

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: 21 Rolling Field Dr. (Christina H. Rd.)
 SUBDIVISION: Mason Pointe LOT # 24
 NEW REPAIR EXPANSION
 Type of Structure: 4-Bedroom 50'x90' STD
 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 conditions: _____ Permit valid for: Five years 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.

ISSUED TO: KB Homes Carolinas PROPERTY LOCATION: 21 Rolling Field Dr. (Christina H. Rd.)
 SUBDIVISION: Mason Pointe LOT # 24
 Facility Type: 4BA 50'x90' 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% reduction sys. (Repair)
Installation Requirements/Conditions
 Septic Tank Size 1000 gallons Number of trenches MULTI
 Pump Tank Size 1000 gallons Exact length of each trench 350 (MIN) feet Trench Spacing: 9 Feet on Center
 [IF REQUIRED] 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)
 in all directions
 Pump Requirements: _____ ft. TDH vs. _____ GPM Aggregate Depth: NA inches below pipe
 Conditions: Pump may be required (manifold specs included) NA inches above pipe
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: 07/17/2019
ANDREW CURRIE Construction Authorization Expiration Date: 07/17/2024

HTE# SFD1905-0027

Permit # NA

Harnett County Department of Public Health Site Sketch

ISSUED TO: KB Homes Carolinas

PROPERTY LOCATOR: 21 Rolling Field Dr. (Christen Lt Rd.)
SUBDIVISION: Mason Pointe LOT # 24

Authorized State Agent: *[Signature]*
ANDREW CORBIN

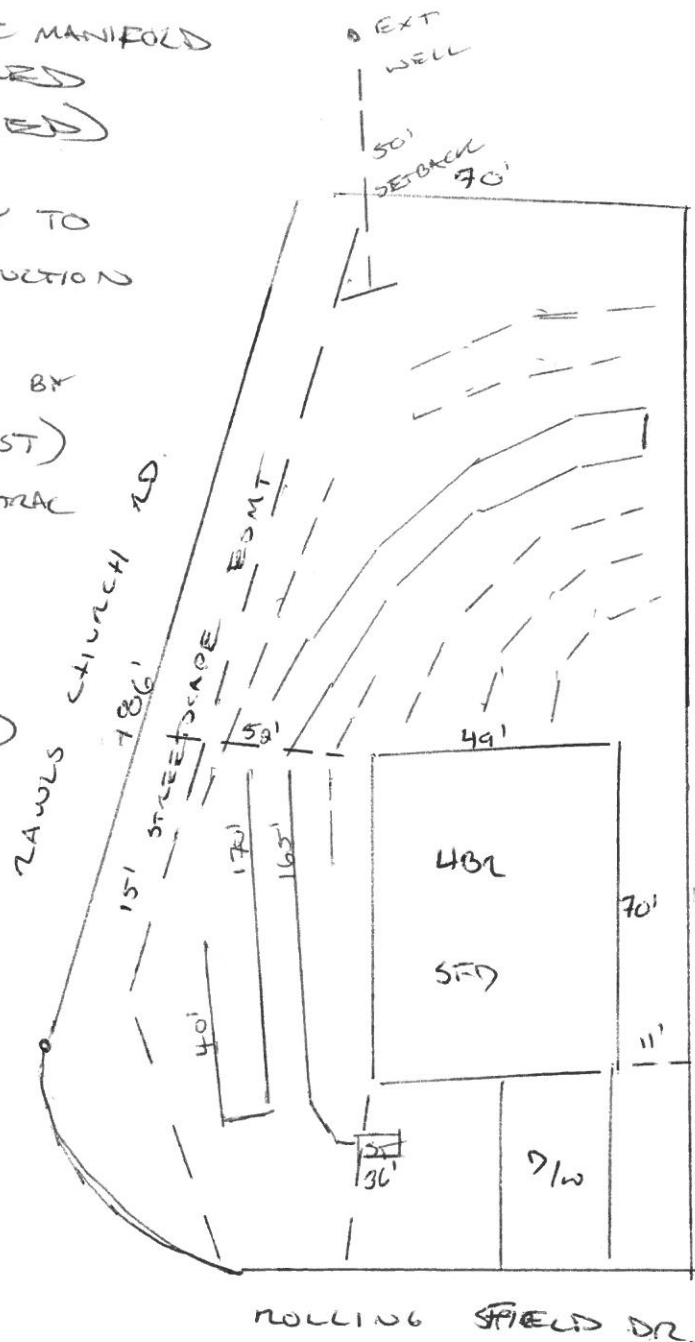
Date: 07/17/2019

*PUMP TO PRESSURE MANIFOLD
MAY BE REQUIRED
(SPECS ATTACHED)

*PUMP OR GRAVITY TO
350FT 25% REDUCTION
MINIMUM
(380FT MARKED BY
SOIL SCIENTIST)

*PROPOSAL BY CENTRAL
CAROLINA SOIL
CONSULTING, PLLC

*SPLIT REPAIR
AREA (DOTTED LINE)



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

**Masons Pointe S/D Lot 24
SYSTEM TAP CHART**

Bench Mark	is = 100.00		Location of BM					Elevation Head	2.40
Pump tank elev.	100.00		Pump elev.	94.60		Manifold elev.			97.00
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
4	Red	4.00	96.00	165	1in SCH 40	20.2	211.33	495	0.4269
5	Blue	4.00	96.00	170	1in SCH 40	20.2	211.33	510	0.4144
6	Pink	4.20	95.80	40	1/2in SCH 80	5.48	57.33	120	0.4778

	total	feet =	375	gal/min =	45.88	LTAR =	0.3500
						LTAR + %5	0.3675
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.4667
Dose Volume	182.81	Pump Run=	10.46			(ltar W/ INOV + 5%)	0.4900
Dose Pump Time	3.98	Tank Gal/IN	19.65				
Drawdown in Inches	9.30						

**Masons Pointe S/D Lot 24
Repair TAP CHART**

Bench Mark	is = 100.00		Location of BM					Elevation Head	2.30
Pump tank elev.	100.00		Pump elev.	94.60		Manifold elev.			96.90
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Red	4.10	95.90	60	1/2in SCH 40	7.11	90.36	180	0.5020
2	Yellow	3.80	96.20	50	1/2in SCH 80	5.48	69.64	150	0.4643
3	Purple	3.40	96.60	45	1/2in SCH 80	5.48	69.64	135	0.5159
7	Yellow	3.70	96.30	75	1/2in SCH 40	7.11	90.36	225	0.4016
8	Pink	4.50	95.50	70	1/2in SCH 40	7.11	90.36	210	0.4303
9	Purple	5.50	94.50	50	1/2in SCH 80	5.48	69.64	150	0.4643

	total	feet =	350	gal/min =	37.77	LTAR =	0.3500
						LTAR + %5	0.3675
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.4667
Dose Volume	170.63	Pump Run=	12.71			(ltar W/ INOV + 5%)	0.4900
Dose Pump Time	4.52	Tank Gal/IN	19.65				
Drawdown in Inches	8.68						