

## 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: Piney Field Rd. (Christian Light Rd. - SR 1412)  
 SUBDIVISION Mason Pointe LOT # 35

NEW  REPAIR  EXPANSION  Site Improvements required prior to Construction Authorization Issuance: \_\_\_\_\_  
 Type of Structure: 50X70 4BR Slab

Proposed Wastewater System Type: Pump to 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  
 Permit conditions: \_\_\_\_\_  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: Piney Field Rd. (Christian Light Rd. - SR 1412)  
 SUBDIVISION Mason Pointe LOT # 35

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 25% Reduction System (Repair)

Installation Requirements/Conditions

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>4</u>	Exact length of each trench <u>95, 100, 105, 110</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# SFD1902-0035

Permit # NA

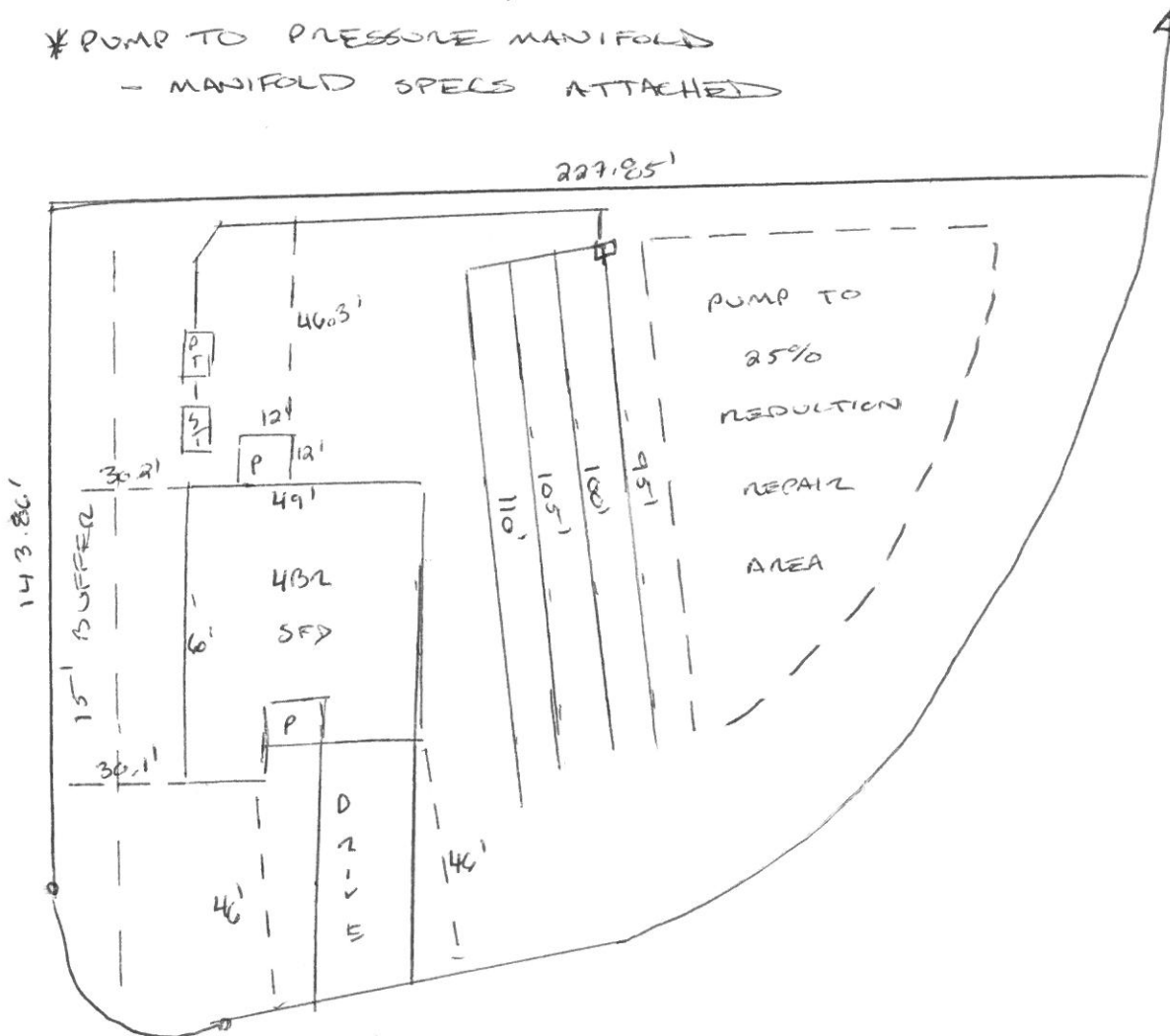
# Harnett County Department of Public Health Site Sketch

S/L 1412

ISSUED TO: Bartemans Civil Survey Co. PROPERTY LOCATOR: Piney Field rd. (Christen Ct. Rd.)  
SUBDIVISION: Mason LOT # 35

Authorized State Agent: Andrew Wain Date: 03/08/2019

- \* SEPTIC PROPOSAL BY CENTRAL CAROLINA SOIL CONSULTING, LLC
- \* PUMP TO PRESSURE MANIFOLD - MANIFOLD SPECS ATTACHED



**Mason's Pointe, Lot 35  
TAP CHART**

Bench Mark		is = 100.00 Location of BM				Elevation Head			2.00
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.			96.60	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
7	Red	4.40	95.60	95	1/2in SCH 40	7.11	91.23	285	0.3201
8	Pink	4.60	95.40	100	3/4in SCH 80	10.1	129.59	300	0.4320
9	Orange	4.80	95.20	105	3/4in SCH 80	10.1	129.59	315	0.4114
10	Purple	5.00	95.00	110	3/4in SCH 80	10.1	129.59	330	0.3927

	<b>total</b>	<b>feet =</b>	<b>410</b>	<b>gal/min =</b>	<b>37.41</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>	<b>0.4667</b>
<b>Dose Volume</b>	199.88	<b>Pump Run=</b>	<b>12.83</b>			<b>(ltar W/ INOV + 5%)</b>	<b>0.4900</b>
<b>Dose Pump Time</b>	5.34	<b>Tank Gal/IN</b>	<b>19.65</b>				
<b>Drawdown in Inches</b>	10.17						

**Mason's Pointe, Lot 35  
Repair TAP CHART**

Bench Mark		is = 100.00 Location of BM				Elevation Head			2.40
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.			97.00	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Blue	4.00	96.00	50	1/2in SCH 80	5.48	69.64	150	0.4643
2	Red	4.00	96.00	55	1/2in SCH 80	5.48	69.64	165	0.4221
3	Pink	4.00	96.00	65	1/2in SCH 80	5.48	69.64	195	0.3571
4	Orange	4.20	95.80	75	1/2in SCH 40	7.11	90.36	225	0.4016
5	Purple	4.20	95.80	80	1/2in SCH 40	7.11	90.36	240	0.3765
6	Blue	4.20	95.80	90	1/2in SCH 40	7.11	90.36	270	0.3347

	<b>total</b>	<b>feet =</b>	<b>415</b>	<b>gal/min =</b>	<b>37.77</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>	<b>0.4667</b>
<b>Dose Volume</b>	202.31	<b>Pump Run=</b>	<b>12.71</b>			<b>(ltar W/ INOV + 5%)</b>	<b>0.4900</b>
<b>Dose Pump Time</b>	5.36	<b>Tank Gal/IN</b>	<b>19.65</b>				
<b>Drawdown in Inches</b>	10.30						