

## Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: Bateman Civil Survey Co. PROPERTY LOCATION: Old Barn Way (Christian Light Rd. - SR 1412)  
 SUBDIVISION Mason Pointe LOT # 40

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

Type of Structure: 50X70 4BR Slab

Proposed Wastewater System Type: 25% Reduction SysPump to 25% Re

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: 03/08/2019 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 Co. PROPERTY LOCATION: Old Barn Way (Christian Light Rd. - SR 1412)  
 SUBDIVISION Mason Pointe LOT # 40

Facility Type: 50X70 4BR Slab  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% Reduction System (Repair)

Installation Requirements/Conditions

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>6</u>	Exact length of each trench <u>60</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	Soil Cover: <u>12</u> inches
	(Trench bottoms shall be level to +/-1/4" in all directions)	(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, PLLC

**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: 03/08/2019  
ANDREW CURRAN Construction Authorization Expiration Date: 03/08/2024

HTE# SFD1902-0038

Permit # NA

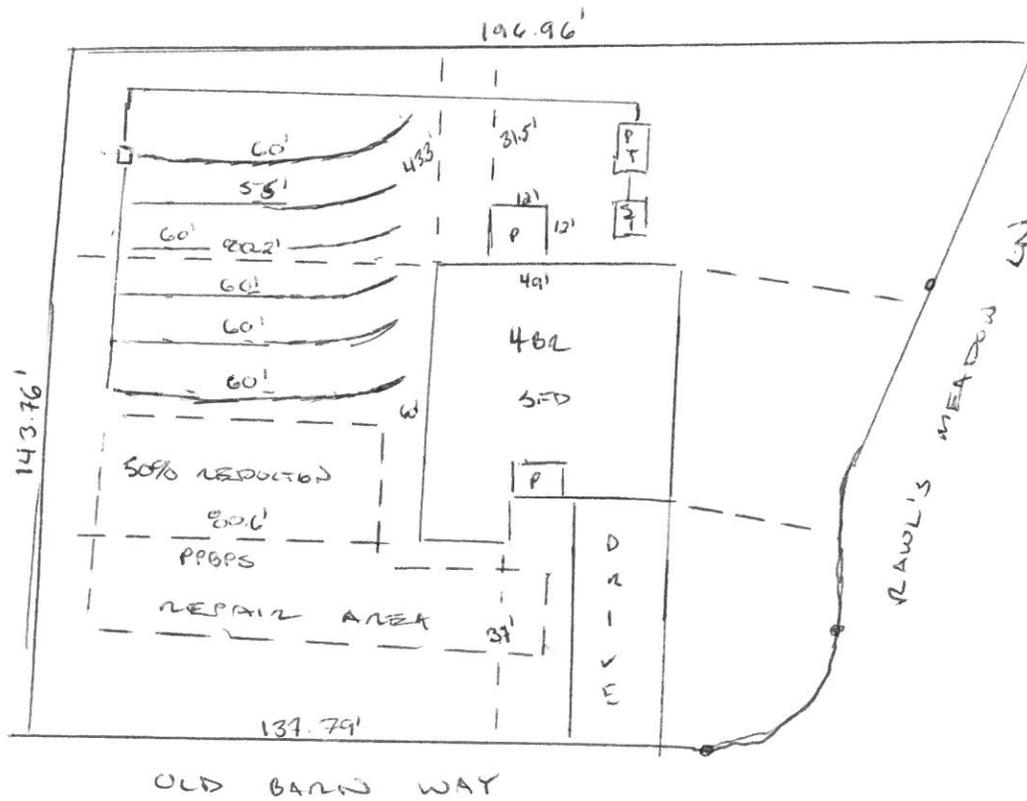
# Harnett County Department of Public Health Site Sketch

SC 14132

ISSUED TO: Bateman Civil Survey Co. PROPERTY LOCATION: old Barn Way (Christian Lt. Rd.)  
SUBDIVISION Mason Pointe LOT # 40

Authorized State Agent: *Andrew Curran* Date: 03/02/2019  
ANDREW CURRAN

- \* SEPTIC PROPOSAL BY CENTRAL CAROLINA SOIL CONSULTING, PLLC
- \* PUMP TO PRESSURE MANIFOLD
- SPEC INFO ATTACHED



**Mason Pointe, Lot 40  
TAP CHART**

<b>Bench Mark</b>	is = 100.00		Location of BM		<b>Elevation Head</b>				2.10	
<b>Pump tank elev.</b>	100.00		<b>Pump elev.</b>	94.60		<b>Manifold elev.</b>				96.70
<b>line</b>	<b>color</b>	<b>rod read</b>	<b>Elevation</b>	<b>length</b>	<b>hole size</b>	<b>flow/tap</b>	<b>gal/day</b>	<b>trench area</b>	<b>LINE LTAR</b>	
1	Orange	4.30	95.70	60	1/2in SCH 80	5.48	80.00	180	0.4444	
2	Purple	4.50	95.50	55	1/2in SCH 80	5.48	80.00	165	0.4848	
3	Pink	4.70	95.30	60	1/2in SCH 80	5.48	80.00	180	0.4444	
4	Blue	4.80	95.20	60	1/2in SCH 80	5.48	80.00	180	0.4444	
5	Red	4.80	95.20	60	1/2in SCH 80	5.48	80.00	180	0.4444	
6	Purple	5.30	94.70	60	1/2in SCH 80	5.48	80.00	180	0.4444	
		<b>total</b>	<b>feet =</b>	<b>355</b>	<b>gal/min =</b>	<b>32.88</b>	<b>LTAR =</b>		<b>0.3500</b>	
							<b>LTAR + %5</b>		<b>0.3675</b>	
<b>% of Dose Vol.</b>	75	<b>Des. Flow</b>		<b>480</b>			<b>(ltar W/ INOV)</b>		0.4667	
<b>Dose Volume</b>	173.06	<b>Pump Run=</b>		14.60			<b>(ltar W/ INOV + 5%)</b>		0.4900	
<b>Dose Pump Time</b>	5.26	<b>Tank Gal/IN</b>		19.65						
<b>Drawdown in Inches</b>	8.81									

**Mason Pointe, Lot 40  
Repair TAP CHART**

<b>Bench Mark</b>	is = 100.00		Location of BM		<b>Elevation Head</b>				0.90	
<b>Pump tank elev.</b>	100.00		<b>Pump elev.</b>	94.60		<b>Manifold elev.</b>				95.50
<b>line</b>	<b>color</b>	<b>rod read</b>	<b>Elevation</b>	<b>length</b>	<b>hole size</b>	<b>flow/tap</b>	<b>gal/day</b>	<b>trench area</b>	<b>LINE LTAR</b>	
7	Orange	5.50	94.50	60	1/2in SCH 40	7.11	127.72	180	0.7096	
8	Blue	5.60	94.40	60	1/2in SCH 40	7.11	127.72	180	0.7096	
9	Red	5.80	94.20	120	3/4in SCH 40	12.5	224.55	360	0.6238	
		<b>total</b>	<b>feet =</b>	<b>240</b>	<b>gal/min =</b>	<b>26.72</b>	<b>LTAR =</b>		<b>0.3500</b>	
							<b>LTAR + %5</b>		<b>0.3675</b>	
<b>% of Dose Vol.</b>	80	<b>Des. Flow</b>		<b>480</b>			<b>(ltar W/ INOV)</b>		0.7000	
<b>Dose Volume</b>	124.80	<b>Pump Run=</b>		17.96			<b>(ltar W/ INOV + 5%)</b>		0.7350	
<b>Dose Pump Time</b>	4.67	<b>Tank Gal/IN</b>		19.65						
<b>Drawdown in Inches</b>	6.35									