

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: 52 Old Barn Way (Christian Light Rd. - SR 1412)
 SUBDIVISION Mason Pointe LOT # 41

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 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: 52 Old Barn Way (Christian Light Rd. - SR 1412)
 SUBDIVISION Mason Pointe LOT # 41

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	Number of trenches <u>5</u>	
Septic Tank Size <u>1000</u> gallons	Exact length of each trench <u>65-85</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>12</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: 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 CORBIN Construction Authorization Expiration Date: 03/08/2024

HTE# SFD1962-C0391

Permit # NA

Harnett County Department of Public Health Site Sketch

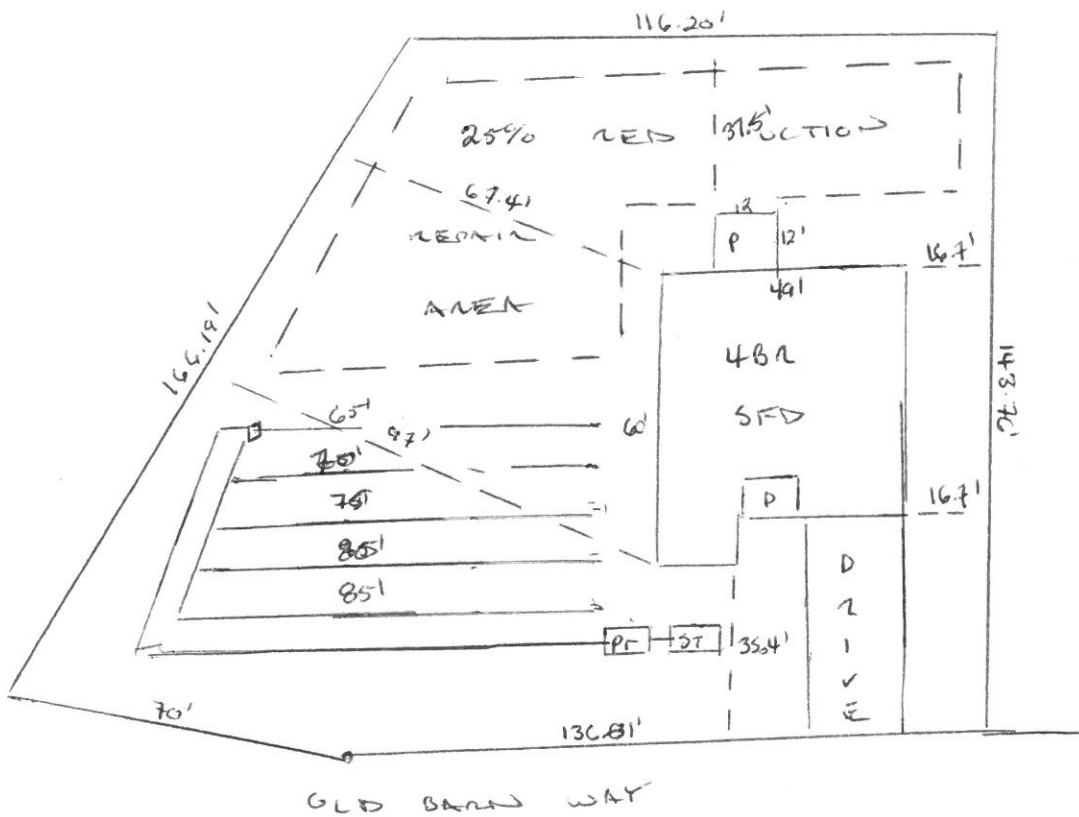
521412

PROPERTY LOCATOR: 52 Old Barn Way (Christian Light Rd.)

ISSUED TO: Bulman Civil Survey Co. SUBDIVISION Mason Pointe LOT # 41

Authorized State Agent: [Signature] Date: 03/08/2019
ANDREW CURLIN

- * SEPTIC PROPOSAL BY CENTRAL CAROLINA SOIL CONSULTING, PLLC
- * PUMP TO PRESSURE MANIFOLD
- SPECS INCLUDED



**Mason Pointe, Lot 41
TAP CHART**

Bench Mark		is = 100.00 Location of BM		Elevation Head				0.80	
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.				95.40
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
8	Purple	5.60	94.40	65	1/2in SCH 80	5.48	77.55	195	0.3977
9	Blue	5.80	94.20	70	1/2in SCH 40	7.11	100.61	210	0.4791
10	Yellow	5.90	94.10	75	1/2in SCH 40	7.11	100.61	225	0.4472
11	Red	6.20	93.80	80	1/2in SCH 40	7.11	100.61	240	0.4192
12	Pink	6.50	93.50	85	1/2in SCH 40	7.11	100.61	255	0.3946
		total	feet =	375	gal/min =	33.92	LTAR =		0.3500
						LTAR + %5		0.3675	
% of Dose Vol.	75	Des. Flow		480		(ltar W/ INOV)		0.4667	
Dose Volume	182.81	Pump Run=		14.15		(ltar W/ INOV + 5%)		0.4900	
Dose Pump Time	5.39	Tank Gal/IN		19.65					
Drawdown in Inches	9.30								

**Mason Pointe, Lot 41
Repair TAP CHART**

Bench Mark		is = 100.00 Location of BM		Elevation Head				1.50	
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.				96.10
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Pink	4.90	95.10	100	3/4in SCH 80	10.1	101.85	300	0.3395
2	Orange	5.00	95.00	100	3/4in SCH 80	10.1	101.85	300	0.3395
3	Blue	5.10	94.90	40	1/2in SCH 80	5.48	55.26	120	0.4605
4	Yellow	5.10	94.90	45	1/2in SCH 80	5.48	55.26	135	0.4093
5	Red	5.20	94.80	50	1/2in SCH 80	5.48	55.26	150	0.3684
6	Pink	5.30	94.70	55	1/2in SCH 80	5.48	55.26	165	0.3349
7	Orange	5.50	94.50	60	1/2in SCH 80	5.48	55.26	180	0.3070
		total	feet =	450	gal/min =	47.6	LTAR =		0.3500
						LTAR + %5		0.3675	
% of Dose Vol.	80	Des. Flow		480		(ltar W/ INOV)		0.4667	
Dose Volume	234.00	Pump Run=		10.08		(ltar W/ INOV + 5%)		0.4900	
Dose Pump Time	4.92	Tank Gal/IN		19.65					
Drawdown in Inches	11.91								