

Harnett County Department of Public Health

Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: KB Homes Carolinas PROPERTY LOCATION: 36 Wood Barn Ct. (Christian Light Road - SR 1412)
 SUBDIVISION Mason Pointe LOT # 28
 NEW REPAIR EXPANSION
 Type of Structure: 4-bedroom 50'x70' SFD Site Improvements required prior to Construction Authorization Issuance:
 Proposed Wastewater System Type: 25% Reduction System
 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: 06/11/2019 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: KB Homes Carolinas PROPERTY LOCATION: 36 Wood Barn Ct. (Christian Light Road - SR 1412)
 SUBDIVISION Mason Pointe LOT # 28
 Facility Type: 4-bedroom 50'x70' SFD 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 PPBPS System (Repair)

Installation Requirements/Conditions

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>1</u>	
Pump Tank Size <u>1000</u> gallons	Exact length of each trench <u>350</u> feet	Trench Spacing: <u>9</u> Feet on Center
	Trenches shall be installed on contour at a	Soil Cover: <u>12</u> inches
	Maximum Trench Depth of: <u>24</u> inches	(Maximum soil cover shall not exceed
	(Trench bottoms shall be level to +/-1/4"	36" above the trench bottom)
	in all directions)	
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: _____

**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: 06/11/2019
ANDREW WAIN Construction Authorization Expiration Date: 06/11/2024

HTE# SFD1905-0031

Permit # NA

Harnett County Department of Public Health Site Sketch

SL 1412

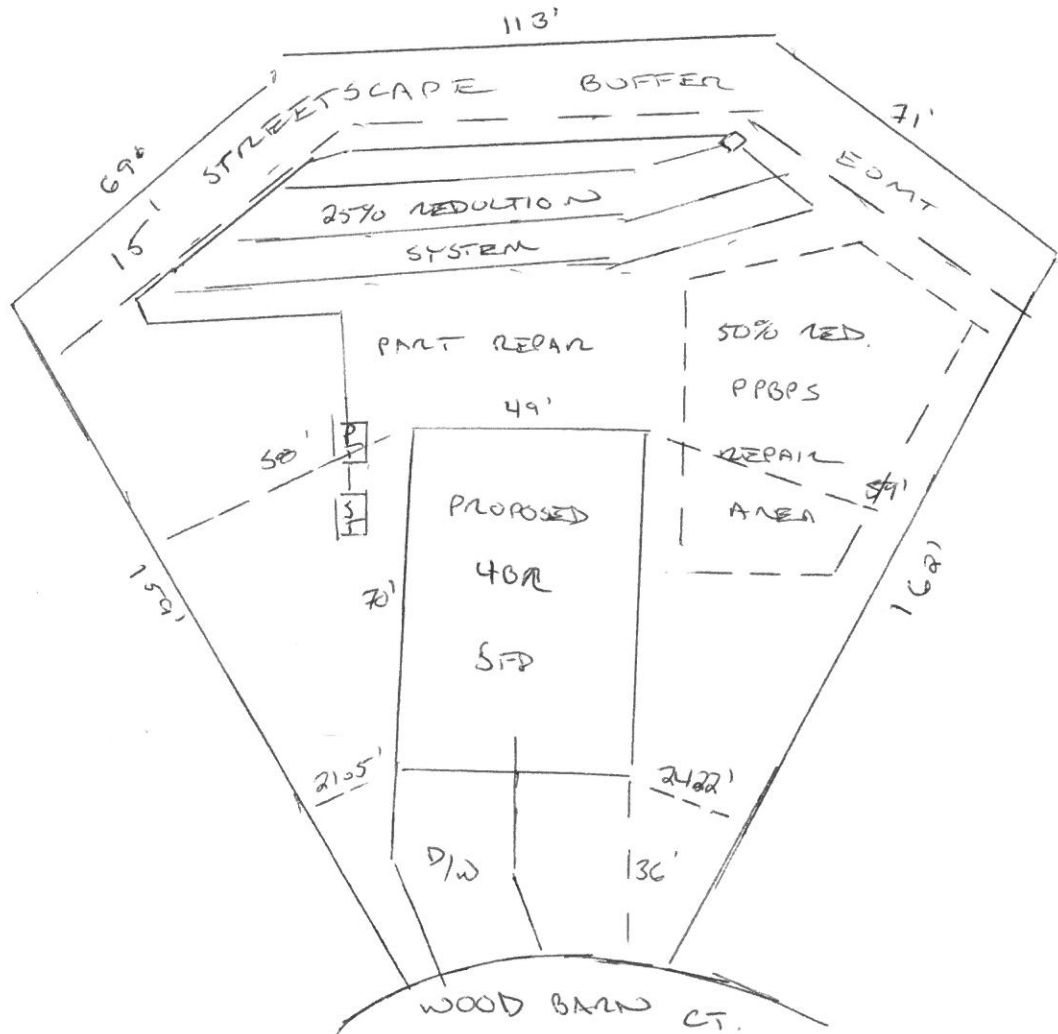
ISSUED TO: KB Home Carolinas PROPERTY LOCATOR: 36 Wood Barn Ct. (Christian Ct. Rd.)
SUBDIVISION: Mission Pointe LOT # 28

Authorized State Agent: *Andrew Curran*
ANDREW CURRAN

Date: 06/11/2019

~~*PROPOSAL CENTAL~~

*PROPOSAL BY CENTAL CAROLINA SOIL
CONSULTING, PLLC



**Masons Pointe S/D Lot 28
SYSTEM 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	100	3/4in SCH 80	10.1	138.12	300	0.4604
2	Red	4.40	95.60	120	3/4in SCH 40	12.5	170.94	360	0.4748
3	Yellow	4.80	95.20	140	3/4in SCH 40	12.5	170.94	420	0.4070

	total	feet =	360	gal/min =	35.1	LTAR =	0.3500
						LTAR + %5	0.3675
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.4667
Dose Volume	175.50	Pump Run=	13.68			(ltar W/ INOV + 5%)	0.4900
Dose Pump Time	5.00	Tank Gal/IN	19.65				
Drawdown in Inches	8.93						

**Masons Pointe S/D Lot 28
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
4	Blue	5.20	94.80	45	1/2in SCH 80	5.48	93.38	135	0.6917
5	Pink	5.60	94.40	45	1/2in SCH 80	5.48	93.38	135	0.6917
6	Yellow	6.00	94.00	70	3/4in SCH 80	10.1	172.10	210	0.8195
7	Pink	6.30	93.70	50	1/2in SCH 40	7.11	121.15	150	0.8077

	total	feet =	210	gal/min =	28.17	LTAR =	0.4000
						LTAR + %5	0.4200
% of Dose Vol.	75	Des. Flow	480			(ltar W/ INOV)	0.8000
Dose Volume	102.38	Pump Run=	17.04			(ltar W/ INOV + 5%)	0.8400
Dose Pump Time	3.63	Tank Gal/IN	19.65				
Drawdown in Inches	5.21						