

Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: KB Home Raleigh PROPERTY LOCATION: 346 John Stark Dr
 SUBDIVISION Birchwood Grove LOT # 18

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

Type of Structure: SFD (52'x50')

Proposed Wastewater System Type: 25% Red Sys

Projected Daily Flow: 360 GPD

Number of bedrooms: 3 Number of Occupants: 6 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 _____ feet Permit valid for: Five years No expiration

Permit conditions: _____

Authorized State Agent: *RMS* Date: 10/6/22 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 PROPERTY LOCATION: 1346 John Stark Dr
 SUBDIVISION Birchwood Grove LOT # 18

Facility Type: SFD (52'x50') New Expansion Repair

Basement? Yes No Basement Fixtures? Yes No

Type of Wastewater System** 25% Reduction System (Initial) Wastewater Flow: 360 GPD
 (See note below, if applicable)

T&J Panel (Repair)

Installation Requirements/Conditions

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>1</u>	Exact length of each trench <u>345</u> feet	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size _____ gallons	Trenches shall be installed on contour at a	Maximum Trench Depth of: <u>18</u> inches	Soil Cover: <u>6</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 _____ inches below pipe
 Aggregate Depth: _____ inches above pipe

Conditions: Permit based on proosal from applicant. System sized for a 4 house at request of applicant.

**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

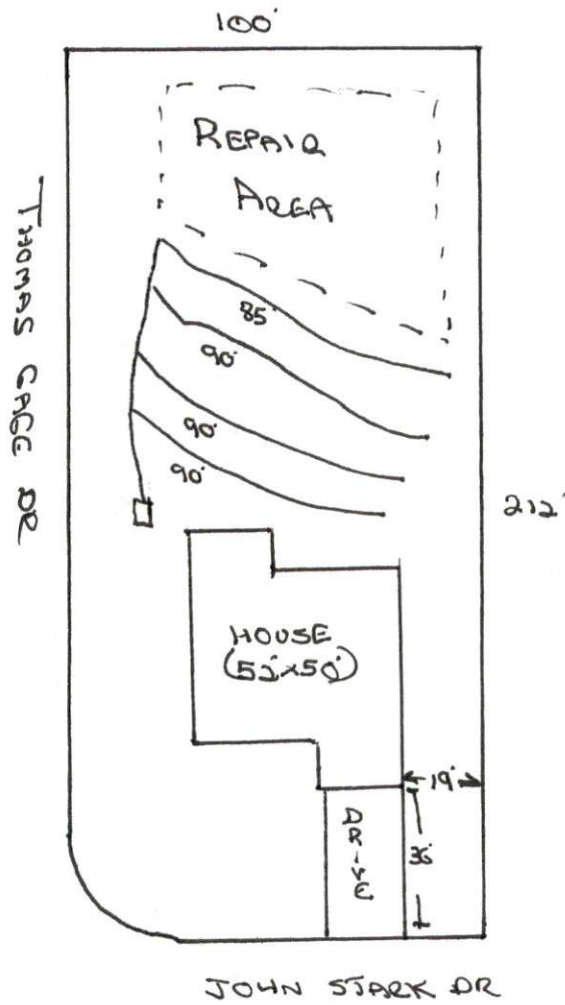
Authorized State Agent: *RMS* Date: 10/6/22
 Construction Authorization Expiration Date: 10/6/27

Harnett County Department of Public Health Site Sketch

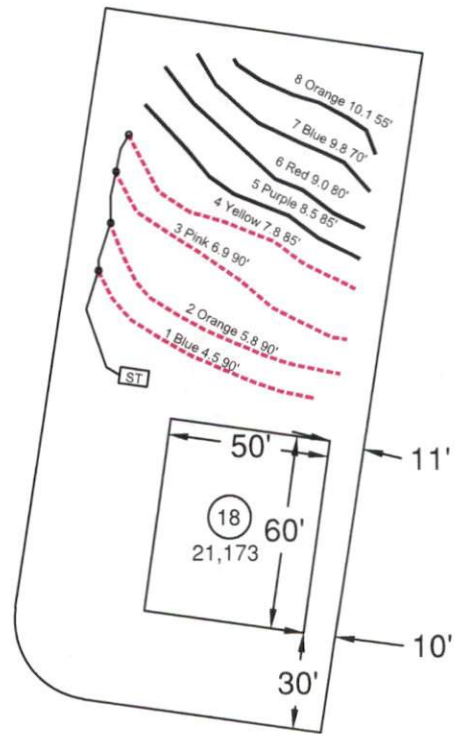
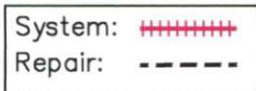
Property Location: ~~100 Thomas Cage Dr~~ 346 JOHN STARK DR

Issued To: KB Home Raleigh Subdivision Birchwood Grove Lot # 18

Authorized State Agent: ~~_____~~ REHS (OLIVER TOLFSDOFF) Date: 10/6/22

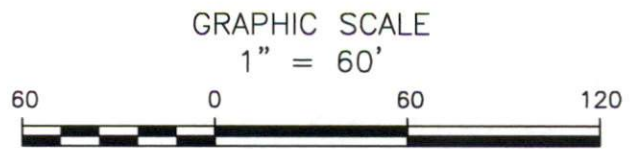


This drawing is for illustrative purposes only. System installation must meet all pertinent laws, rules, and regulations.



- *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: 1-4, (345') Accepted Status System 0.35 Soil LTAR
Repair: Pressure Manifold Lines: 5-8, (290') T&J Panel 50% Reduction 0.35 Soil LTAR



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4-Bedroom Septic Layout
 Lot 18, Birchwood Subdivision
 Harnett County, North Carolina

Job# : 3753
Drawn By : LW
Date : 8/01/2022
Revision:

**Birchwood Lot 18
T&J Panel Block Repair, TAP CHART**

Bench Mark	is = 100.00 Location of BM		Elevation Head		6.10						
Pump tank elev.	8.2	91.80	Pump elev.	86.40	Manifold elev.	92.50					
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	# of Panels	Spacing of Panels (in)
5	Purple	8.50	91.50	85	1/2in SCH 40	7.11	127.30	255	0.4992	20	4.8
6	Red	9.00	91.00	80	1/2in SCH 40	7.11	127.30	240	0.5304	18	6.9
7	Blue	9.80	90.20	70	1/2in SCH 40	7.11	127.30	210	0.6062	16	6.1
8	Orange	10.10	89.90	55	1/2in SCH 80	5.48	98.11	165	0.5946	13	4.4

total	feet =	290	gal/min =	26.81	Total Number of Panels:	67
% of Dose Vol.	0	Des. Flow	480	LTAR =	0.3500	
Dose Volume	241.20	Pump Run=	17.90	LTAR + %5	0.3675	
Dose Pump Time	9.00	Tank Gal/IN	19.65	(Itar W/ INOV)	0.7000	
Drawdown in Inches	12.27			(Itar W/ INOV + 5%)	0.7350	