

Harnett County Department of Public Health Improvement Permit

Bretman Civil Survey

A building permit cannot be issued with only an Improvement Permit

521412

ISSUED TO: KB HOMES Carolinas

PROPERTY LOCATION: 43 Allwood Dr. (Christen Lt. Rd.)

SUBDIVISION Mason Pointe PH 2 LOT # 2

NEW REPAIR EXPANSION

Site Improvements required prior to Construction Authorization Issuance:

Type of Structure: 4-Bedroom 50'x76' SFD

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: Five years
 No expiration

Permit conditions:

Authorized State Agent: [Signature]

Date: 10/28/2019

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.

Bretman Civil Survey

ISSUED TO: KB HOMES Carolinas

PROPERTY LOCATION: 43 Allwood Dr. (Christen Lt. Rd.)

SUBDIVISION Mason Pointe PH 2 LOT # 2

Facility Type: 4B2 50'x70' SFD 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

Pump Tank Size 1000 gallons

Number of trenches 3

Exact length of each trench 100, 125, 130 feet

Trenches shall be installed on contour at a

Maximum Trench Depth of: 24 inches

(Trench bottoms shall be level to +/- 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

NA inches total

Conditions: Pump to Pressure Manifold [Specs attached]

**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: 10/28/2019

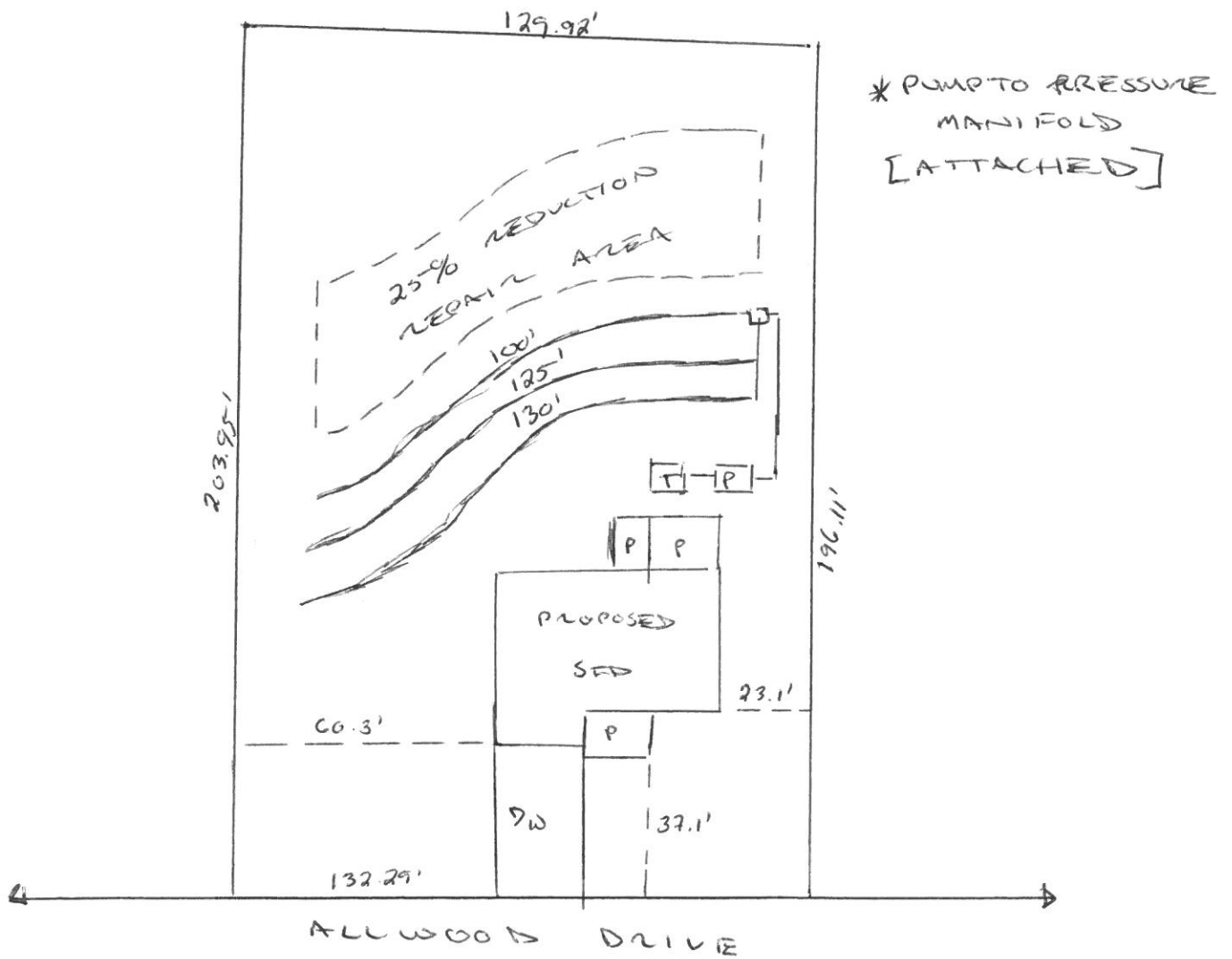
ANDREW CURRAN

Construction Authorization Expiration Date: 10/28/2024

Application # SFD1910-0022

Harnett County Department of Public Health Site Sketch

Property Location: 43 Allwood Dr. (Christen Light Rd. - SN 1412)
Issued To: KB Homes Carolinas Subdivision Mason Pointe PH 2 Lot # 2
Bakeman Civil Survey
Authorized State Agent: *Andrew Curran* Date: 10/22/2019
ANDREW CURRAN



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

Mason Point Lot 2

Bench Mark		is = 100.00 Location of BM EIP				Elevation Head			5.40
Pump tank elev.		5.5	94.50	Pump elev.	89.10	Manifold elev.			97.20
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
5	Red	3.80	96.20	100	1/2in SCH 40	7.11	124.97	300	0.4166
6	Yellow	4.30	95.70	127	3/4in SCH 80	10.1	177.52	381	0.4659
7	Purple	4.70	95.30	130	3/4in SCH 80	10.1	177.52	390	0.4552

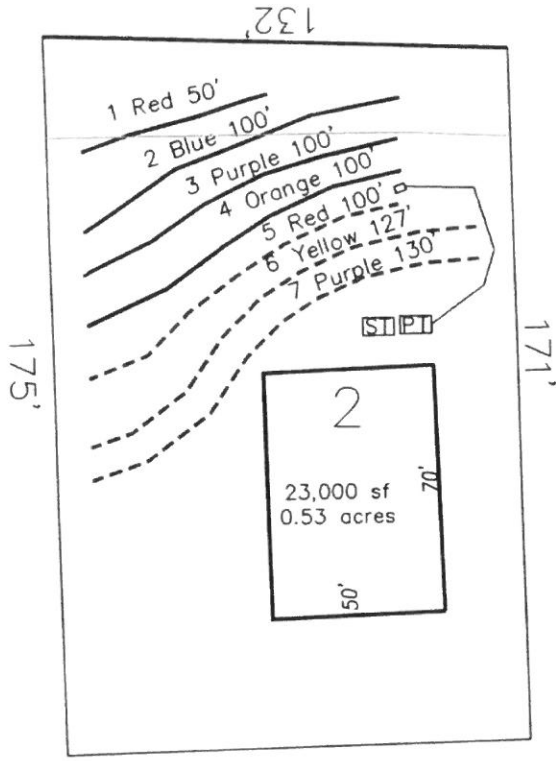
total	feet =	357	gal/min =	27.31	<u>LTAR =</u>	0.3500
					<u>LTAR + %5</u>	0.3675
			<u>Des. Flow</u>	480	(ltar W/ INOV)	0.4667
			Pump Run=	17.58	(ltar W/ INOV + 5%)	0.4900
			Tank Gal/IN	19.65		

Mason Point Lot 2

Repair

Bench Mark		is = 100.00 Location of BM EIP				Elevation Head			9.5
Pump tank elev.		5.5	94.5	Pump elev.	89.5	Manifold elev.			99
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Red	2.00	98.00	50	1/2in SCH 80	5.48	61.20	150	0.4080
2	Blue	2.30	97.70	100	1/2in SCH 40	12.5	139.60	300	0.4653
3	Purple	2.90	97.10	100	3/4in SCH 40	12.5	139.60	300	0.4653
4	Orange	3.40	96.60	100	3/4in SCH 40	12.5	139.60	300	0.4653

total	feet =	350	gal/min =	42.98	LTAR =	0.35
					LTAR + %5	0.3675
			Des. Flow	480	(ltar W/ INOV)	0.4667
			Pump Run=	11.17	(ltar W/ INOV + 5%)	0.4900
			Tank Gal/IN	19.65		



System: - - - - -
 Repair: —————

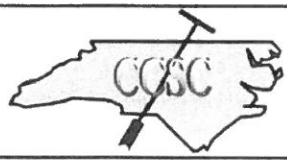
- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.

GRAPHIC SCALE
 1" = 50'



System: Pressure Manifold
 Lines: 5-7, (355')
 Accepted Status System
 0.35 Soil LTAR
 24" Trench Bottom

Repair: Pressure Manifold
 Lines: 1-4, (350')
 Accepted Status System
 0.35 Soil LTAR
 24" Trench Bottom



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4-Bedroom Septic Layout
 Lot 2, Masons Pointe Subdivision
 Harnett County, North Carolina

Job# : 2031
Drawn By : AH
Date : 04/22/2019
Revision: