

Harnett County Department of Public Health

Improvement Permit

A building permit cannot be issued with only an Improvement Permit

521412

ISSUED TO: Bateman Civil Survey
KB Homes Carolina S
 NEW REPAIR EXPANSION
 PROPERTY LOCATION: 76 Rawls Farm Ln. (Christen Lt rd)
 SUBDIVISION: Mason Pointe PH 2 LOT # 10
 Type of Structure: 4-Bedroom SFD
 Proposed Wastewater System Type: 25% reduction sys.
 Projected Daily Flow: 486 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: Bateman Civil Survey
KB Homes Carolina S
 PROPERTY LOCATION: 76 Rawls Farm Ln. (Christen Lt rd)
 SUBDIVISION: Mason Pointe PH 2 LOT # 10
 Facility Type: 4-Bedroom SFD New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** 25% reduction system (Initial) Wastewater Flow: 486 GPD
 (See note below, if applicable
Pump to 25% red. sys. (Repair)
 Installation Requirements/Conditions
 Number of trenches 4
 Septic Tank Size 1000 gallons Exact length of each trench 80 feet Trench Spacing: 9 Feet on Center
 Pump Tank Size _____ gallons Trenches shall be installed on contour at a Soil Cover: 12 inches
 Maximum Trench Depth of: 24 inches (Maximum soil cover shall not exceed 36" above the trench bottom)
 (Trench bottoms shall be level to +1/4" in all directions)
 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

**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 Curran Construction Authorization Expiration Date: 11/18/2024

Application # SFD1916-0018

Harnett County Department of Public Health Site Sketch

Property Location: 76 Rawls Farm Ln. (Christian Light rd. - S21412)
Issued To: KB HOMES CAROLINAS Subdivision Mason Pointe PH 2 Lot # 16

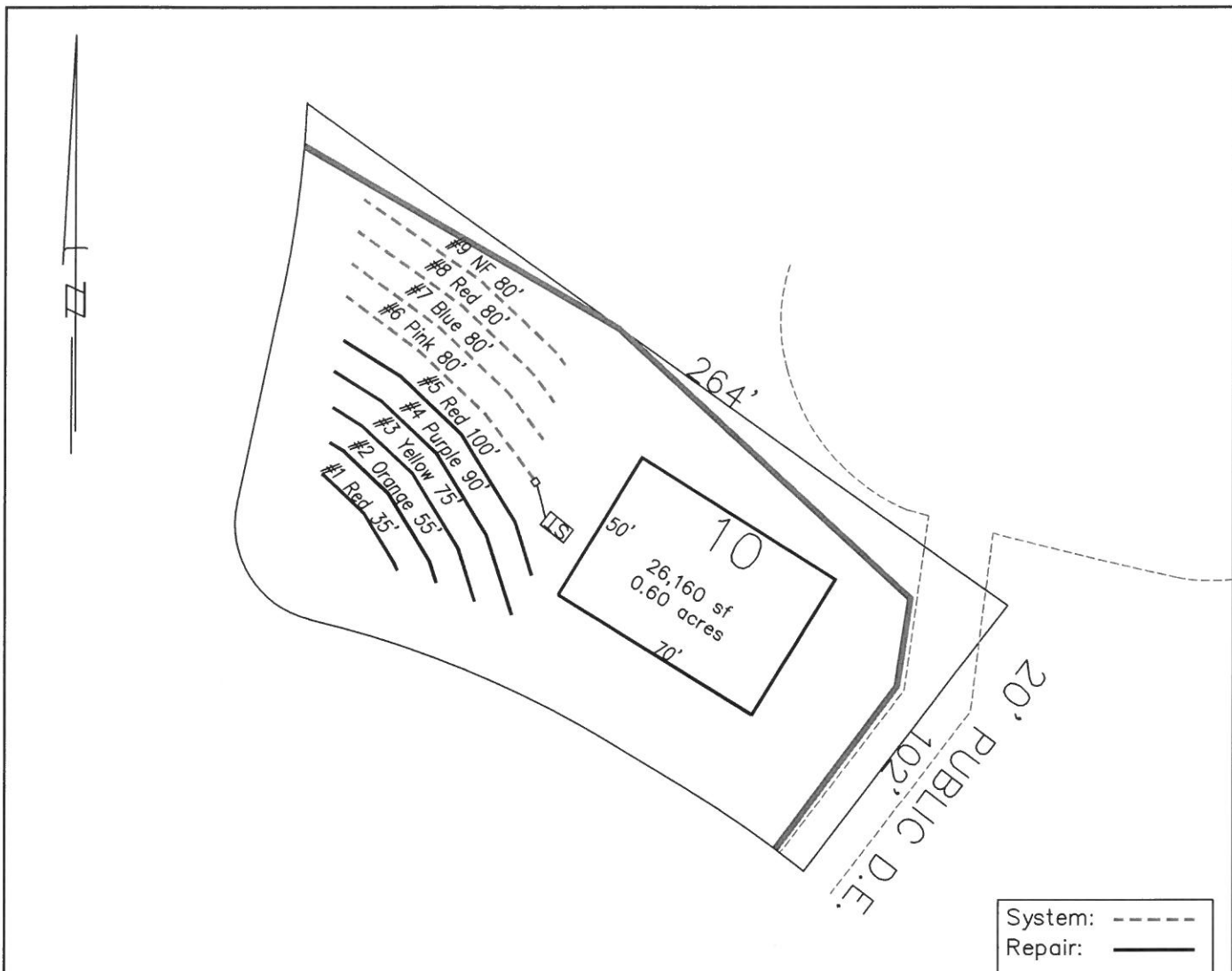
Authorized State Agent:  Date: 11/18/2019
ANDREW CURRAN

* PROPOSAL BY CENTRAL CAROLINA
SOIL CONSULTING

* D-BOX EQUAL DISTRIBUTION
REQUIRED



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

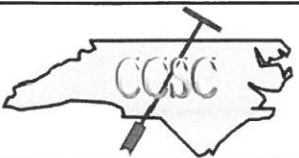


- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.

GRAPHIC SCALE
1" = 50'



System: Gravity to D-Box Lines: 6-9, (320') Accepted Status System 0.4 Soil LTAR 24" Trench Bottom
Repair: Pressure Manifold Lines: 1-5, (355') 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 10, Masons Pointe Subdivision
Harnett County, North Carolina

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

Mason Point, Lot 10 System Tap Chart

Bench Mark	is = 100.00	Location of BM						Elevation Head	-94.00
Pump tank elev.	100.00	Pump elev.	95.00				Manifold elev.	1.00	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR

	total	feet =	0	gal/min =	0		LTAR =	0.3000
							LTAR + %5	0.3150
% of Dose Vol.	75		Des. Flow	480			(ltar W/ INOV)	0.4000
Dose Volume	0.00		Pump Run=	#DIV/0!			(ltar W/ INOV + 5%)	0.4200
Dose Pump Time	#DIV/0!		Tank Gal/IN	19.65				
Drawdown in Inches	0.00							

Mason Point, Lot 10 Repair Tap Chart

Bench Mark	is = 100.00	Location of BM						Elevation Head	3.60
Pump tank elev.	100.00	Pump elev.	95.00				Manifold elev.	98.60	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Red	2.40	97.60	35	1/2in SCH 80	5.48	55.16	105	0.5253
2	Orange	2.90	97.10	55	1/2in SCH 40	7.11	71.56	165	0.4337
3	Yellow	3.10	96.90	75	3/4in SCH 80	10.1	101.66	225	0.4518
4	Purple	3.40	96.60	90	3/4in SCH 40	12.5	125.81	270	0.4660
5	Red	4.40	95.60	100	3/4in SCH 40	12.5	125.81	300	0.4194

	total	feet =	355	gal/min =	47.69		LTAR =	0.4000
							LTAR + %5	0.4200
% of Dose Vol.	75		Des. Flow	480			(ltar W/ INOV)	0.5333
Dose Volume	173.06		Pump Run=	10.07			(ltar W/ INOV + 5%)	0.5600
Dose Pump Time	3.63		Tank Gal/IN	19.65				
Drawdown in Inches	8.81							