


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: 394 Windy Farm Dr. (Christian Lt Rd. - SR
 SUBDIVISION Highland Grove LOT # 13
 NEW REPAIR EXPANSION Site Improvements required prior to Construction Authorization Issuance:
 Type of Structure: 50x52 sfd, 3 beds 2 baths
 Proposed Wastewater System Type: 50% Reduction 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 NA feet Permit valid for: Five years
 Permit conditions: _____ No expiration

Authorized State Agent:  Date: 05/27/2021 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: 394 Windy Farm Dr. (Christian Lt. Rd. -
 SUBDIVISION Highland Grove LOT # 13
 Facility Type: 50x52 sfd, 3 beds 2 baths New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** Pump to 50% Reduction PPBPS System (Initial) Wastewater Flow: 360 GPD
 (See note below, if applicable Pump to 50% Reduction PPBPS (Repair))
Installation Requirements/Conditions
 Septic Tank Size 1000 gallons Number of trenches 4
 Pump Tank Size 1000 gallons Exact length of each trench 150 (Total) 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
 (Trench bottoms shall be level to +/-1/4" 36" above the trench bottom)
 in all directions)
 Pump Requirements: _____ ft. TDH vs. _____ GPM Aggregate Depth: NA inches below pipe
 _____ inches above pipe
 Conditions: Proposal by Adams Soil Consulting 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:  Date: 05/27/2021
ANDREW CURRAN Construction Authorization Expiration Date: 05/27/2026

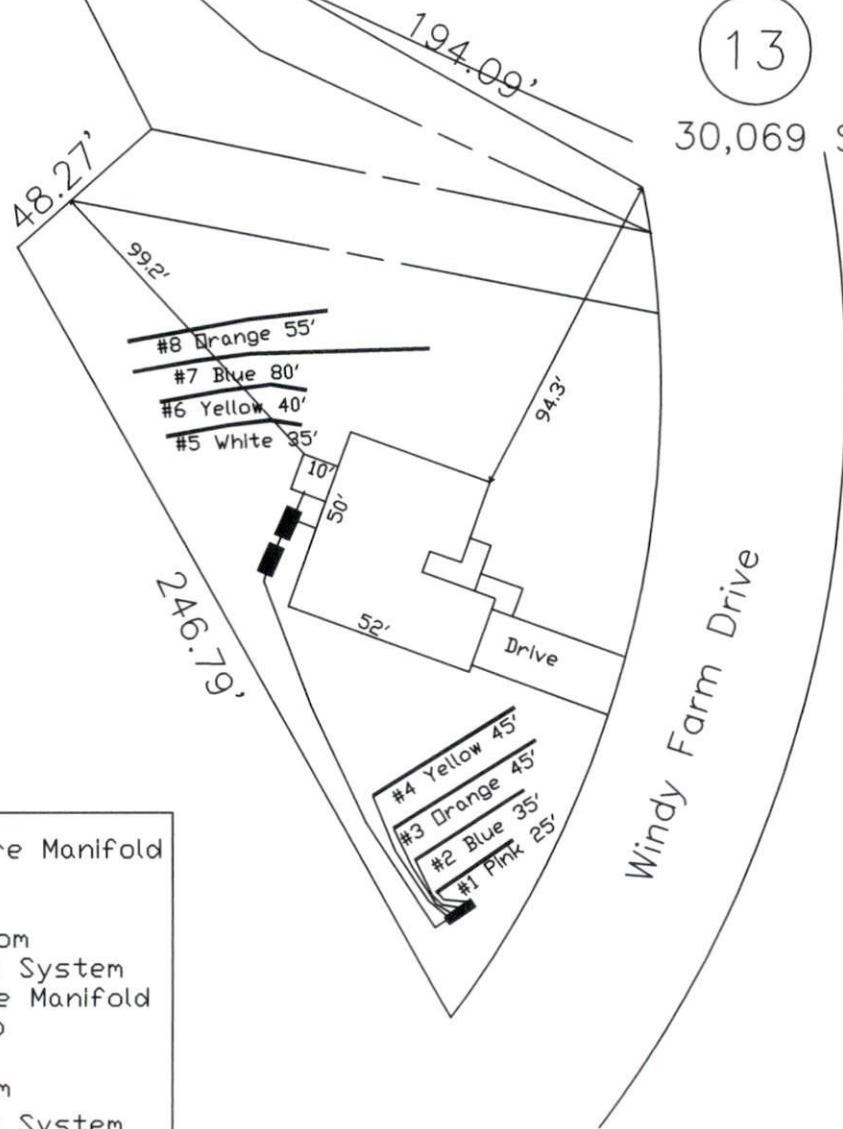
KB Homes
Lot #13 - Highland Grove
 3-Bedroom Home (360 gal./day)

<u>LINE #</u>	<u>COLOR</u>	<u>LINE LENGTH</u>	<u>Design Length</u>
TBM		<u>in field</u>	<u>installation</u>
INST. 1			
1	<i>Pink</i>	25	25
2	Blue	35	35
3	Orange	45	45
4	Yellow	45	45
5	White	35	35
6	Yellow	40	40
7	Blue	80	80
8	Orange	55	50
		<u>System</u>	<u>Repair</u>
		Lines 1-4	Lines 5-8
		T&J Panel	T&J Panel
	System Type	50% Reduction System	50% Reduction System
	Suggested Soil LTAR	0.40	0.35
	Installation LTAR		
	Total Line Length	150	205
	Square Footage	450	615
	Proposed Trench Bottom	Maximum 24"	Maximum 18"
	Septic Tank	1000 Gallon	
	Pump Tank	1000 Gallon	
	Distribution Method	Pressure Manifold	Pressure Manifold

Highland Grove 3-Bedroom Septic Proposal Lot #13

13

30,069 SQ.FT.



System: Pressure Manifold
 Lines: 1-4 (150')
 0.4 LTAR
 24" Trench Bottom
 Accepted Status System
 Repair: Pressure Manifold
 Lines: 5-8 (205')
 0.35 LTAR
 18" Trench Bottom
 Accepted Status System

GRAPHIC SCALE
 1" = 50'



Adams
 Soil Consulting
 919-414-6761
 Job #561

Highland Grove - Lot 13 System, Tap Chart

Bench Mark	0.00	is = 100.00		Location of BM					Elevation Head
Pump tank elev.	0	100.00	Pump elev.	95.00	Manifold elev.				
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	
1	Pink	4.0	96.00	25	1/2in SCH 80	5.48	60.16	75	
2	Blue	4.8	95.20	35	1/2in SCH 40	7.11	78.06	105	
3	Orange	4.8	95.20	45	3/4in SCH 80	10.1	110.89	135	
4	Yellow	5.2	94.80	45	3/4in SCH 80	10.1	110.89	135	
		total	feet =	150	gal/min =	32.79			<u>LTAR =</u>
									<u>LTAR + %5</u>
% of Dose Vol.	75		<u>Des. Flow</u>	360					(ltar W/ T&J Panel)
Dose Volume	73.13		Pump Run=	10.98					(ltar W/ INOV + 5%)
Dose Pump Time	2.23		Tank Gal/IN	21					
Drawdown in Inches	3.48								