

Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

521412

ISSUED TO: KB Homes Carolinas PROPERTY LOCATION: 55 Rolling Field Dr. (Christen Ct. Rd.)
 NEW REPAIR EXPANSION SUBDIVISION: Mason Pointe LOT # 23
 Type of Structure: 4-Bedroom 50'x40' STD Site Improvements required prior to Construction Authorization Issuance:
 Proposed Wastewater System Type: 25% reduction
 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
 Permit conditions: _____ No expiration

Authorized State Agent: [Signature] Date: 07/17/2019 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.

521412

ISSUED TO: KB Homes Carolinas PROPERTY LOCATION: 55 Rolling Field Dr. (Christen Ct. Rd.)
 SUBDIVISION: Mason Pointe LOT # 23
 Facility Type: 4BR 50'x40' STD New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** 25% reduction system (Initial) Wastewater Flow: 480 GPD
 (See note below, if applicable)

25% 50% reduction sys. (Repair)

Installation Requirements/Conditions	Number of trenches <u>MULTI</u>	
Septic Tank Size <u>1000</u> gallons	Exact length of each trench <u>350 (11' feet)</u>	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size <u>1000</u> gallons	Trenches shall be installed on contour at a	Soil Cover: <u>12</u> inches
	Maximum Trench Depth of: <u>24</u> 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: <u>NA</u> inches below pipe
Conditions: _____		<u>NA</u> inches above pipe
		<u>NA</u> 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: 07/17/2019
ANDREW LORAN Construction Authorization Expiration Date: 07/17/2024

HTE# SFD1905-0025

Permit # NA

Harnett County Department of Public Health Site Sketch

ISSUED TO: KB Home Carolinas

PROPERTY LOCATOR: 55 Rolling Field Dr (Christian Ct. Rd.) ^{52 1418}
SUBDIVISION: Mason Pointe LOT # 23

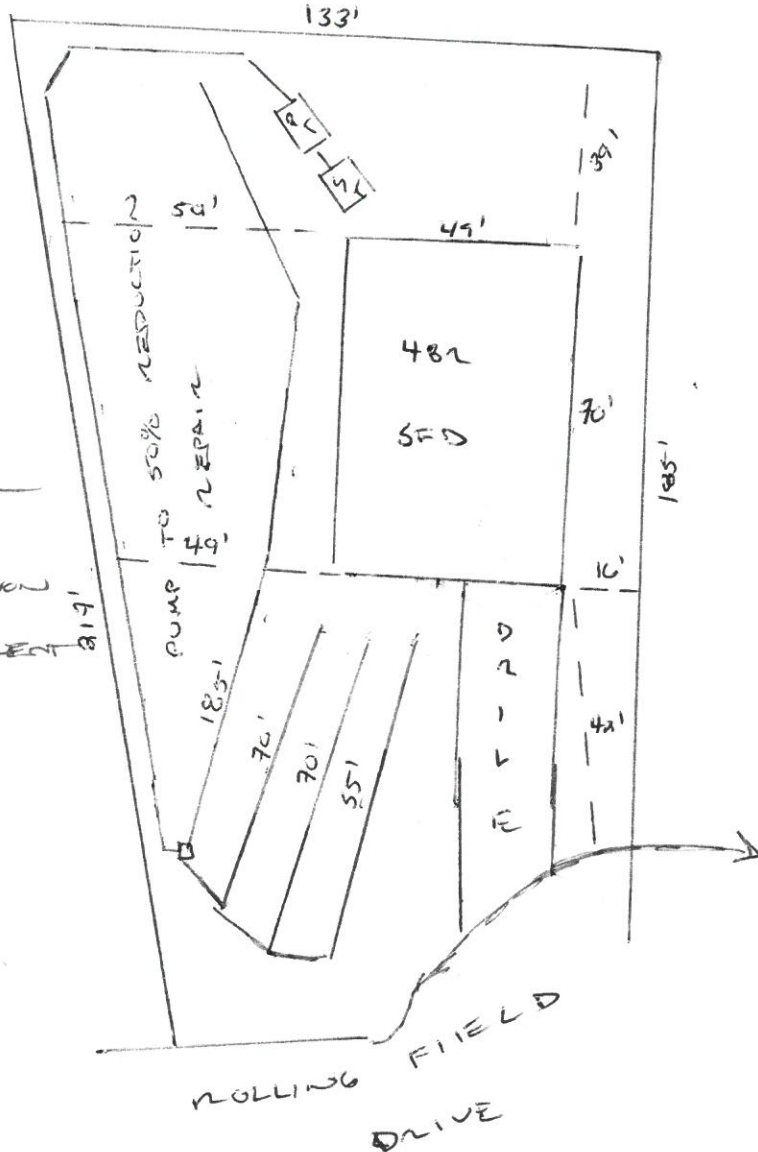
Authorized State Agent:

[Signature]
ANDREW CURLIN

Date: 07/17/2019

- * PUMP TO PRESSURE MANIFOLD (SPECS ATTACHED)
- * PUMP TO 350FT 25% REDUCTION MINIMUM (380FT MARKED BY SOIL SCIENTIST)
- * PROPOSED BY CENTRAL CAROLINA SOIL CONSULTING, PLLC

* THIS DRAWING IS FOR
ILLUSTRATIVE PURPOSE
ONLY. SYSTEM INSTALLATION
MUST MEET ALL PERTINENT
LAWS, RULES, AND
REGULATIONS



Masons Pointe S/D Lot 23 SYSTEM TAP CHART

Bench Mark		is = 100.00 Location of BM				Elevation Head			0.80
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.			95.40	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
4	Pink	5.60	94.40	185	1in SCH 80	16.8	211.49	555	0.3811
5	Yellow	5.90	94.10	70	1/2in SCH 40	7.11	89.50	210	0.4262
6	Red	6.30	93.70	70	1/2in SCH 40	7.11	89.50	210	0.4262
7	Orange	6.60	93.40	65	1/2in SCH 40	7.11	89.50	195	0.4590
		total	feet =	390	gal/min =	38.13	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=		12.59		(ltar W/ INOV + 5%)		0.4900	
Dose Pump Time	4.99	Tank Gal/IN		19.65					
Drawdown in Inches	9.68								

Masons Pointe S/D Lot 23 Repair TAP CHART

Bench Mark		is = 100.00 Location of BM				Elevation Head			1.50
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.			96.10	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Red	4.90	95.10	40	1/2in SCH 80	5.48	75.63	120	0.6302
2	Purple	5.20	94.80	110	3/4in SCH 40	12.5	172.51	330	0.5228
3	Blue	5.60	94.40	140	1in SCH 80	16.8	231.86	420	0.5520
		total	feet =	290	gal/min =	34.78	LTAR =		0.3500
						LTAR + %5		0.3675	
% of Dose Vol.	75	Des. Flow		480		(ltar W/ INOV)		0.7000	
Dose Volume	141.38	Pump Run=		13.80		(ltar W/ INOV + 5%)		0.7350	
Dose Pump Time	4.06	Tank Gal/IN		19.65					
Drawdown in Inches	7.19								