

Harnett County Department of Public Health

Improvement Permit

SA 1412

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: KB Home Carolinas Bateman Civil Survey Co. PROPERTY LOCATION: 91 Allwood Dr. (Christian Light Rd.)
 SUBDIVISION Mason Pointe PH 2 LOT # 4

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

Type of Structure: 4-Bedroom 50'x70' STD
 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.

ISSUED TO: KB Home Carolinas Bateman Civil Survey Co. PROPERTY LOCATION: 91 Allwood Dr. (Christian Lt. Rd.)
 SUBDIVISION Mason Pointe PH 2 LOT # 4

Facility Type: 4BR 50'x70' 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 50% reduction sys. [PPAPS STS.] (Repair))

Installation Requirements/Conditions

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>5</u>	Exact length of each trench <u>70, 95, 115, 85, 55'</u>	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size <u>1000</u> gallons	Trenches shall be installed on contour at a	Maximum Trench Depth of: <u>18</u> inches	Soil Cover: <u>6</u> inches
	(Trench bottoms shall be level to +/- 1/4"	(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
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 CORBIN Construction Authorization Expiration Date: 10/28/2024

HTE# SFD1909-0016

Permit # N/A

Harnett County Department of Public Health Site Sketch

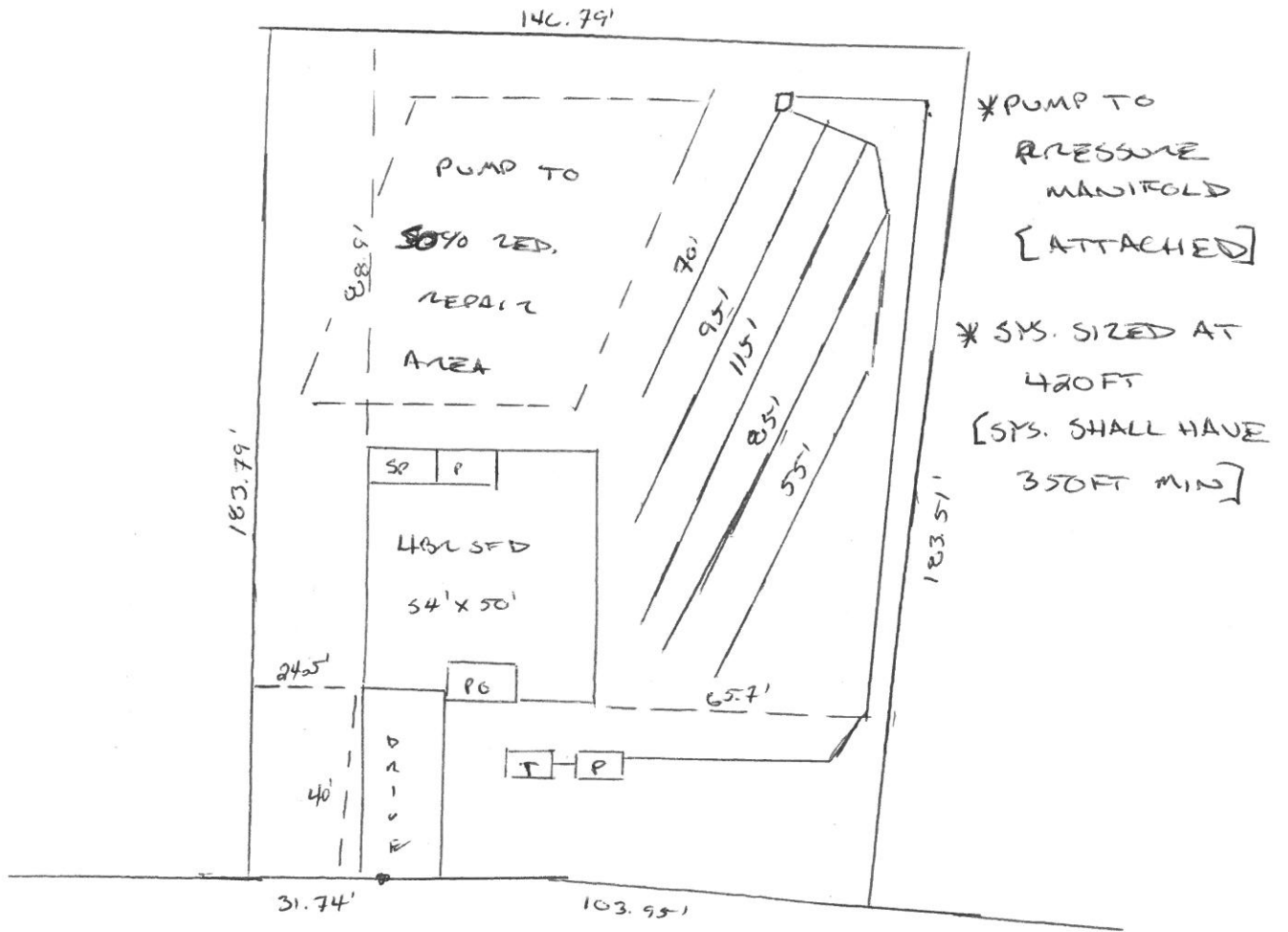
KB Home Carolinas

SN 1412

ISSUED TO: Butcher Civil Survey Co.

PROPERTY LOCATOR: 91 Allwood Drive (Christian Ct. Rd.)
SUBDIVISION Mason Pointe PH2 LOT # 4

Authorized State Agent: *[Signature]* Date: 10/28/2019
ANDREW CURRIN



Mason Point Lot 4

Bench Mark		is = 100.00 Location of BM EIP				Elevation Head		5.40			
Pump tank elev.		100.00		Pump elev.		94.60		Manifold elev.		97.20	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR		
8	Yellow	3.80	96.20	70	1in SCH 80	16.8	150.90	210	0.7186		
9	Pink	4.60	95.40	95	1in SCH 40	20.2	181.44	285	0.6366		
10	Purple	5.30	94.70	115	1/2in SCH 80	5.48	49.22	345	0.1427		
11	Blue	6.00	94.00	85	1/2in SCH 80	5.48	49.22	255	0.1930		
12	Red	6.50	93.50	55	1/2in SCH 80	5.48	49.22	165	0.2983		

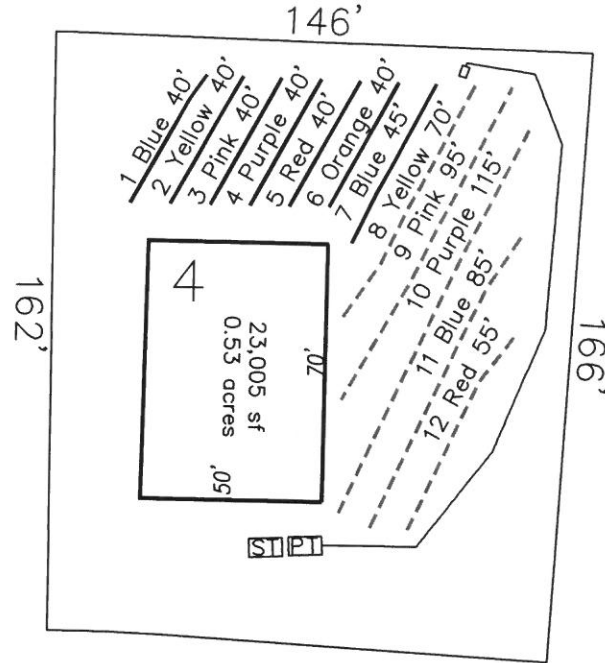
total	feet =	420	gal/min =	53.44	LTAR =	0.3500
					LTAR + %5	0.3675
			Des. Flow	480	(ltar W/ INOV)	0.4667
			Pump Run=	8.98	(ltar W/ INOV + 5%)	0.4900
			Tank Gal/IN	19.65		

Mason Point Lot 4

Repair

Bench Mark		is = 100.00 Location of BM EIP				Elevation Head		6			
Pump tank elev.		100		Pump elev.		95		Manifold elev.		101	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR		
1			100.00		1/2in SCH 80	5.48	120.00	0	#DIV/0!		
2			100.00		1/2in SCH 40	5.48	120.00	0	#DIV/0!		
3			100.00		1/2in SCH 80	5.48	120.00	0	#DIV/0!		
4			100.00		1/2in SCH 80	5.48	120.00	0	#DIV/0!		

total	feet =	0	gal/min =	21.92	LTAR =	0.35
					LTAR + %5	0.3675
			Des. Flow	480	(ltar W/ INOV)	0.4667
			Pump Run=	21.90	(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: 8-12, (420')
Accepted Status System
0.35 Soil LTAR
18" Trench Bottom

Repair: T&J Panel
Lines: 1-8, (280')
Accepted Status System
0.35 Soil LTAR
18" 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

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

Job# : 2031
Drawn By : AH & TMB
Date : 04/22/2019
Revision: 10/23/2019