

Harnett County Department of Public Health

Improvement Permit

A building permit cannot be issued with only an Improvement Permit

52 1412

BUTLER CIVIL SURVEY
 ISSUED TO: KB Homes Carolinas PROPERTY LOCATION: 117 Allwood Dr. (Christian Light Rd.)
 SUBDIVISION Mason Pointe PH 2 LOT # 5
 NEW REPAIR EXPANSION
 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 conditions: _____ Permit valid for: Five years No expiration

Authorized State Agent: [Signature] Date: 10/20/2019 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.

BUTLER CIVIL SURVEY
 ISSUED TO: KB Homes Carolinas PROPERTY LOCATION: 117 Allwood Dr. (Christian Lt. Rd.)
 SUBDIVISION Mason Pointe PH 2 LOT # 5
 Facility Type: 482 50'x70' STD New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** 25% reduction sys. (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 3
 Pump Tank Size 1000 gallons Exact length of each trench 135, 180, 45 feet Trench Spacing: 7 Feet on Center
 Trenches shall be installed on contour at a Soil Cover: 6 inches
 Maximum Trench Depth of: 18 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: NA inches below pipe
 Conditions: Pump to Pressure Manifold [specs. Attached] 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: _____

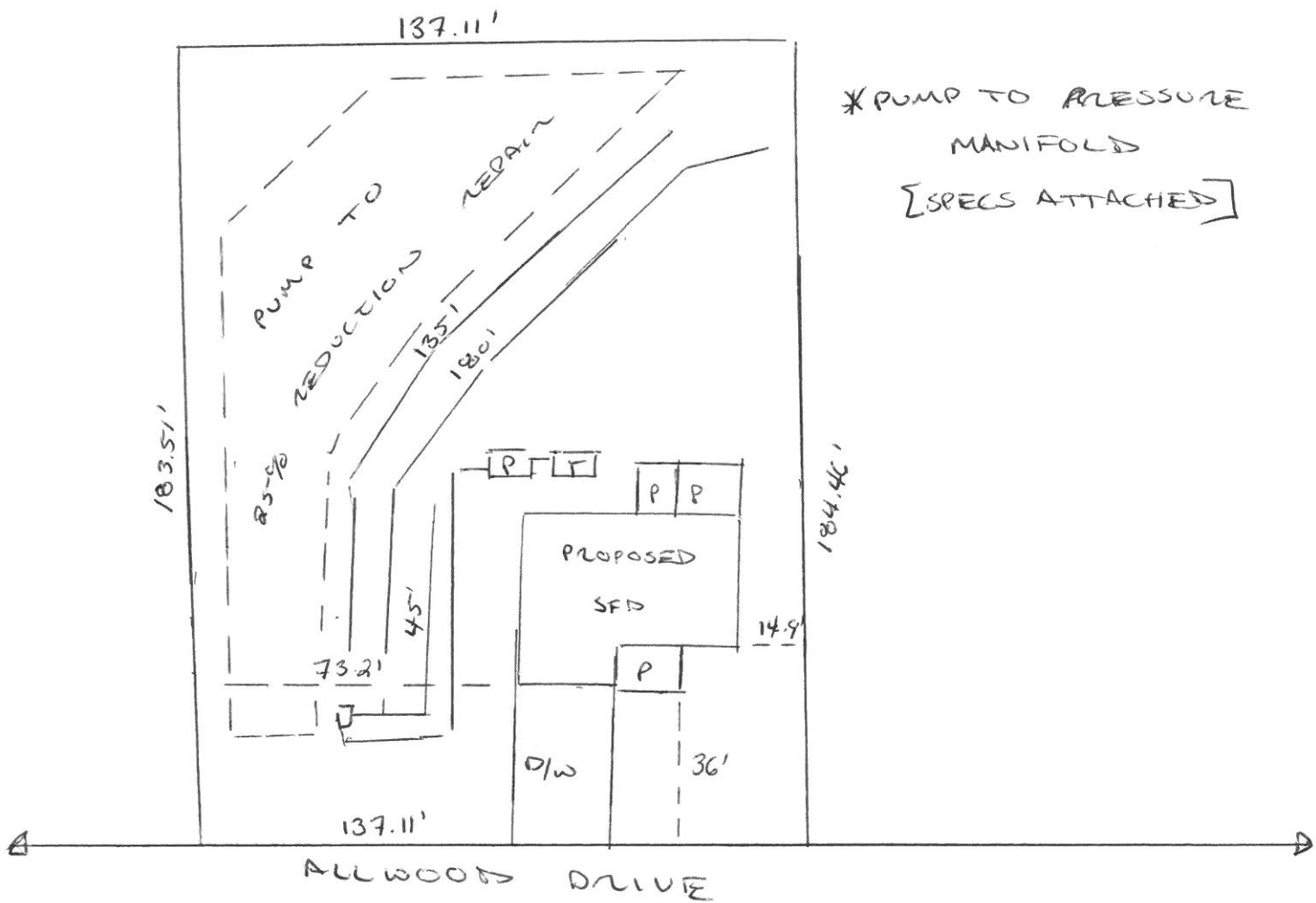
This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be transferred when there is a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. SEE ATTACHED SITE SKETCH

Authorized State Agent: [Signature] Date: 10/20/2019
ANDREW CURRIN Construction Authorization Expiration Date: 10/20/2024

Application # SFRS1910-0026

Harnett County Department of Public Health Site Sketch

Property Location: 117 Allwood Dr. (Christina Lt. rd - or 1412)
Issued To: KB Home Carolina Subdivision Mason Pointe PH 2 Lot # 5
Bateman Civil surge
Authorized State Agent: [Signature] Date: 10/28/2019
ANDREW CURRY



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

Mason Point Lot 5

Bench Mark	is = 100.00		Location of BM EIP				Elevation Head		5.40
Pump tank elev.	100.00		Pump elev.		94.60		Manifold elev.		96.30
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
5	Red	4.70	95.30	140	1in SCH 80	16.8	189.83	420	0.4520
6	Orange	5.20	94.80	180	1in SCH 40	20.2	228.25	540	0.4227
7	Purple	5.80	94.20	45	1/2in SCH 80	5.48	61.92	135	0.4587

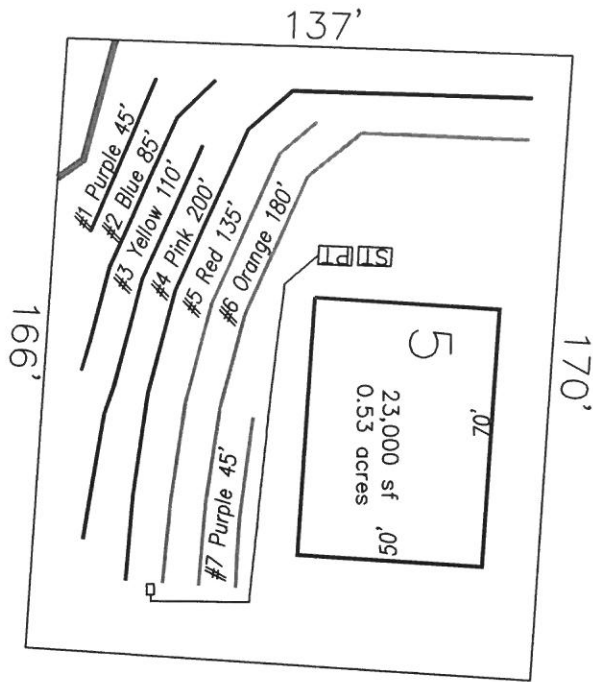
total	feet =	365	gal/min =	42.48	LTAR =	0.3500
					LTAR + %5	0.3675
			Des. Flow	480	(Itar W/ INOV)	0.4667
			Pump Run=	11.30	(Itar W/ INOV + 5%)	0.4900
			Tank Gal/IN	19.65		

Mason Point Lot 5

Repair

Bench Mark	is = 100.00		Location of BM EIP				Elevation Head		3.4
Pump tank elev.	100		Pump elev.		95		Manifold elev.		98.4
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Purple	2.60	97.40	45	1/2in SCH 80	5.48	61.33	135	0.4543
2	Blue	3.20	96.80	85	1/2in SCH 40	7.11	79.57	255	0.3120
3	Yellow	3.70	96.30	110	3/4in SCH 80	10.1	113.03	330	0.3425
4	Pink	4.20	95.80	200	1in SCH 40	20.2	226.07	600	0.3768

total	feet =	440	gal/min =	42.89	LTAR =	0.35
					LTAR + %5	0.3675
			Des. Flow	480	(Itar W/ INOV)	0.4667
			Pump Run=	11.19	(Itar W/ INOV + 5%)	0.4900
			Tank Gal/IN	19.65		



- *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: - - - - -
Repair: ————

System: Pressure Manifold Lines: 5-7, (360') Accepted Status System 0.35 Soil LTAR 18" Trench Bottom
Repair: Pressure Manifold Lines: 1-4, (440') Accepted Status System 0.35 Soil LTAR 18" Trench Bottom



Central Carolina Soil Consulting, PLLC
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4-Bedroom Septic Layout
 Lot 5, Masons Pointe Subdivision
 Harnett County, North Carolina

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