

Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

SN 1412

ISSUED TO: Bulman Civil Serv
KB Homes Carolinas

PROPERTY LOCATION: 78 Barn Loft Ct. (Christian Ct. Rd.)
SUBDIVISION: Mason Pointe PH 2 LOT # 17

NEW REPAIR EXPANSION

Type of Structure: 4-Bedroom 50'x70' SFD
Proposed Wastewater System Type: Pump to 25% red 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: 10/31/2019 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.

SN 1412

ISSUED TO: Bulman Civil Serv
KB Homes Carolinas

PROPERTY LOCATION: 78 Barn Loft Ct. (Christian Ct. Rd.)
SUBDIVISION: Mason Pointe PH 2 LOT # 17

Facility Type: 4BR 50'x70' SFD New Expansion Repair

Basement? Yes No Basement Fixtures? Yes No

Type of Wastewater System** Pump to 25% reduction sys. (Initial) Wastewater Flow: 480 GPD
(See note below, if applicable)

Pump to 25% red. sys. (Repair)

Installation Requirements/Conditions	Number of trenches <u>4</u>	
Septic Tank Size <u>1000</u> gallons	Exact length of each trench <u>75</u> feet	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>24</u> inches (Trench bottoms shall be level to +/-1/4" in all directions)	Soil Cover: <u>17</u> inches (Maximum soil cover shall not exceed 36" above the trench bottom)
Pump Requirements: _____ ft. TDH vs. _____ GPM		Aggregate Depth: <u>NA</u> inches below pipe <u>NA</u> inches above pipe <u>NA</u> inches total

Conditions: _____

**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

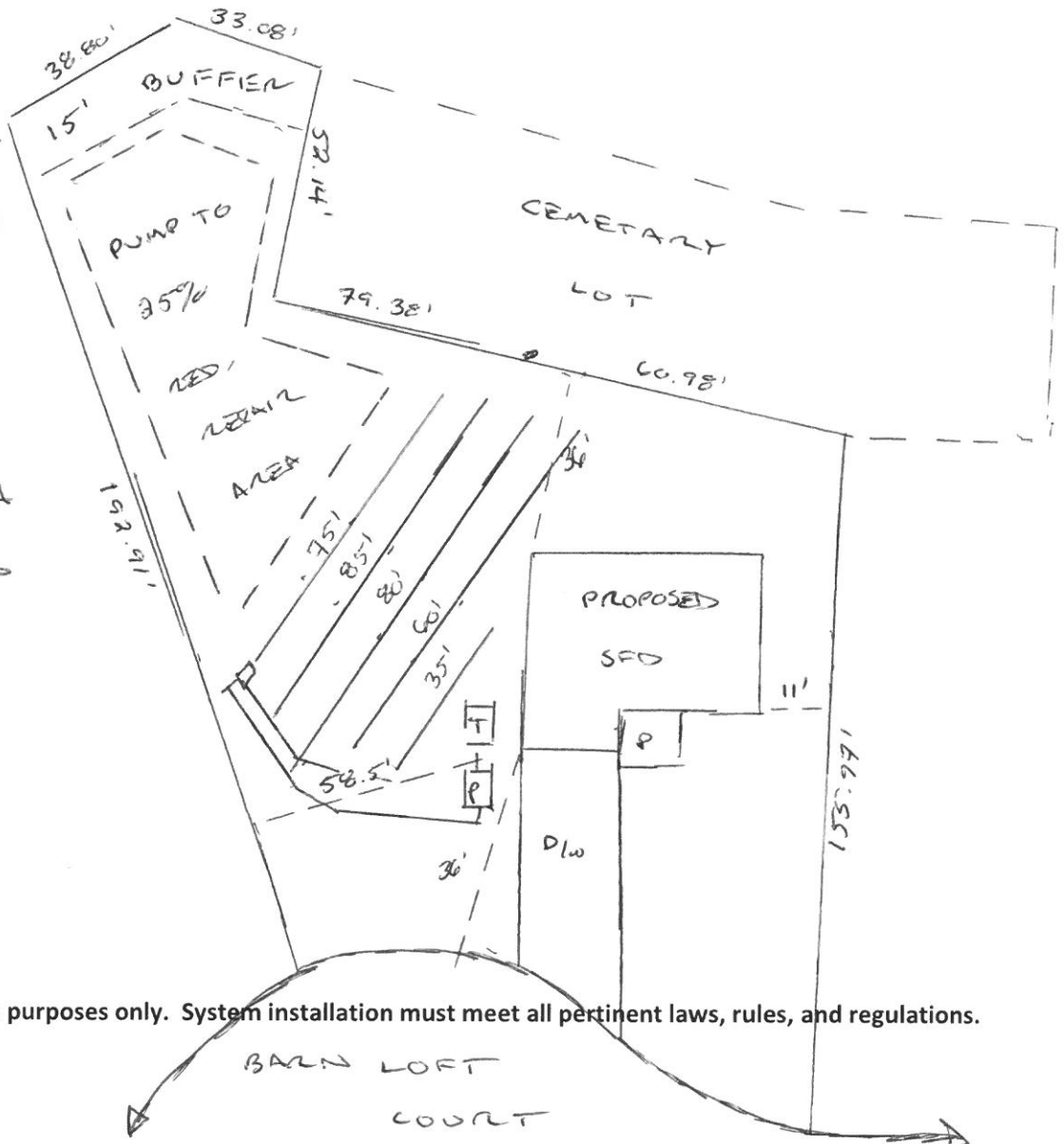
Authorized State Agent: [Signature] Date: 10/31/2019
ANDREW CURRY Construction Authorization Expiration Date: 10/31/2024

Application # SF-1910-0009

Harnett County Department of Public Health Site Sketch

Property Location: 78 Barn Loft Ct. (Christian Light rd. - 521412)
Issued To: KB Homes Carolina Subdivision Mason Pointe PHA 2 Lot # 17
Bulmer Civil Survey Co.
Authorized State Agent: *Andrew Curran* Date: 10/31/2019
ANDREW CURRAN

- * PUMP TO PRESSURE MANIFOLD [SPECS ATTACHED]
- FOUR (4) 75FT LINES
- * PROPOSAL BY CENTRAL CAROLINA SOIL CONSULTING



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

Mason Point Lot 17

Bench Mark		is = 100.00 Location of BM EIP		Elevation Head				5.80	
Pump tank elev.		4.9	95.10	Pump elev.	89.70	Manifold elev.		96.50	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
8	Purple	4.50	95.50	75	1/2in SCH 40	7.11	120.00	225	0.5333
9	Pink	4.50	95.50	75	1/2in SCH 40	7.11	120.00	225	0.5333
10	Blue	4.60	95.40	75	1/2in SCH 40	7.11	120.00	225	0.5333
11	Yellow	4.70	95.30	75	1/2in SCH 40	7.11	120.00	225	0.5333

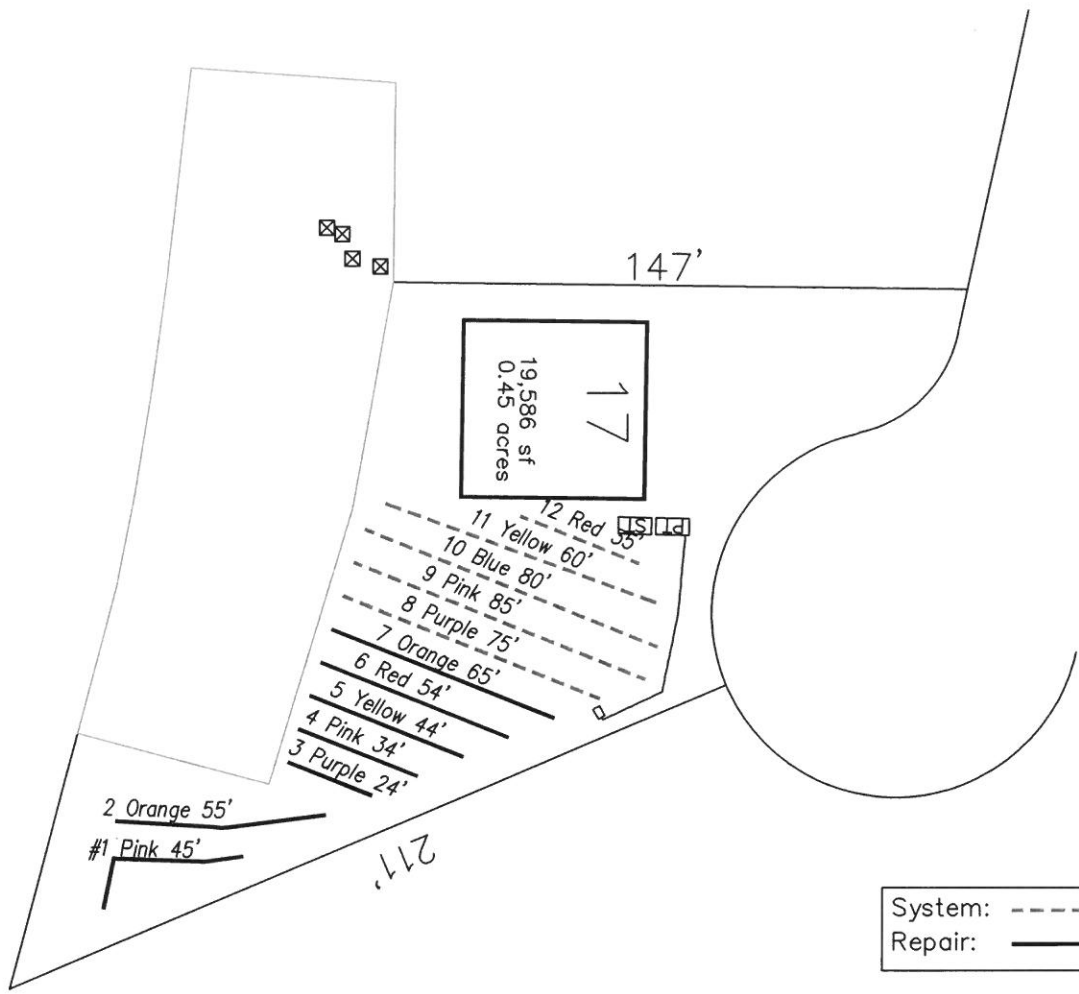
total	feet =	300	gal/min =	28.44	LTAR =	0.4000
					LTAR + %5	0.4200
			Des. Flow	480	(ltar W/ INOV)	0.5333
			Pump Run=	16.88	(ltar W/ INOV + 5%	0.5600
			Tank Gal/IN	19.65		

Mason Point Lot 17

Repair

Bench Mark		is = 100.00 Location of BM EIP		Elevation Head				6.5	
Pump tank elev.		4.9	95.1	Pump elev.	90.1	Manifold elev.		96.6	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Pink	4.40	95.60	45	1/2in SCH 80	5.48	66.91	135	0.4957
2	Orange	4.40	95.60	55	1/2in SCH 40	7.11	86.82	165	0.5262
3,4,5	urple,Pink,\)	4.40	95.60	102	3/4in SCH 40	12.5	152.63	306	0.4988
6	Red	4.40	95.60	54	1/2in SCH 40	7.11	86.82	162	0.5359
7	Orange	4.50	95.50	65	1/2in SCH 40	7.11	86.82	195	0.4452

total	feet =	321	gal/min =	39.31	LTAR =	0.4
					LTAR + %5	0.42
			Des. Flow	480	(ltar W/ INOV)	0.5333
			Pump Run=	12.21	(ltar W/ INOV + 5%	0.5600
			Tank Gal/IN	19.65		



System: - - - - -
 Repair: —————

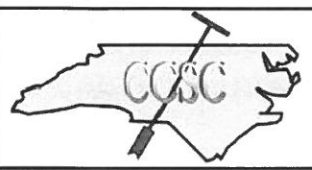
- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.

GRAPHIC SCALE
 1" = 50'



System: Pressure Manifold
 Lines: 8–12, (335')
 Accepted Status System
 0.4 Soil LTAR
 24" Trench Bottom

Repair: Pressure Manifold
 Lines: 1–7, (321')
 Accepted Status System
 0.4 Soil LTAR
 24" 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 17, Masons Pointe Subdivision
 Harnett County, North Carolina

Job# : 2031
Drawn By : AH
Date : 05/24/2019
Revision: 10/28/2019