

# Harnett County Department of Public Health

## Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: KB Homes Carolinas PROPERTY LOCATION: 48 Rawls Farm Ln. (Christian Lt. Rd. - SR  
 SUBDIVISION Mason Pointe LOT # 11

NEW  REPAIR  EXPANSION  Site Improvements required prior to Construction Authorization Issuance: \_\_\_\_\_

Type of Structure: 3-Bedroom 40 x 42 Crawl

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  No expiration

Permit conditions: \_\_\_\_\_

Authorized State Agent:  Date: 03/23/2021 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: 48 Rawls Farm Ln. (Christian Lt. Rd. - S  
 SUBDIVISION Mason Pointe LOT # 11

Facility Type: 3-Bedroom 40 x 42 Crawl  New  Expansion  Repair

Basement?  Yes  No Basement Fixtures?  Yes  No

Type of Wastewater System\*\* 25% Reduction Sys. (Add Line) (Initial) Wastewater Flow: 360 GPD

(See note below, if applicable ) 25% Reduction System (Full) (Repair)

<u>Installation Requirements/Conditions</u>	Number of trenches <u>Multi</u>	
Septic Tank Size <u>Ext.</u> gallons	Exact length of each trench <u>Multi</u> feet	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size <u>Ext.</u> gallons	Trenches shall be installed on contour at a Maximum Trench Depth of: <u>20</u> inches (Trench bottoms shall be level to +/-1/4" in all directions)	Soil Cover: <u>8</u> inches (Maximum soil cover shall not exceed 36" above the trench bottom)
Pump Requirements: _____ ft. TDH vs. _____ GPM		Aggregate Depth: <u>NA</u> inches below pipe <u>NA</u> inches above pipe <u>NA</u> inches total

Conditions: Reference Site Plan & Septic Proposal

**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:  Date: 03/23/2021  
ANDREW CURRAN Construction Authorization Expiration Date: 03/23/2026

# Harnett County Department of Public Health Site Sketch

Property Location: 48 Rawls Farm Ln. (Christian Lt. Rd. - SR 1412)

Issued To: KB Homes Carolinas

Subdivision Mason Pointe

Lot # 11

Authorized State Agent: \_\_\_\_\_

*[Signature]*  
ARSHAD WAZIR

Date: 03/23/2021

### SEPTIC NOTES

### LANDSCAPING NOTES

\* PUMP TO PRESSURE MANIFOLD [SPECS ATTACHED]

\* INITIAL AND REPAIR PROPOSAL BY CENTRAL  
CAROLINA SOIL CONSULTING

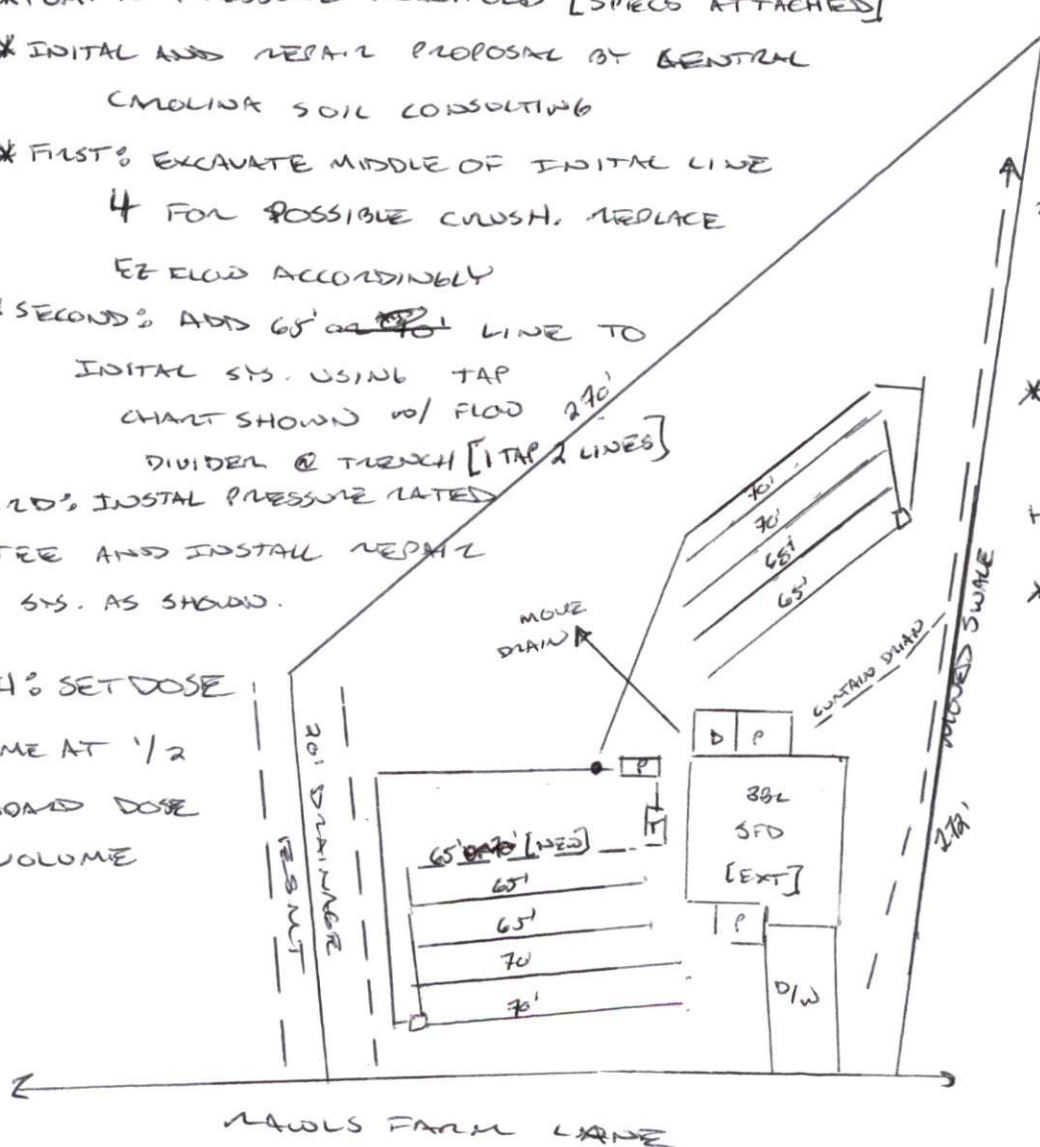
\* FIRST: EXCAVATE MIDDLE OF INITIAL LINE  
4' FOR POSSIBLE CRUSH, REPLACE  
E2 FLOW ACCORDINGLY

\* SECOND: ADD 65' ~~OR 70'~~ LINE TO  
INITIAL SYS. USING TAP  
CHART SHOWN w/ FLOW 240'  
DIVIDER @ TRENCH [TAP 2 LINES]

\* THIRD: INSTAL PRESSURE RATED  
TEE AND INSTALL REPAIR  
SYS. AS SHOWN.

\* FOURTH: SET DOSE  
VOLUME AT 1/2  
STANDARD DOSE  
VOLUME

\* MOVE FOUNDATION  
DRAINS  
\* RELOCATE SWALE  
TO BE OFF  
SEPTIC AREA  
\* INSTALL CURTAIN  
DRAIN FROM  
HOME TO SWALE  
\* USE CAUTION  
IN FINAL  
LANDSCAPING



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

PRESSURE RATED TEE WITH GATE VALVES IN PROTECTIVE BOXES FOR EACH SYSTEM

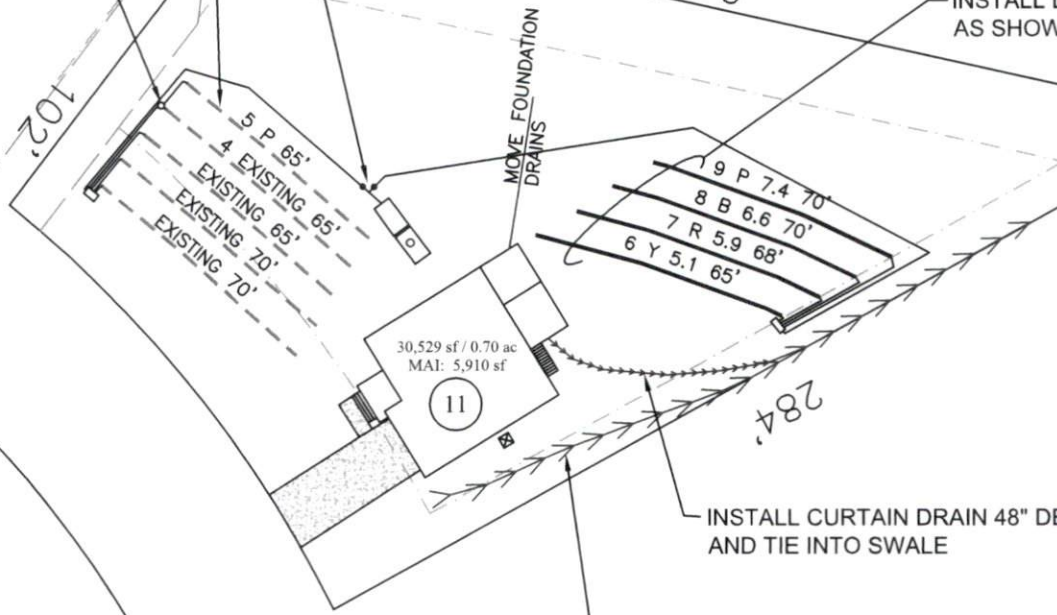
- \*Keep tanks and drain lines 10' from property lines.
- \*Not a survey.
- \*Not a guarantee of a septic permit.
- \*Keep supply lines >5' from property lines.
- \*Some lines are flagged longer in the field than lengths indicate.
- \*No grading septic area.

ADD LINE 5 TO EXISTING SYSTEM

FLOW DIVIDE LINES 4 & 5

Existing Wetlands

INSTALL LINES 6-9 AS SHOWN



NOTE:  
SET DOSE VOLUME AT  $\frac{1}{2}$  STANDARD DOSE VOLUME

System: - - - -  
Repair: ————

GRAPHIC SCALE  
1" = 50'



System: Pressure Manifold. Lines: 1-5, (335') Accepted Status System 0.35 Soil LTAR 24" Trench Bottom
Repair: Pressure manifold Lines: 6-9, (273') Accepted Status System 0.35 Soil LTAR 20" 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

3-Bedroom Septic Layout  
Lot 11, Masons Pointe Subdivision  
Harnett County, North Carolina

Job# : 2031
Drawn By : MB
Date : 04/23/2019
Revision: 03/23/2021

**Mason Pointe Lot 11**

<b>Bench Mark</b>	is = 100.00		Location of BM EIP		<b>Elevation Head</b>	5.40			
<b>Pump tank elev.</b>	100.00		<b>Pump elev.</b>	94.60		<b>Manifold elev.</b>	97.80		
<b>line</b>	<b>color</b>	<b>rod read</b>	<b>Elevation</b>	<b>length</b>	<b>hole size</b>	<b>flow/tap</b>	<b>gal/day</b>	<b>trench area</b>	<b>LINE LTAR</b>
1	EXISTING	3.20	96.80	70	1/2in SCH 80	5.48	90.00	210	0.4286
2	EXISTING	5.10	94.90	70	1/2in SCH 80	5.48	90.00	210	0.4286
3	EXISTING	6.20	93.80	65	1/2in SCH 80	5.48	90.00	195	0.4615
4	EXISTING	7.10	92.90	65	FD 1/2in SCH 80	2.74	45.00	195	0.2308
5	PINK	7.80	92.20	65	FD 1/2in SCH 80	2.74	45.00	195	0.2308

<b>total</b>	<b>feet =</b>	<b>335</b>	<b>gal/min =</b>	<b>21.92</b>	<b>LTAR =</b>	<b>0.3500</b>
					<b>LTAR + %5</b>	<b>0.3675</b>
			<b>Des. Flow</b>	<b>360</b>	<b>(Itar W/ INOV)</b>	<b>0.4667</b>
			<b>Pump Run=</b>	<b>16.42</b>	<b>(Itar W/ INOV + 5%)</b>	<b>0.4900</b>
			<b>Tank Gal/IN</b>	<b>19.65</b>		

Note: Flow Divide lines 4 & 5

**Mason Pointe Lot 11  
Repair**

<b>Bench Mark</b>	is = 100.00		Location of BM EIP		<b>Elevation Head</b>	0.9			
<b>Pump tank elev.</b>	100		<b>Pump elev.</b>	95		<b>Manifold elev.</b>	95.9		
<b>line</b>	<b>color</b>	<b>rod read</b>	<b>Elevation</b>	<b>length</b>	<b>hole size</b>	<b>flow/tap</b>	<b>gal/day</b>	<b>trench area</b>	<b>LINE LTAR</b>
6	Yellow	5.10	94.90	65	1/2in SCH 80	5.48	90.00	195	0.4615
7	Blue	5.90	94.10	68	1/2in SCH 80	5.48	90.00	204	0.4412
8	Red	6.60	93.40	70	1/2in SCH 80	5.48	90.00	210	0.4286
9	Pink	7.40	92.60	70	1/2in SCH 80	5.48	90.00	210	0.4286

<b>total</b>	<b>feet =</b>	<b>273</b>	<b>gal/min =</b>	<b>21.92</b>	<b>LTAR =</b>	<b>0.3500</b>
					<b>LTAR + %5</b>	<b>0.3675</b>
			<b>Des. Flow</b>	<b>360</b>	<b>(Itar W/ INOV)</b>	<b>0.4667</b>
			<b>Pump Run=</b>	<b>16.42</b>	<b>(Itar W/ INOV + 5%)</b>	<b>0.4900</b>
			<b>Tank Gal/IN</b>	<b>19.65</b>		