

Harnett County Department of Public Health Improvement Permit

Bullock Civil Surveying

A building permit cannot be issued with only an Improvement Permit

SN 1412

ISSUED TO: KB Homes Carolinas

PROPERTY LOCATION: 16 Nawals Farm Ln. (Christian Ct. Rd.)

NEW REPAIR EXPANSION

SUBDIVISION Mason Pointe PH 2 LOT # 13

Site Improvements required prior to Construction Authorization Issuance:

Type of Structure: 3-bedroom 50'x70' SFD

Proposed Wastewater System Type: 25% Reduction Sys.

Projected Daily Flow: 360 GPD

Number of bedrooms: 3 Number of Occupants: 6 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

Permit conditions:

No expiration

Authorized State Agent: [Signature]

Date: 10/31/2019

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.

Bullock Civil Surveying
ISSUED TO: KB Homes Carolinas

PROPERTY LOCATION: 16 Nawals Farm Ln. (Christian Ct. Rd.)
SUBDIVISION Mason Pointe PH 2 LOT # 13

Facility Type: 332 50'x70' SFD New Expansion Repair

Basement? Yes No Basement Fixtures? Yes No

Type of Wastewater System** 25% Reduction System (Initial) Wastewater Flow: 360 GPD

(See note below, if applicable)

Pump to 25% Red. Sys. (Repair)

Installation Requirements/Conditions

Septic Tank Size 1000 gallons

Pump Tank Size _____ gallons

Number of trenches 4

Exact length of each trench 70 feet

Trenches shall be installed on contour at a

Maximum Trench Depth of: 24 inches

(Trench bottoms shall be level to +1-1/4"

in all directions)

Trench Spacing: 9 Feet on Center

Soil Cover: 12 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

Conditions: _____

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: 10/31/2019

ANDREW CURRAN

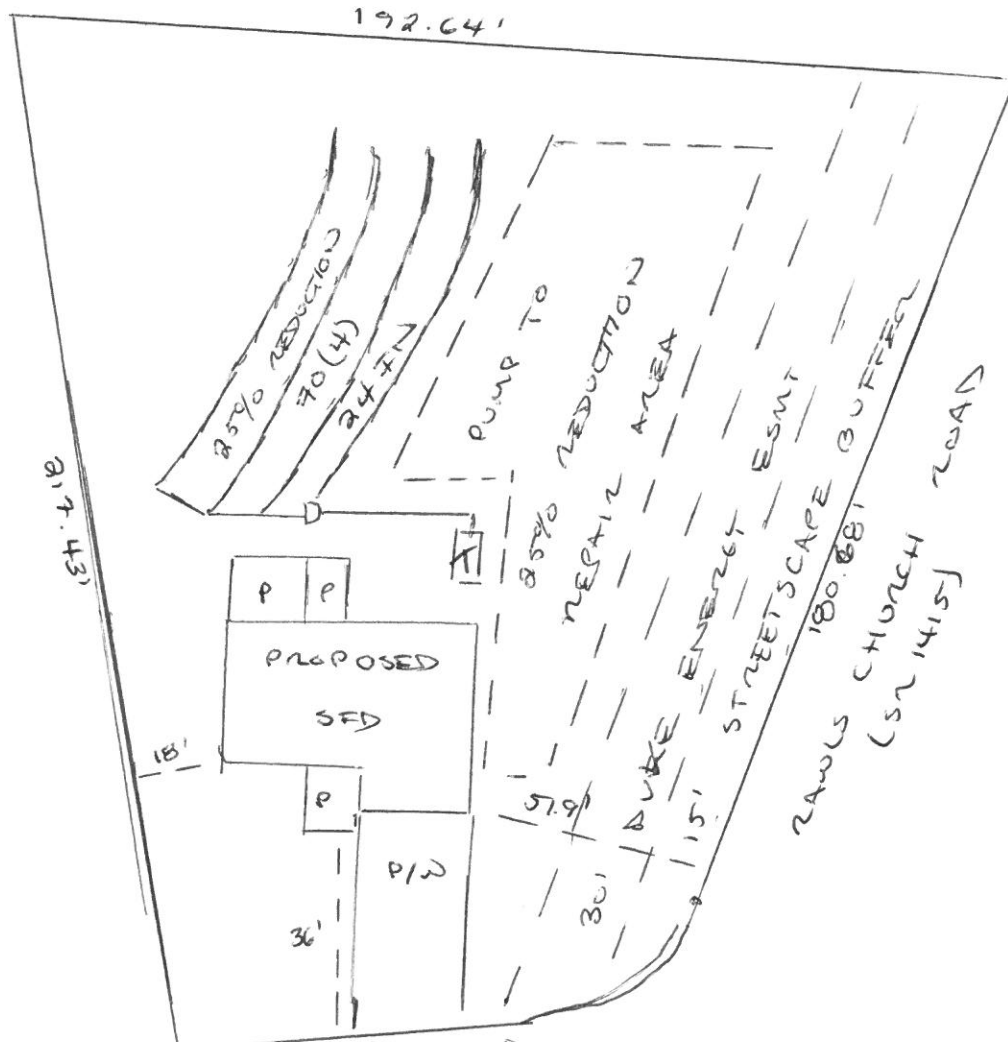
Construction Authorization Expiration Date: 10/31/2024

Application # SFD1910-0611

Harnett County Department of Public Health Site Sketch

Property Location: 16 Rawls Farm Ln. (Christina Light Rd. - SN 1412)
Issued To: KB HOME CARE INC Subdivision Mason Pointe PH 2 Lot # 13
Buttern Civil Surgery
Authorized State Agent: *Andrew Collins* Date: 10/31/2019
ANDREW COLLINS

* PROPOSAL BY CENTRAL CAROLINA
SOIL CONSULTING



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

**Masons Pointe, Lot 13
TAP CHART**

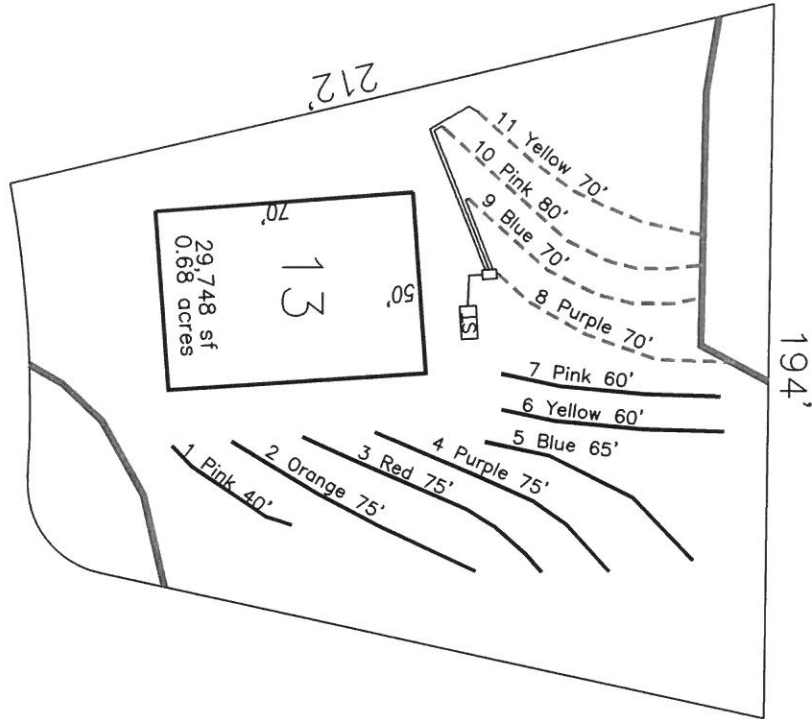
Bench Mark	is = 100.00	Location of BM		Elevation Head	-93.60				
Pump tank elev.	100.00	Pump elev.	94.60	Manifold elev.	1.00				
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR

	total	feet =	0	gal/min =	0	LTAR =	0.3500
						LTAR + %5	0.3675
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.4667
Dose Volume	0.00	Pump Run=	#DIV/0!			(ltar W/ INOV + 5%)	0.4900
Dose Pump Time	#DIV/0!	Tank Gal/IN	19.65				
Drawdown in Inches	0.00						

**Masons Pointe, Lot 13
Repair TAP CHART**

Bench Mark	is = 100.00	Location of BM		Elevation Head	8.50				
Pump tank elev.	5	95.00	Pump elev.	89.60	Manifold elev.	99.10			
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Pink	1.90	98.10	40	ERROR	4.58	54.78	120	0.4565
2	Purple	2.20	97.80	75	1/2in SCH 40	7.11	85.04	225	0.3780
3	Blue	2.30	97.70	75	1/2in SCH 40	7.11	85.04	225	0.3780
4	Pink	2.70	97.30	75	1/2in SCH 40	7.11	85.04	225	0.3780
5	Yellow	3.50	96.50	65	1/2in SCH 40	7.11	85.04	195	0.4361
6	Yellow	4.20	95.80	60	1/2in SCH 40	7.11	85.04	180	0.4725

	total	feet =	390	gal/min =	40.13	LTAR =	0.3500
						LTAR + %5	0.3675
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.4667
Dose Volume	190.13	Pump Run=	11.96			(ltar W/ INOV + 5%)	0.4900
Dose Pump Time	4.74	Tank Gal/IN	19.65				
Drawdown in Inches	9.68						



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: Gravity to D-Box
 Lines: 8-11, (4 x 70' x 3')
 Accepted Status System
 0.35 Soil LTAR
 24" Trench Bottom

Repair: Pressure Manifold
 Lines: 1-7, (450')
 Accepted Status System
 0.35 Soil LTAR
 24" Trench Bottom



Central Carolina Soil Consulting, PLLC
 1900 South Main Street, Suite 110
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3-Bedroom Septic Layout
 Lot 13, Masons Pointe Subdivision
 Harnett County, North Carolina

Job# : 2031
Drawn By : AH
Date : 05/24/2019
Revision: 10/28/2019