

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 # 30

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
 No expiration

Permit conditions: _____

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 # 30

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% PPBPS 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, 115, 50, 45</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 CURRIN Construction Authorization Expiration Date: 03/08/2024

HTE# 5-51902-0032

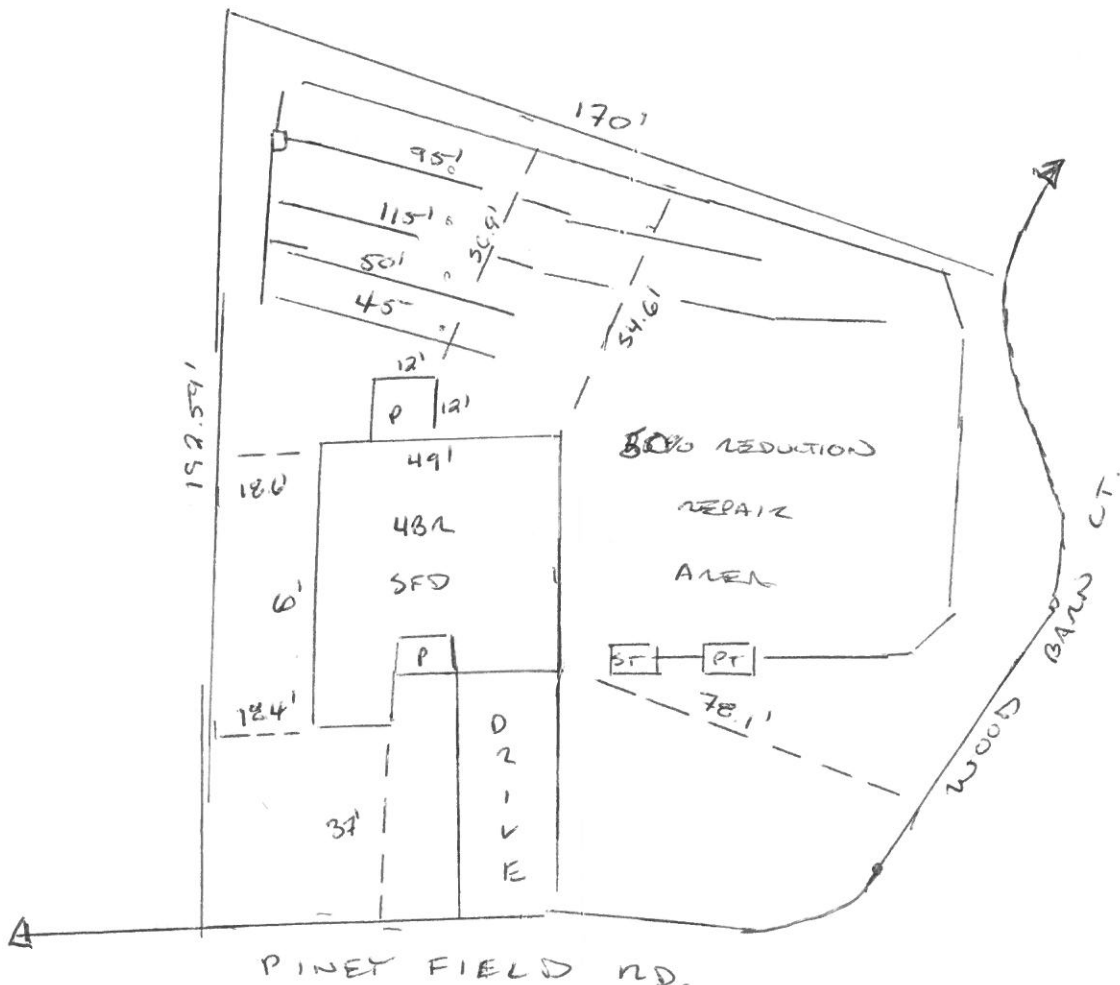
Permit # NA

Harnett County Department of Public Health Site Sketch

ISSUED TO: Bateman Civil Survey Co PROPERTY LOCATOR: Piney Field Rd. (Carsten Lt. Rd.) ³²¹⁴¹²
SUBDIVISION Mason Point LOT # 30

Authorized State Agent: *[Signature]* Date: 03/28/2019
ANDREW CURRIN

- * PROPOSAL BY CENTRAL CAROLINA SOL. CONSULTING, LLC
- * PUMP TO PRESSURE MANIFOLD
- * PRESSURE MANIFOLD SPECS INCLUDED



**Mason Pointe, Lot 30
TAP CHART**

Bench Mark		is = 100.00 Location of BM		Elevation Head		3.40			
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.		98.00		
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
6	Yellow	3.00	97.00	95	3/4in SCH 80	10.1	144.46	285	0.5069
7	Red	3.20	96.80	115	3/4in SCH 40	12.5	178.78	345	0.5182
8	Blue	3.40	96.60	50	1/2in SCH 80	5.48	78.38	150	0.5225
9	Purple	3.50	96.50	45	1/2in SCH 80	5.48	78.38	135	0.5806

	total	feet =	305	gal/min =	33.56	LTAR =	0.4000
						LTAR + %5	0.4200
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.5333
Dose Volume	148.69	Pump Run=	14.30			(ltar W/ INOV + 5%)	0.5600
Dose Pump Time	4.43	Tank Gal/IN	19.65				
Drawdown in Inches	7.57						

**Mason Pointe, Lot 30
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	Purple	4.00	96.00	45	1/2in SCH 80	5.48	90.61	135	0.6712
2	Yellow	3.80	96.20	45	1/2in SCH 80	5.48	90.61	135	0.6712
3	Red	3.90	96.10	45	1/2in SCH 80	5.48	90.61	135	0.6712
4	Blue	3.80	96.20	45	1/2in SCH 80	5.48	90.61	135	0.6712
5	Purple	3.80	96.20	65	1/2in SCH 40	7.11	117.56	195	0.6029

	total	feet =	245	gal/min =	29.03	LTAR =	0.4000
						LTAR + %5	0.4200
% of Dose Vol.	80	Des. Flow	480			(ltar W/ INOV)	0.8000
Dose Volume	127.40	Pump Run=	16.53			(ltar W/ INOV + 5%)	0.8400
Dose Pump Time	4.39	Tank Gal/IN	19.65				
Drawdown in Inches	6.48						