

Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

SN 1412

ISSUED TO: Bateman Civil Survey
KB Homes Carolinas

PROPERTY LOCATION: 98 Allwood Dr. (Christina Lt. Rd.)
 SUBDIVISION Mason Pointe PH 2 LOT # 9

NEW REPAIR EXPANSION

Type of Structure: 4-Bedroom 50'x70' 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 conditions: _____ Permit valid for: Five years No expiration

Authorized State Agent: [Signature] Date: 11/15/2019 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: Bateman Civil Survey
KB Homes Carolinas

PROPERTY LOCATION: 98 Allwood Dr. (Christina Lt. Rd.)
 SUBDIVISION Mason Pointe PH 2 LOT # 9

Facility Type: 4BR 50'x70' SFD New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** Pump to 25% reduction system (Initial) Wastewater Flow: 480 GPD
 (See note below, if applicable Pump to 50% press sys (SPUR) (repair))

Installation Requirements/Conditions

Septic Tank Size 1000 gallons
 Pump Tank Size 1000 gallons

Number of trenches 3
 Exact length of each trench 115, 120, 120 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; Proposal by Central Carolina Soil Consulting

**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

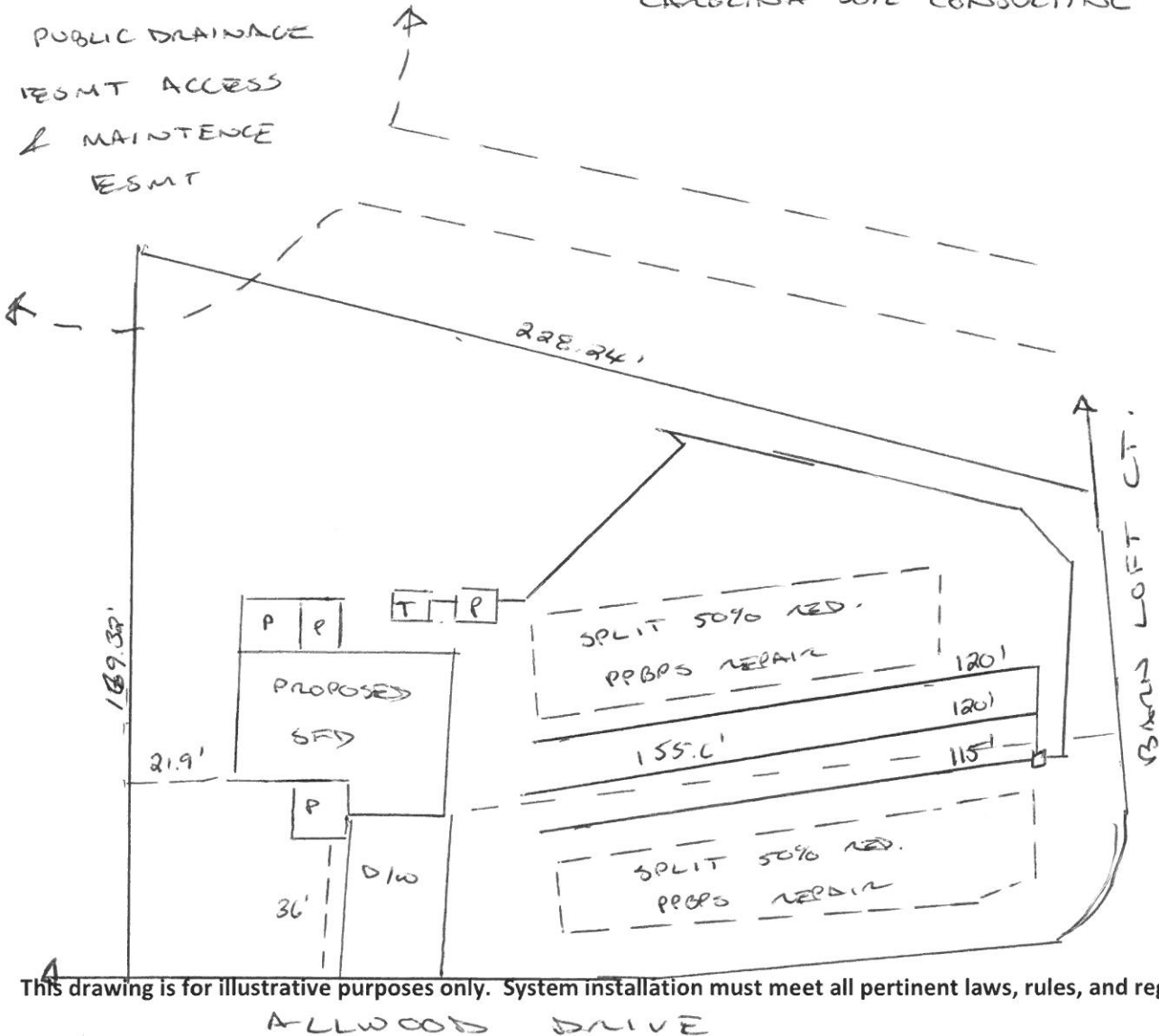
Authorized State Agent: [Signature] Date: 11/15/2019
ANDREW CURRAN Construction Authorization Expiration Date: 11/15/2024

Application # SR1910-0024

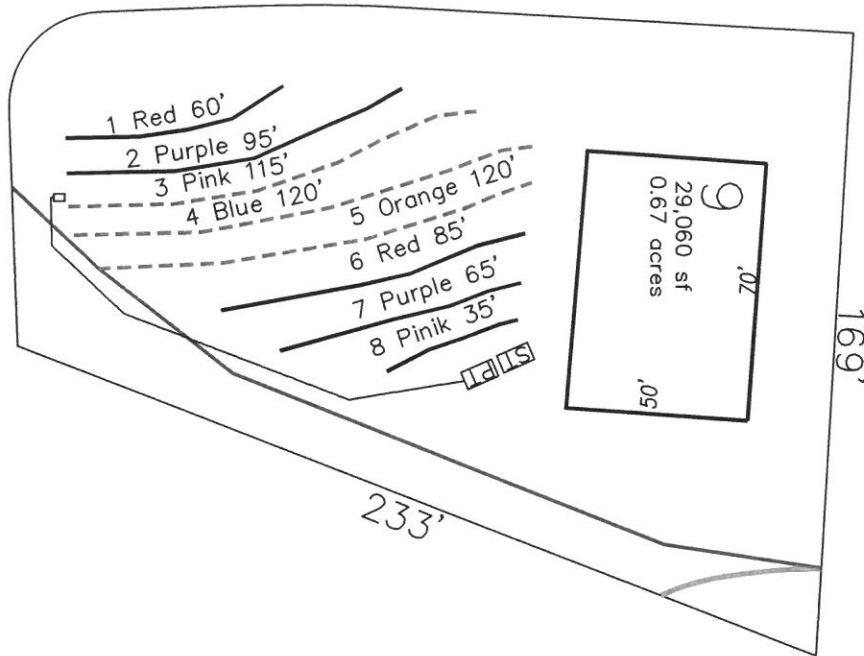
Harnett County Department of Public Health Site Sketch

Property Location: 98 Allwood Dr. (Christian Light Rd. - SW 1412)
Issued To: KB Homes Carolinas Subdivision Mason Pointe PH 2 Lot # 9
Bateman Civil Survey
Authorized State Agent: [Signature] Date: 11/15/2019
ANDREW CURRIE

- * PUMP TO PRESSURE MANIFOLD
[SPECS ATTACHED]
- * PROPOSAL BY CENTRAL
CAROLINA SOIL CONSULTING



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



System: - - - - -
 Repair: ————

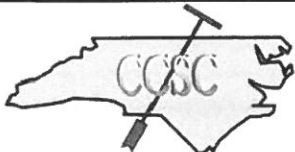
- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.

GRAPHIC SCALE
 1" = 50'



System: Pressure Manifold
 Lines: 3-5, (355')
 Accepted Status System
 0.35 Soil LTAR
 24" Trench Bottom

Repair: Pressure Manifold
 Lines: 1,2,6-8, (335')
 Accepted Status System
 0.35 Soil LTAR
 T&J Panel 50% Reduction



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 9, Masons Pointe Subdivision
 Harnett County, North Carolina

Job# : 2031
Drawn By : AH
Date : 11/12/2019
Revision:

**Masons Pointe S/D, Lot 9
TAP CHART**

Bench Mark		is = 100.00 Location of BM		Elevation Head				4.50			
Pump tank elev.		100.00		Pump elev.		94.60		Manifold elev.		99.10	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE	LTAR	
3	Pink	1.90	98.10	115	3/4in SCH 80	10.1	160.00	345		0.4638	
4	Blue	2.20	97.80	120	3/4in SCH 80	10.1	160.00	360		0.4444	
5	Orange	2.60	97.40	120	3/4in SCH 80	10.1	160.00	360		0.4444	

	total	feet =	355	gal/min =	30.3	LTAR =	0.3500
						LTAR + %5	0.3675
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.4667
Dose Volume	173.06	Pump Run=	15.84			(ltar W/ INOV + 5%)	0.4900
Dose Pump Time	5.71	Tank Gal/IN	19.65				
Drawdown in Inches	8.81						

**Masons Pointe S/D, Lot 9
Repair TAP CHART**

Bench Mark		is = 100.00 Location of BM		Elevation Head				5.30			
Pump tank elev.		100.00		Pump elev.		94.60		Manifold elev.		99.90	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE	LTAR	
1	Red	1.10	98.90	60	1/2in SCH 40	7.11	85.53	180		0.4752	
2	Purple	1.30	98.70	95	3/4in SCH 80	10.1	121.50	285		0.4263	
6	Red	3.10	96.90	85	3/4in SCH 80	10.1	121.50	255		0.4765	
7	Purple	3.50	96.50	60	1/2in SCH 40	7.11	85.53	180		0.4752	
8	Pink	4.10	95.90	35	1/2in SCH 80	5.48	65.92	105		0.6279	

	total	feet =	335	gal/min =	39.9	LTAR =	0.3500
						LTAR + %5	0.3675
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.7000
Dose Volume	163.31	Pump Run=	12.03			(ltar W/ INOV + 5%)	0.7350
Dose Pump Time	4.09	Tank Gal/IN	19.65				
Drawdown in Inches	8.31						