

Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: Bulman Civil Survey Co. PROPERTY LOCATION: 86 Hawks Meadow Ln.
 SUBDIVISION: Mason Pointe LOT # 54
 NEW REPAIR EXPANSION
 Type of Structure: 4-Bedroom 50'x40' SFD
 Proposed Wastewater System Type: 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 conditions: _____ Permit valid for: Five years No expiration

Authorized State Agent: [Signature] Date: 06/04/2019 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: Bulman Civil Survey Co. PROPERTY LOCATION: 86 Hawks Meadow Ln.
 SUBDIVISION: Mason Pointe LOT # 54
 Facility Type: 4-Bedroom 50'x40' SFD New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** 25% Reduction System (Initial) Wastewater Flow: 480 GPD
 (See note below, if applicable Pump to 25% Redo Sys. (Repair))
 Installation Requirements/Conditions
 Septic Tank Size 1000 gallons Number of trenches 4
 Pump Tank Size _____ gallons Exact length of each trench 90 feet Trench Spacing: 9 Feet on Center
 Trenches shall be installed on contour at a Soil Cover: 12 inches
 Maximum Trench Depth of: 24 inches (Maximum soil cover shall not exceed 36" above the trench bottom)
 (Trench bottoms shall be level to +/-1/4" in all directions)
 Pump Requirements: _____ ft. TDH vs. _____ GPM Aggregate Depth: NA inches below pipe
 Conditions: Proposal by Central Carolina Soil Consulting, PLLC NA inches above pipe
NA inches total

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: 06/04/2019
ANDREW CURRIN Construction Authorization Expiration Date: 06/04/2024

HTE# STD 1904-0053

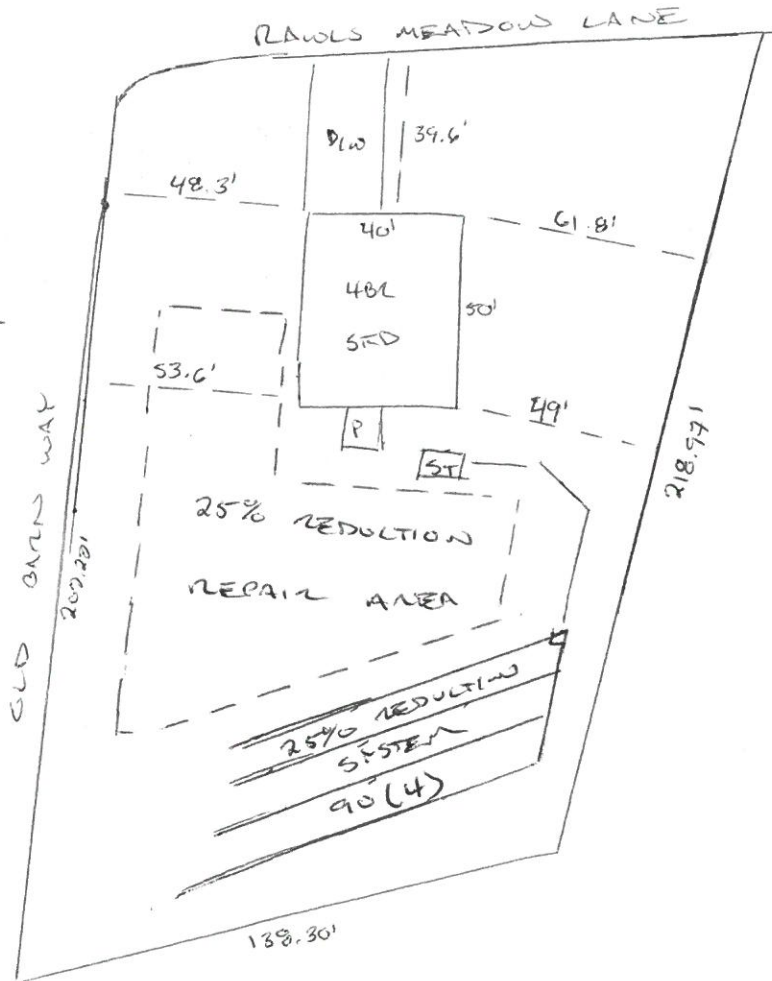
Permit # NA

Harnett County Department of Public Health Site Sketch

ISSUED TO: Baleson Civil Survey Co. PROPERTY LOCATOR: EG Rawls Meadow Ln.
SUBDIVISION Massa Pointe LOT # 54

Authorized State Agent: *Andrew Curran* Date: 06/04/2015
ANDREW CURRAN

* PROPOSAL BY CENTRAL
CAROLINA SOIL
CONSULTING, PLLC



Masons Pointe S/D Lot 54 SYSTEM TAP CHART

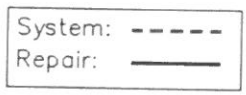
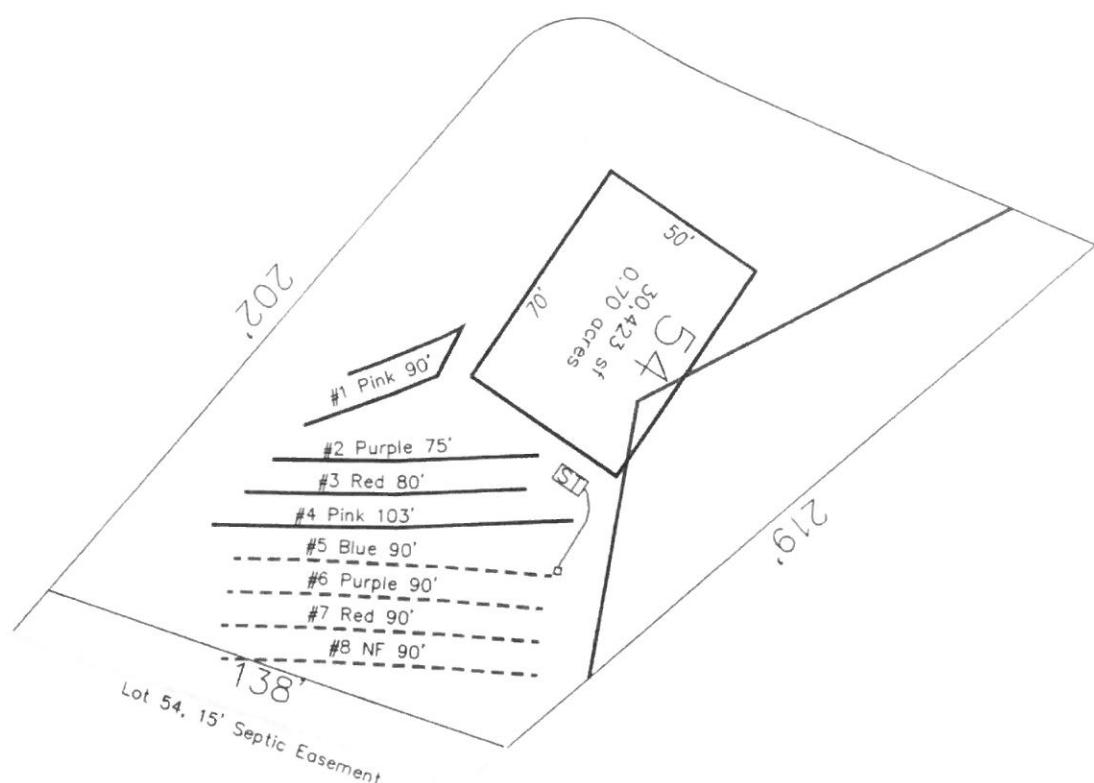
Bench Mark	is = 100.00	Location of BM				Elevation Head	-93.60	
Pump tank elev.	100.00	Pump elev.	94.60	Manifold elev.	1.00			
line	color	rod read	Elevation	length	hole size	flow/tap gal/day	trench area	LINE LTAR

	total	feet =	0	gal/min =	0	LTAR =	0.3500
						LTAR + %5	0.3675
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.4667
Dose Volume	0.00	Pump Run=	#DIV/0!			(ltar W/ INOV + 5%)	0.4900
Dose Pump Time	#DIV/0!	Tank Gal/IN	19.65				
Drawdown in Inches	0.00						

Masons Pointe S/D Lot 54 Repair TAP CHART

Bench Mark	is = 100.00	Location of BM				Elevation Head	1.20	
Pump tank elev.	100.00	Pump elev.	94.60	Manifold elev.	95.80			
line	color	rod read	Elevation	length	hole size	flow/tap gal/day	trench area	LINE LTAR
1	Pink	5.20	94.80	90	1/2in SCH 40	7.11 108.58	270	0.4022
2	Purple	5.60	94.40	75	1/2in SCH 40	7.11 108.58	225	0.4826
3	Red	6.00	94.00	80	1/2in SCH 40	7.11 108.58	240	0.4524
4	Pink	6.40	93.60	103	3/4in SCH 80	10.1 154.25	309	0.4992

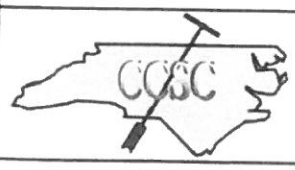
	total	feet =	348	gal/min =	31.43	LTAR =	0.3500
						LTAR + %5	0.3675
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.4667
Dose Volume	169.65	Pump Run=	15.27			(ltar W/ INOV + 5%)	0.4900
Dose Pump Time	5.40	Tank Gal/IN	19.65				
Drawdown in Inches	8.63						



- *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.

System: Gravity to Serial Dist. Lines: 5-8, (360') Accepted Status System 0.35 Soil LTAR 24" Trench Bottom
Repair: Pressure Manifold Lines: 1-4, (347') Accepted Status System 0.375 Soil LTAR 24" Trench Bottom

GRAPHIC SCALE
1" = 50'



Central Carolina Soil Consulting, PLLC
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4-Bedroom Septic Layout
Lot 54, Masons Pointe Subdivision
Harnett County, North Carolina

Job# : 2031
Drawn By : AH
Date : 04/17/2019
Revision: