

Harnett County Department of Public Health

Improvement Permit

SN 1412

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: Bateman Civil Supply
KB Homes Carolinas

PROPERTY LOCATION: 51 Rawls Farm Ln. (Christian Ct. Rd.)
 SUBDIVISION: Mason Pointe PH 2 LOT # 14

NEW REPAIR EXPANSION

Type of Structure: 4-Bedroom 50'x70' STD

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 valid for: 5 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 Supply
KB Homes Carolinas

PROPERTY LOCATION: 51 Rawls Farm Ln. (Christian Ct. Rd.)
 SUBDIVISION: Mason Pointe PH 2 LOT # 14

Facility Type: 4BR 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) 50% reduction PRBS (Repair)

Installation Requirements/Conditions

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>4</u>	Exact length of each trench <u>65, 80, 95, 115</u> feet	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size <u>1000</u> gallons	Trenches shall be installed on contour at a	Maximum Trench Depth of: <u>20</u> inches	Soil Cover: <u>8</u> inches
	(Trench bottoms shall be level to +1-1/4"	in all directions)	(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

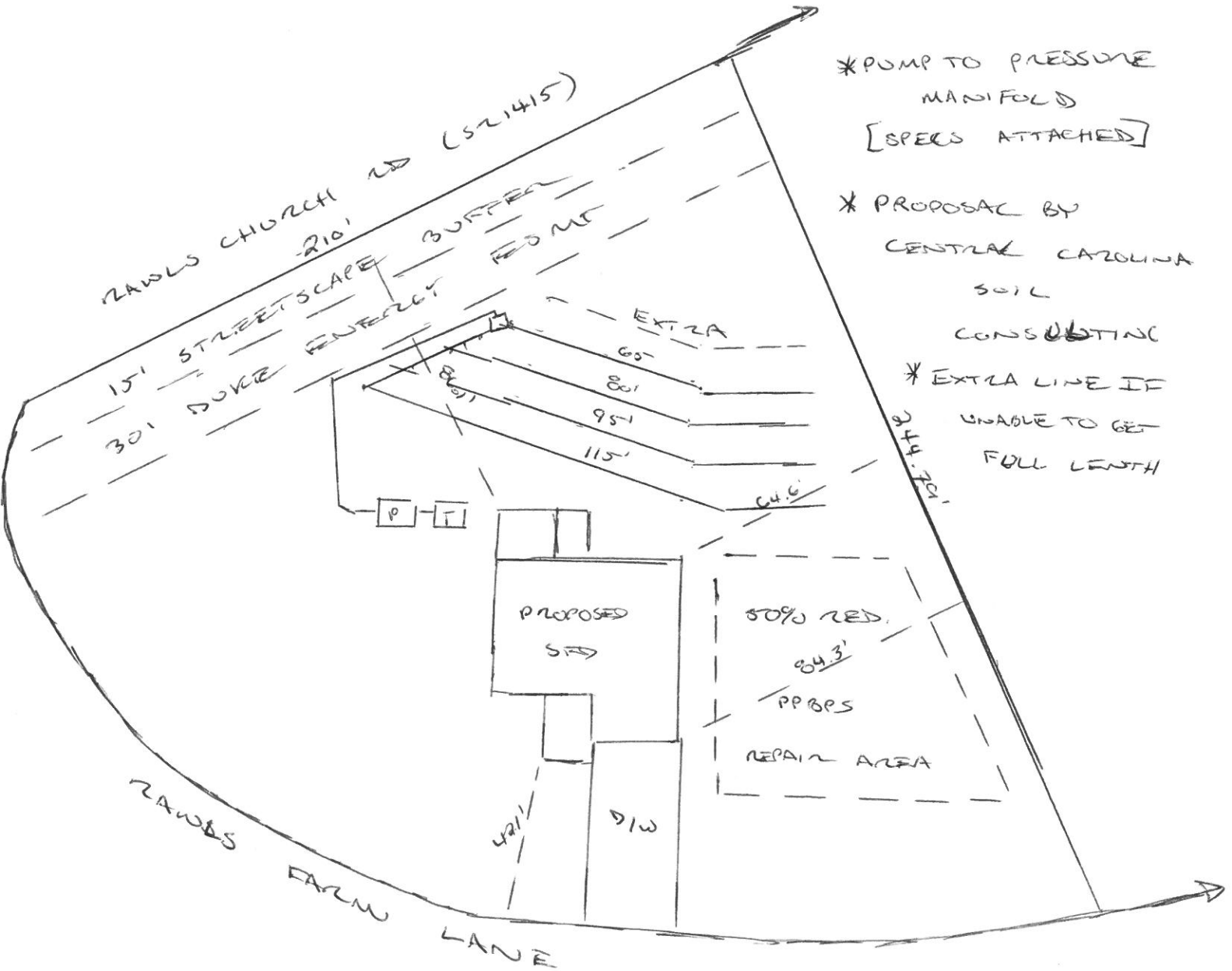
Authorized State Agent: [Signature] Date: 11/18/2019
ANDREW CURRAN Construction Authorization Expiration Date: 11/18/2024

Application # SD1910-0017

Harnett County Department of Public Health Site Sketch

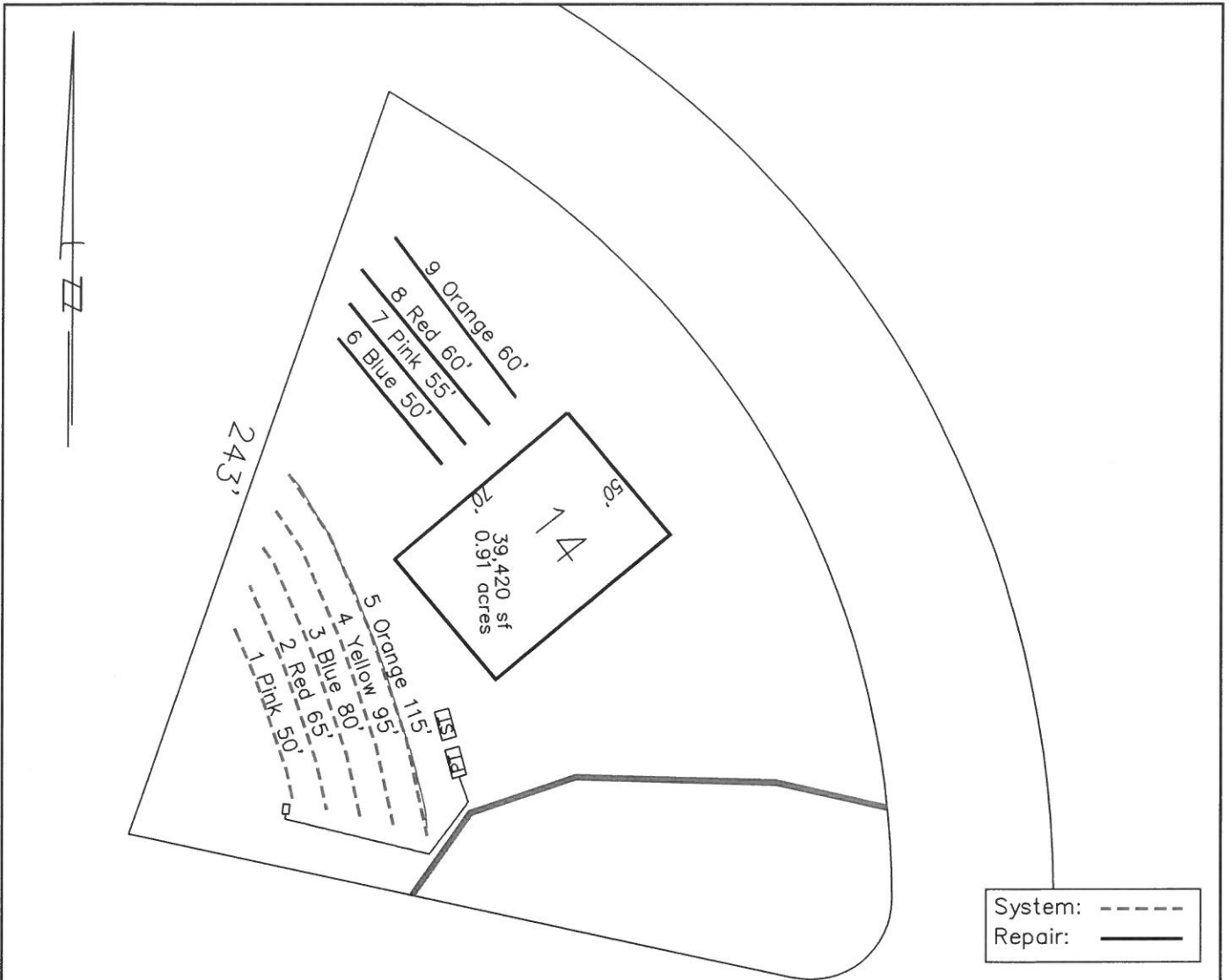
Property Location: 51 Rawls Farm Ln. (Christian Light Rd. - SR 1412)
Issued To: KB Home Carolinas Subdivision Mason Pointe PH 2 Lot # 14

Authorized State Agent: *Andrew Curran* Date: 11/18/2019
ANDREW CURRAN



- * PUMP TO PRESSURE MANIFOLD [SPECS ATTACHED]
- * PROPOSAL BY CENTRAL CAROLINA SOIL CONSULTING
- * EXTRA LINE IF UNABLE TO GET FULL LENGTH

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: 1-5, (405') Accepted Status System 0.4 Soil LTAR 24" Trench Bottom
Repair: T&J Panel Lines: 6-9, (225') 0.4 Soil LTAR 30" 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 14, Masons Pointe Subdivision
Harnett County, North Carolina

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

Masons Pointe Lot 14

Bench Mark	is = 100.00		Location of BM EIP						Elevation Head	5.40
Pump tank elev.	100.00		Pump elev.	94.60	Manifold elev.				97.10	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	
1	Pink	3.90	96.10	50	1/2in SCH 80	5.48	62.18	150	0.4146	
2	Red	4.20	95.80	65	1/2in SCH 40	7.11	80.68	195	0.4137	
3	Blue	4.50	95.50	80	1/2in SCH 40	7.11	80.68	240	0.3362	
4	Yellow	4.80	95.20	95	3/4in SCH 80	10.1	114.61	285	0.4021	
5	Orange	5.10	94.90	115	3/4in SCH 40	12.5	141.84	345	0.4111	

total	feet =	405	gal/min =	42.3	LTAR =	0.3500
					LTAR + %5	0.3675
		Des. Flow	480		(ltar W/ INOV)	0.4667
		Pump Run=	11.35		(ltar W/ INOV + 5%)	0.4900
		Tank Gal/IN	19.65			

**Masons Pointe Lot 14
Repair**

Bench Mark	is = 100.00		Location of BM EIP						Elevation Head	0
Pump tank elev.	100		Pump elev.	95	Manifold elev.				95	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	
6	Blue	6.00	94.00	50	1/2in SCH 80	5.48	104.46	150	0.6964	
7	Pink	6.30	93.70	55	1/2in SCH 40	5.48	104.46	165	0.6331	
8	Red	7.00	93.00	60	1/2in SCH 40	7.11	135.54	180	0.7530	
9	Orange	8.00	92.00	60	1/2in SCH 40	7.11	135.54	180	0.7530	

total	feet =	225	gal/min =	25.18	LTAR =	0.4000
					LTAR + %5	0.4200
		Des. Flow	480		(ltar W/ INOV)	0.8000
		Pump Run=	19.06		(ltar W/ INOV + 5%)	0.8400
		Tank Gal/IN	19.65			