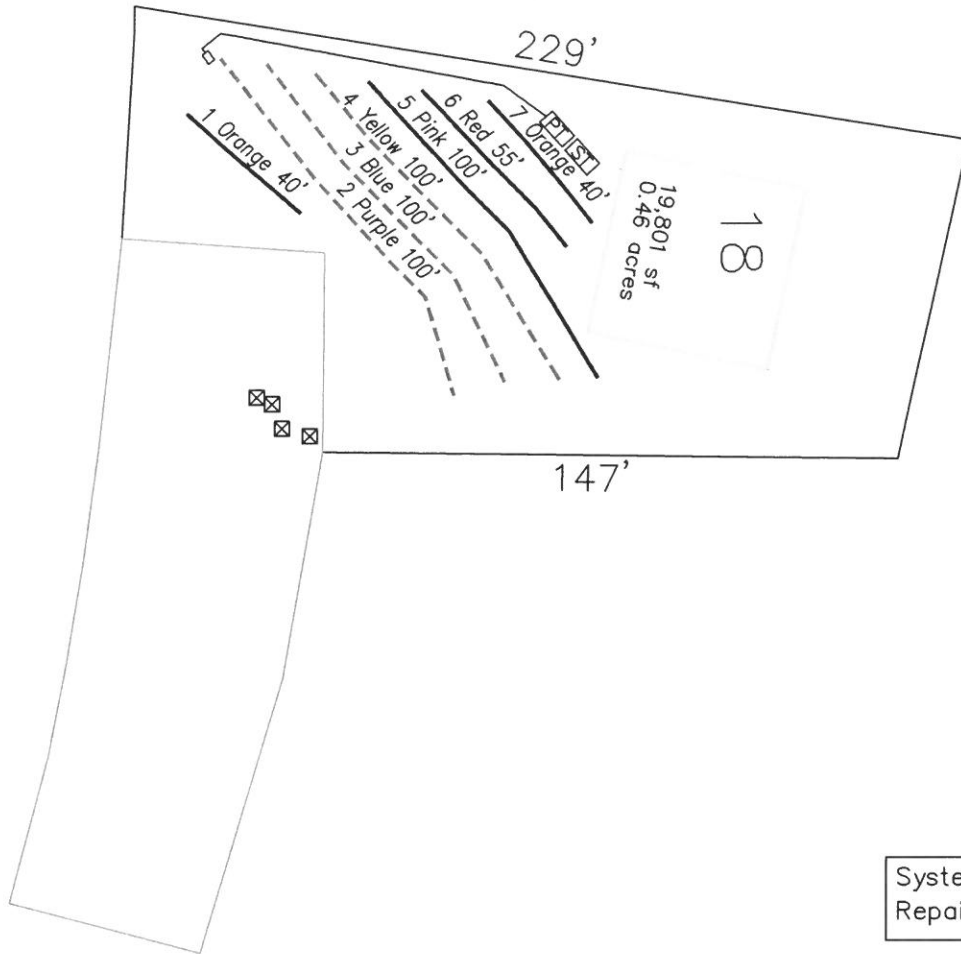
Property Location: 62 Barn Loft Ct. (Christina Light Rd. - S/L 1412)

Issued To: KB Homes Carolina Subdivision Mason Pointe PH 2 Lot # 18  
Bullock Civil Survey

Authorized State Agent: [Signature] Date: 11/19/2019  
ANDREW CURRY



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



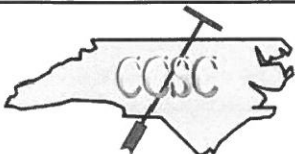
- \*Keep tanks and drain lines 10' from property lines.
- \*Not a survey.
- \*Not a guarantee of a septic permit.
- \*Keep supply lines >5' from property lines.
- \*Some lines are flagged longer in the field than lengths indicate.
- \*No grading septic area.

System: - - - - -  
 Repair: —————

System: Pressure Manifold  
 Lines: 2-4, (300')  
 Accepted Status System  
 0.4 Soil LTAR  
 24" Trench Bottom

Repair: Pressure Manifold  
 Lines: 1,5-7, (235')  
 0.4 Soil LTAR  
 T&J Panel 50% Reduction

GRAPHIC SCALE  
 1" = 50'



Central Carolina Soil Consulting, PLLC  
 1900 South Main Street, Suite 110  
 Wake Forest, North Carolina 27587  
 Phone (919)569-6704 Fax (919)569-6703

4-Bedroom Septic Layout  
 Lot 18, Masons Pointe Subdivision  
 Harnett County, North Carolina

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

**Masons Pointe S/D, Lot 18  
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
2	Purple	3.90	96.10	100	3/4in SCH 80	10.1	160.00	300	0.5333
3	Blue	4.30	95.70	100	3/4in SCH 80	10.1	160.00	300	0.5333
4	Yellow	4.60	95.40	100	3/4in SCH 80	10.1	160.00	300	0.5333

	<b>total</b>	<b>feet =</b>	<b>300</b>	<b>gal/min =</b>	<b>30.3</b>	<b>LTAR =</b>	<b>0.4000</b>
						<b>LTAR + %5</b>	<b>0.4200</b>
<b>% of Dose Vol.</b>	75		<b>Des. Flow</b>	<b>480</b>		<b>(ltar W/ INOV)</b>	0.5333
<b>Dose Volume</b>	146.25		<b>Pump Run=</b>	15.84		<b>(ltar W/ INOV + 5%)</b>	0.5600
<b>Dose Pump Time</b>	4.83		<b>Tank Gal/IN</b>	19.65			
<b>Drawdown in Inches</b>	7.44						

**Masons Pointe S/D, Lot 18  
Repair 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
1	Orange	3.60	96.40	40	1/2in SCH 80	5.48	86.05	120	0.7170
5	Pink	4.80	95.20	100	3/4in SCH 40	12.5	196.27	300	0.6542
6	Red	5.80	94.20	55	1/2in SCH 40	7.11	111.64	165	0.6766
7	Orange	5.80	94.20	40	1/2in SCH 80	5.48	86.05	120	0.7170

	<b>total</b>	<b>feet =</b>	<b>235</b>	<b>gal/min =</b>	<b>30.57</b>	<b>LTAR =</b>	<b>0.4000</b>
						<b>LTAR + %5</b>	<b>0.4200</b>
<b>% of Dose Vol.</b>	75		<b>Des. Flow</b>	<b>480</b>		<b>(ltar W/ INOV)</b>	0.8000
<b>Dose Volume</b>	114.56		<b>Pump Run=</b>	15.70		<b>(ltar W/ INOV + 5%)</b>	0.8400
<b>Dose Pump Time</b>	3.75		<b>Tank Gal/IN</b>	19.65			
<b>Drawdown in Inches</b>	5.83						