

Harnett County Department of Public Health

Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: Buteman Civil Survey KB Homes Carolinas SN 1412
 PROPERTY LOCATION: 85 Rawls Farm Ln. (Christian Ct. rd.)
 SUBDIVISION: Mason Pointe PH 2 LOT # 15
 NEW REPAIR EXPANSION
 Type of Structure: 4-Bedroom 50'x70' STD
 Proposed Wastewater System Type: 25% Reduction Sys. (Manifold)
 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 valid for: Five years No expiration
 Permit conditions: _____

Authorized State Agent: [Signature] Date: 11/18/2019 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: Buteman Civil Survey KB Homes Carolinas SN 1412
 PROPERTY LOCATION: 85 Rawls Farm Ln. (Christian Ct. rd.)
 SUBDIVISION: Mason Pointe PH 2 LOT # 15
 Facility Type: 4B 50'x70' STD New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** 25% Reduction Sys. (Manifold) (Initial) Wastewater Flow: 480 GPD
 (See note below, if applicable)
25% Reduction System (Repair)
 Installation Requirements/Conditions
 Septic Tank Size 1000 gallons
 Pump Tank Size 1000 gallons
 Number of trenches 3
 Exact length of each trench 130, 145, 90 feet
 Trenches shall be installed on contour at a
 Maximum Trench Depth of: 20 inches
 (Trench bottoms shall be level to +1-1/4" in all directions)
 Trench Spacing: 9 Feet on Center
 Soil Cover: 8 inches
 (Maximum soil cover shall not exceed 36" above the trench bottom)
 Pump Requirements: _____ ft. TDH vs. _____ GPM
 Aggregate Depth: NA inches below pipe
NA inches above pipe
NA inches total
 Conditions: Proposal by Central Carolina Soil Consulting

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: 11/18/2019
ANDREW CURRIE Construction Authorization Expiration Date: 11/18/2024

Application # SD1916-0019

Harnett County Department of Public Health Site Sketch

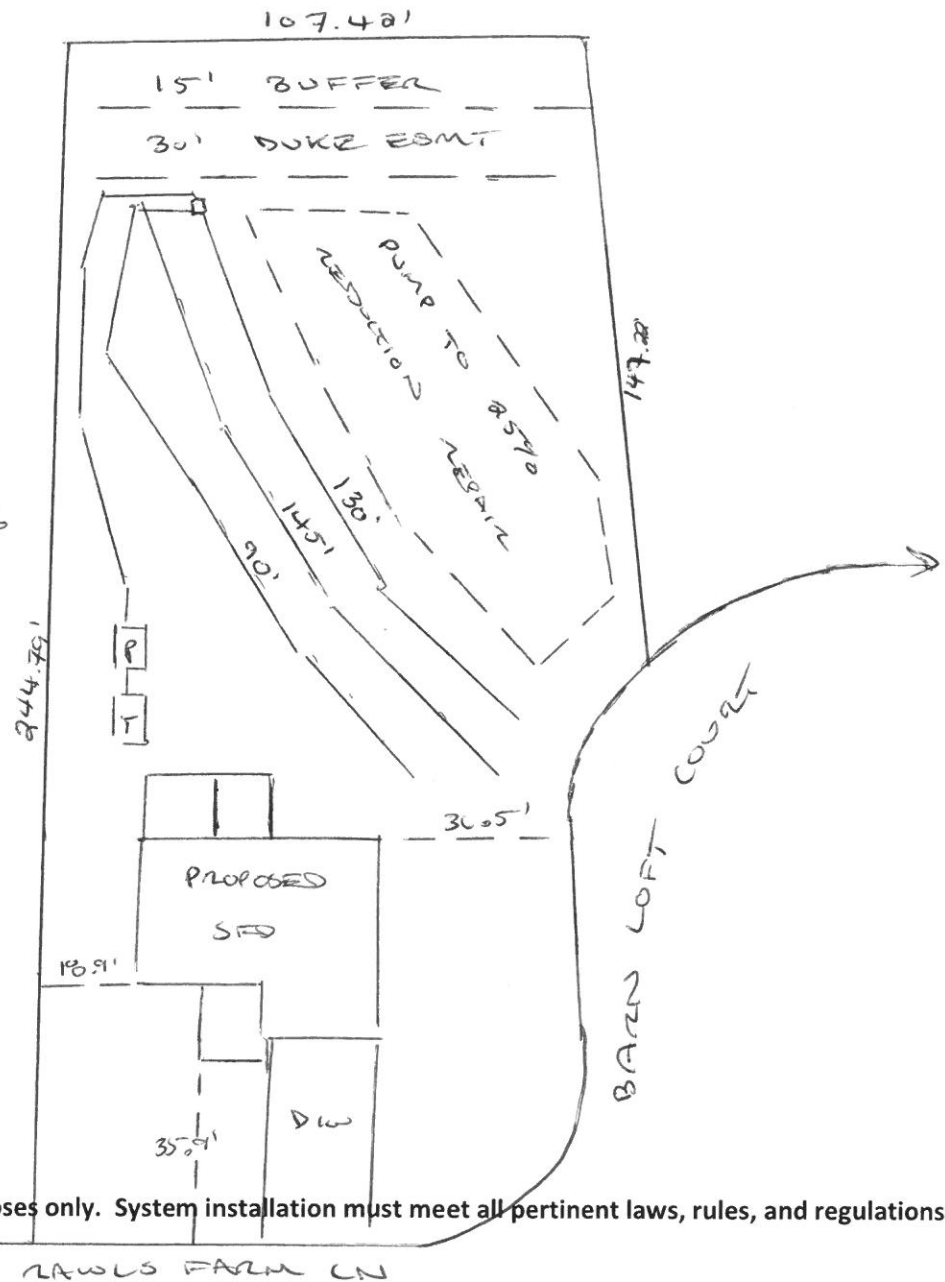
Property Location: 85 Rawls Farm Ln. (Christian Ct. rd. - 321412)

Issued To: KB HOMES CAROLINAS Subdivision Mason Pointe PH 2 Lot # 15

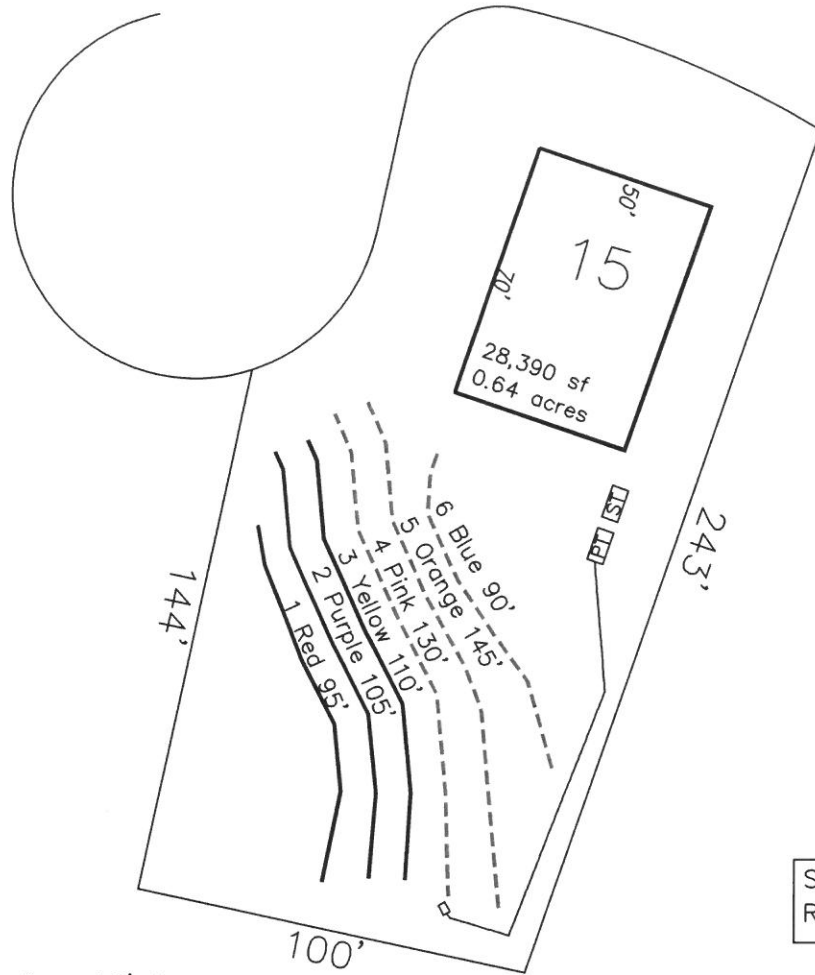
Authorized State Agent: [Signature] Date: 11/18/2019

ANDREW CURRIE

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



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.

GRAPHIC SCALE
1" = 50'



System: Pressure Manifold
Lines: 4-6, (365')
Accepted Status System
0.4 Soil LTAR
24" Trench Bottom

Repair: Pressure Manifold
Lines: 1-3, (315')
Accepted Status System
0.4 Soil LTAR
24" Trench Bottom



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 15, Masons Pointe Subdivision
Harnett County, North Carolina

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

Masons Pointe Lot 15

Bench Mark	is = 100.00		Location of BM EIP				Elevation Head	5.40	
Pump tank elev.	100.00		Pump elev.	94.60		Manifold elev.		98.50	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
4	Pink	2.50	97.50	130	3/4in SCH 40	12.5	186.86	390	0.4791
5	Orange	2.80	97.20	145	3/4in SCH 40	12.5	186.86	435	0.4296
6	Blue	3.20	96.80	90	1/2in SCH 40	7.11	106.28	270	0.3936

total	feet =	365	gal/min =	32.11	LTAR =	0.4000
					LTAR + %5	0.4200
			Des. Flow	480	(ltar W/ INOV)	0.5333
			Pump Run=	14.95	(ltar W/ INOV + 5%)	0.5600
			Tank Gal/IN	19.65		

Masons Pointe Lot 15

Repair

Bench Mark	is = 100.00		Location of BM EIP				Elevation Head	4.4	
Pump tank elev.	100		Pump elev.	94.6		Manifold elev.		99	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Red	2.00	98.00	95	3/4in SCH 80	10.1	138.12	285	0.4846
2	Purple	2.10	97.90	105	1/2in SCH 40	12.5	170.94	315	0.5427
3	Yellow	2.30	97.70	110	3/4in SCH 40	12.5	170.94	330	0.5180

total	feet =	310	gal/min =	35.1	LTAR =	0.4000
					LTAR + %5	0.4200
			Des. Flow	480	(ltar W/ INOV)	0.5333
			Pump Run=	13.68	(ltar W/ INOV + 5%)	0.5600
			Tank Gal/IN	19.65		