

Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: KB Home Raleigh-Durham Inc. PROPERTY LOCATION: 58 White Quartz Pl. (Christian Light Rd. - SR 1412)
 SUBDIVISION Mason Pointe LOT # 51

NEW REPAIR EXPANSION Site Improvements required prior to Construction Authorization Issuance: _____

Type of Structure: 5-bedroom 50'x70' SFD

Proposed Wastewater System Type: Pump to 25% Reduction System

Projected Daily Flow: 600 GPD

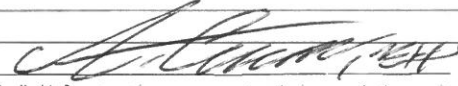
Number of bedrooms: 5 Number of Occupants: 10 max

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:  Date: 05/24/2019 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 Home Raleigh-Durham Inc. PROPERTY LOCATION: 58 White Quartz Pl. (Christian Light Rd. - SR 1412)
 SUBDIVISION Mason Pointe LOT # 51

Facility Type: 5-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: 600 GPD
 (See note below, if applicable)
Pump to 25% Reduction System (Repair)

Installation Requirements/Conditions

Septic Tank Size <u>1250</u> gallons	Number of trenches <u>3</u>	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size <u>1250</u> gallons	Exact length of each trench <u>135, 140, 145</u> feet	Soil Cover: <u>12</u> inches
	Trenches shall be installed on contour at a	(Maximum soil cover shall not exceed
	Maximum Trench Depth of: <u>24</u> inches	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
NA inches above pipe
NA 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:  Date: 05/24/2019
ANDREW CONNOR Construction Authorization Expiration Date: 05/24/2024

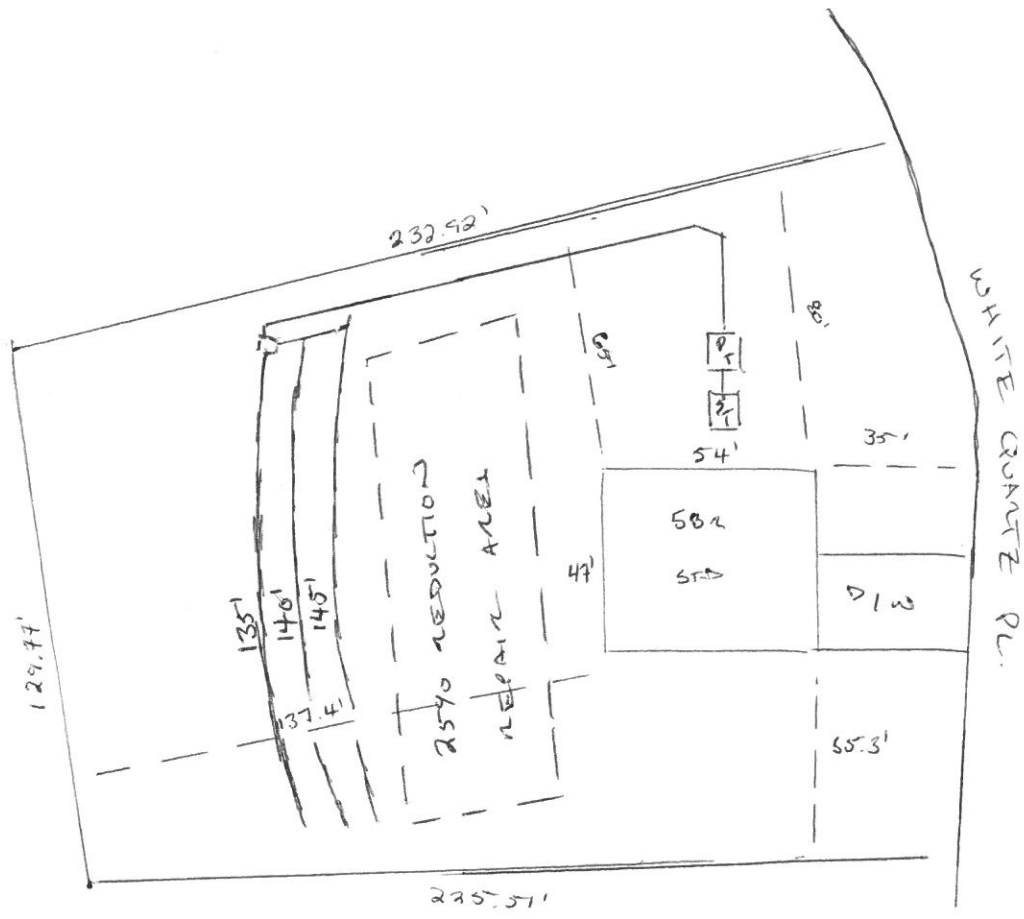
HTE# SFD1904-0052

Permit # NA

Harnett County Department of Public Health Site Sketch

ISSUED TO: Balmeron Civil Surg Co. PROPERTY LOCATOR: 58 White Quartz Pl.
SUBDIVISION Mason Pointe LOT # 51

Authorized State Agent: [Signature] Date: 05/24/2019



**Masons Pointe S/D Lot 51
SYSTEM TAP CHART**

Bench Mark	is = 100.00		Location of BM						Elevation Head	3.20
Pump tank elev.	100.00		Pump elev.		94.60				Manifold elev.	97.80
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	
1	Yellow	3.20	96.80	135	3/4in SCH 40	12.5	200.00	405	0.4938	
2	Purple	3.40	96.60	140	3/4in SCH 40	12.5	200.00	420	0.4762	
3	Orange	3.60	96.40	145	3/4in SCH 40	12.5	200.00	435	0.4598	
		total	feet =	420	gal/min =	37.5	LTAR =		0.4000	
								LTAR + %5	0.4200	
% of Dose Vol.	75	Des. Flow		600			(ltar W/ INOV)		0.5333	
Dose Volume	204.75	Pump Run=		16.00			(ltar W/ INOV + 5%)		0.5600	
Dose Pump Time	5.46	Tank Gal/IN		30.65						
Drawdown in Inches	6.68									

**Masons Pointe S/D Lot 51
Repair TAP CHART**

Bench Mark	is = 100.00		Location of BM						Elevation Head	2.50
Pump tank elev.	100.00		Pump elev.		94.60				Manifold elev.	97.10
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	
4	Blue	3.90	96.10	150	1in SCH 80	16.8	230.66	450	0.5126	
5	Pink	4.10	95.90	160	1in SCH 80	16.8	230.66	480	0.4805	
6	Red	4.40	95.60	95	3/4in SCH 80	10.1	138.67	285	0.4866	
		total	feet =	405	gal/min =	43.7	LTAR =		0.4000	
								LTAR + %5	0.4200	
% of Dose Vol.	75	Des. Flow		600			(ltar W/ INOV)		0.5333	
Dose Volume	197.44	Pump Run=		13.73			(ltar W/ INOV + 5%)		0.5600	
Dose Pump Time	4.52	Tank Gal/IN		30.65						
Drawdown in Inches	6.44									