

Permit #: SFD 2406-0057



NC DEPARTMENT OF HEALTH AND HUMAN SERVICES

ROY COOPER • Governor
KODY H. KINSLEY • Secretary
MARK BENTON • Deputy Secretary for Health
SUSAN KANSAGRA • Assistant Secretary for Public Health
Division of Public Health

Submittal Includes: [x] (a2) Improvement Permit [x] (a2) Construction Authorization [] Fee \$ _____

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)

County: Harnett
PIN/Lot Identifier: 0630-24-5501
Issued To: New Home, Inc
Property Location: 161 Beacon Hill Rd Lillington NC 27546
Subdivision (if applicable) Duncan Creek Lot #: 14 Block: Section:
LSS Report Provided: Yes [x] No []
If yes, name and license number of LSS: Alex Adams - LSS#1247
New [x] Expansion [] System Relocation [] Change of Use []
Proposed Structure: Single Family Home
Number of bedrooms: 4 Number of Occupants: 8 Other:
Design Wastewater Strength: [x] domestic [] high strength [] industrial process
Proposed Design Daily Flow: 360 GPD Proposed LTAR (Initial): .8 Proposed LTAR (Repair): .4
Proposed Wastewater System Type*: Accepted Status (Initial) Pump Required: [] Yes [x] No [] May be required
Proposed Wastewater System Type*: PPBPS (Repair) Pump Required: [x] Yes [] No [] May be required
*Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)
Saprolite System (initial): [] Yes [x] No Saprolite System (repair): [] Yes [x] No
Fill System (Initial): [] Yes [x] No If yes, specify: [] New [] Existing (when adding more than 6 inches of fill to system area provide a fill plan)
Fill System (repair): [] Yes [x] No If yes, specify: [] New [] Existing (when adding more than 6 inches of fill to system area provide a fill plan)
Usable Soil Depth (Initial): 32 Usable Soil Depth (Repair): 30
Max. Trench Depth (Initial)†: 15 Max. Trench Depth (Repair)†: 16 * Measured on the downhill side of the trench
Artificial Drainage Required: [x] Yes [] No If yes, please specify details: see site sketch for curtain drains
Type of Water Supply: [] Private well [] Public well [] Shared well [x] Municipal Supply [] Spring [] Other:
Drainfield location meets requirements of Rule .1945: Yes [x] No [] Drainfield location meets requirements of Rule .1950: Yes [x] No []
Permit valid for: [x] Five years [site plan submitted pursuant to GS 130A-334(13a)] [] No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

Licensed Soil Scientist Print Name: Alex Adams
Licensed Soil Scientist Signature: Alex Adams Date: 11-7-24

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).
See attached site sketch

This Section for Local Health Department Use Only

Initial submittal received: 11-7-24 by MJO
Date Initials

G.S. 130A-335(a3) states the following:

When an applicant for an Improvement Permit submits to a local health department an Improvement Permit application, the permit fee charged by the local health department, the common form developed by the Department, and a soil evaluation pursuant to subsection (a2) of this section, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Improvement Permit includes all of the required components. If the local health department determines that the Improvement Permit is incomplete, the local health department shall notify the applicant of the components needed to complete the Improvement Permit. The applicant may submit additional information to the local health department to cure the deficiencies in the Improvement Permit. The local health department shall make a final determination as to whether the Improvement Permit is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The Department shall develop a common form for use as the Improvement Permit.

The review for completeness of this Improvement Permit was conducted in accordance with G.S. 130A-335(a3). This Improvement Permit is determined to be:

Incomplete (If box is checked, information in this section is required.)

The following items are missing:

Copies of this were sent to the LSS and the Applicant on _____
Date

State Authorized Agent: _____ Date: _____

Complete
State Authorized Agent: Moh A. RCH Date: 11-8-24

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2) and (a3) using the signed and sealed LSS/LG evaluation(s) attached here. 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 permit 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 the conditions of this permit.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: 11-7-29

See attached site sketch

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)

County: Harnett
 PIN/Lot Identifier: 0630-24-5501
 Issued To: New Home Inc.
 Property Location: 161 Beacon Hill - Lillington, NC
 AOWE/PE Plans/Evaluations Provided: Yes No If yes, name and license number of AOWE/PE: Alex Adams - AOWE#10021E
 Facility Type: SFH
 New Expansion Repair System Relocation Change of Use
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System* Type III (g) (Initial) Type III (b) (Repair)

*Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)
 Design Daily Flow: 360 GPD Wastewater Strength: domestic high strength industrial process
 Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? Yes No
 (if yes, please provide engineering documentation)

Installation Requirements/Conditions

Septic Tank Size: 1000 gallons Total Trench/Bed Length: 180 feet Trench/Bed Spacing: 9 feet on center
 Trench/Bed Width: 36 inches LTAR: 0.7 gpd/ft²
 Soil Cover: 6 inches Slope Corrected Maximum Trench/Bed Depth[†]: 18 inches [†] Measured on the downhill side of the trench
 Aggregate Depth: 6 inches above pipe 6 inches below pipe 12 inches total
 Pump Tank Size (if applicable): N/A gallons Requires more than 1 pump? Yes No
 Pump Requirements: N/A ft. TDH vs. _____ GPM Grease Trap Size (if applicable): _____ gallons
 Distribution Method: Serial D-Box or Parallel Pressure Manifold(s) LPP Other: _____
 Artificial Drainage Required: Yes No If yes, please specify details: See sketch for curtain drains
Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)
 Multi-party Agreement Required [.1937(h)]: Yes No
 Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: Yes No
 Declaration of Restrictive Covenants: Yes No
 Pre-Construction Conference Required: Yes No
 Conditions: No Foundation or Gutter drains directed towards septic drain field.

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

AOWE/PE Print Name: Alex Adams Expiration Date: 11-7-29
 AOWE/PE Signature: Alex Adams Date: 11-7-24

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch

This Section for Local Health Department Use Only

Initial submittal received: 11-7-24 by M40
Date Initials

G.S. 130A-335(a5) states the following:

When an applicant for a Construction Authorization, or an Improvement Permit and Construction Authorization together, submits a Construction Authorization, or an Improvement Permit and Construction Authorization application together, the permit fee charged by the local health department, the common form developed by the Department, and any necessary signed and sealed plans or evaluations conducted by a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Construction Authorization or Improvement Permit and Construction Authorization includes all of the required components. If the local health department determines that the Construction Authorization or Improvement Permit and Construction Authorization is incomplete, the local health department shall notify the applicant of the components needed to complete the Construction Authorization or Improvement Permit and Construction Authorization. The applicant may submit additional information to the local health department to cure the deficiencies in the Construction Authorization or Improvement Permit and Construction Authorization. The local health department shall make a final determination as to whether the Construction Authorization or Improvement Permit and Construction Authorization is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The applicant may apply for the building permit for the project upon the decision of completeness of the Construction Authorization or Improvement Permit and Construction Authorization by the local health department or if the local health department fails to act within five business days. The Authorized On-Site Wastewater Evaluator or licensed engineer submitting the evaluation pursuant to this subsection may request that the local health department revoke or suspend the Construction Authorization or Improvement Permit and Construction Authorization for cause. Upon written request of the Authorized On-Site Wastewater Evaluator or licensed engineer, the local health department shall suspend or revoke the Construction Authorization or Improvement Permit and Construction Authorization pursuant to G.S. 130A-23. The Department shall develop a common form for use as the Construction Authorization.

The review for completeness of this Construction Authorization was conducted in accordance with G.S. 130A-335(a5). This Construction Authorization is determined to be:

Incomplete (If box is checked, information in this section is required.)

The following items are missing: _____

Copies of this were sent to the AOWE/PE and the Applicant on _____
Date

State Authorized Agent: _____ Date: _____

Complete

State Authorized Agent: _____ Date of Issuance: _____

This Construction Authorization is issued pursuant to G.S. 130A-335(a2) and (a5) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be affected by 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.

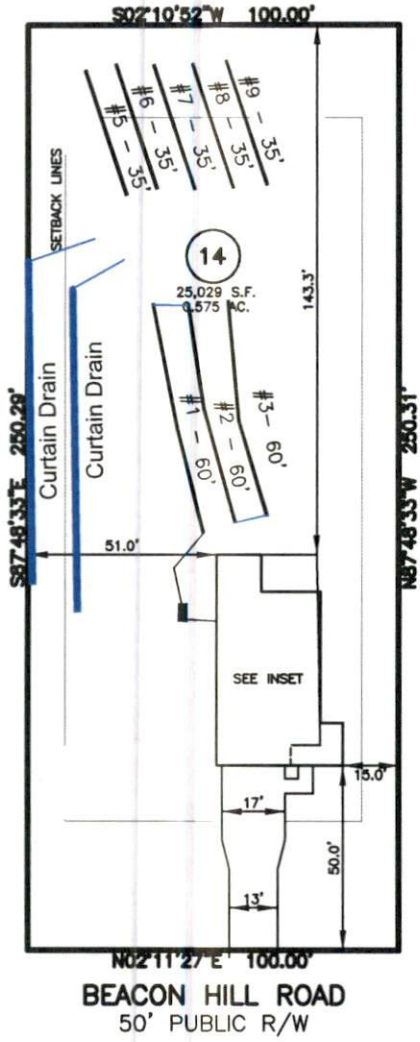
The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.

Construction Authorization Expiration Date: _____

See attached site sketch

Duncans Creek- Lot #14
 360 Gallon/Day - Septic Design
 161 Beacon Hill Road - Lillington, NC
 New Home, Inc
 Harnett County PIN: 0630-24-5501

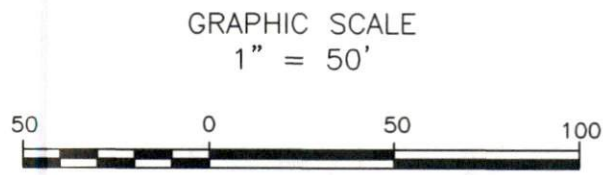
*Not a Survey
 Sketched from a plot plan supplied by owner



System: Gravity to Serial
 Lines: 1-3 (180')
 0.7 LTAR
 15" Max Trench Bottom
 Accepted Status System
 Repair: Pressure Manifold
 Lines: 5-9 (175')
 0.4 LTAR
 16" Max Trench Bottom
 Accepted Status System

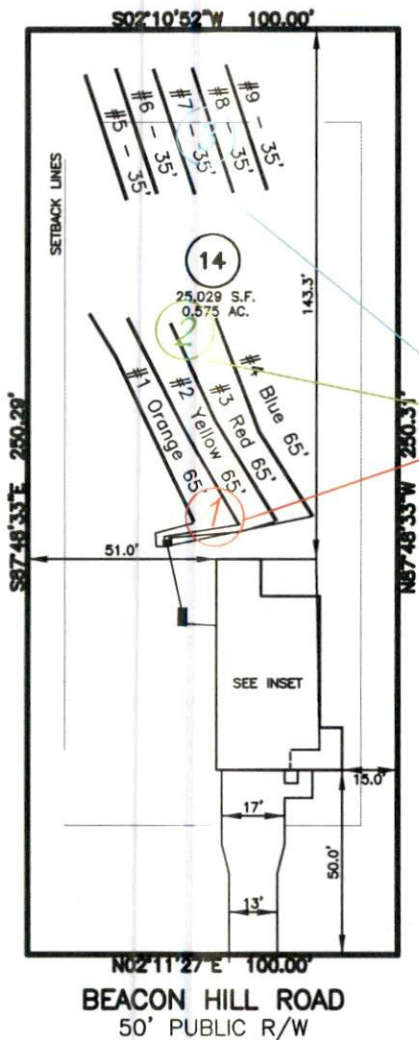
**1000 Gallon Septic and Pump Tank
 Tank and trenches to be located minimum of 10'
 from any property line and minimum of 5'
 from any building foundation.
 *Do Not Cut, Fill, or Alter Drainfield or Repair Area
 *Comply with all setbacks
 *Contact local health dept. and/or Alex Adams prior to
 or during installation with any questions or concerns.

Adams
 Soil Consulting
 919-414-6761
 Job #1769
 11-4-24



Duncans Creek- Lot #14
 Soil Boring Locations
 161 Beacon Hill Road - Lillington, NC
 New Home, Inc
 Harnett County PIN: 0630-24-5501

*Not a Survey
 Sketched from a plot plan supplied by owner



1

Profile Description #1
 See Soil/Site Evaluation
 Data Form

2

Profile Description #2
 See Soil/Site Evaluation
 Data Form

3

Profile Description #3
 See Soil/Site Evaluation
 Data Form

Adams
 Soil Consulting
 919-414-6761
 Job #1769
 6-5-24

GRAPHIC SCALE
 1" = 50'



SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
 (Complete all fields in full)

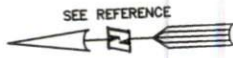
OWNER: New Home Inc, APPLICATION DATE: DATE EVALUATED: 5-15-24
 ADDRESS: Duncan's Creek - Lot 14 - 161 Beacon Hill Road. - Lillington, NC
 PROPOSED FACILITY: Single Family, 3-bedroom PROPOSED DESIGN FLOW (.1949): 480gpd PROPERTY SIZE: ~0.57 acres
 LOCATION OF SITE: Duncan's Creek - Lot 14 - 161 Beacon Hill Road. - Lillington, NC
 WATER SUPPLY: Public Water
 EVALUATION METHOD: Auger Boring TYPE OF WASTEWATER: Sewage

P R O F I L E #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	Ridge/7%	0-15	GR/S	FR/SEXP/NS	N/A	N/A	N/A	N/A	PS/0.6
		15-40+	SBK/LS	FI/SEXP/SS					
2	Ridge/7%	0-20	GR/S	FR/SEXP/NS	34	N/A	N/A	N/A	PS/0.4
		20-34	SBK/SCL	FI/SEXP/SS					
3	Ridge/7%	0-12	GR/S	FR/SEXP/NS	30	N/A	N/A	N/A	PS/0.4
		12-36	SBK/SCL	FI/SEXP/SS					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946): _____ SITE CLASSIFICATION (.1948): PS EVALUATED BY: A. Adams OTHER(S) PRESENT:
Available Space (.1945)	>5,000 ft ²	>5,000 ft ²	
System Type(s)	Type III (b)	Type III (b)	
Site LTAR	0.4	0.4	

COMMENTS: Large percentage of small stone and gravel in profile but deemed to be less than 50% in the trench installation area and below.
 Updated February 2014

PLOT PLAN FOR
NEW HOME, INC.
 161 BEACON HILL ROAD
 LOT 14, DUNCAN'S CREEK, PHASE 1
 UPPER LITTLE CREEK TOWNSHIP, HARNETT COUNTY, NORTH CAROLINA



11

12

THOMAS MANOR
 B.M. 2013, PG. 279

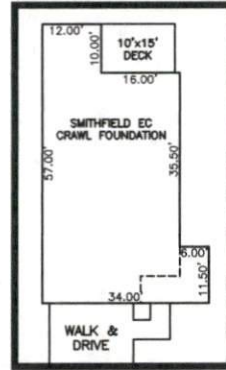
S02°10'52"W 100.00'

LEGEND

- AC AIR CONDITIONER
- BC BACK of CURB
- BFP BACK FLOW PREVENTER
- CLEANOUT
- CURB INLET
- DHS DRILL HOLE SET
- ECM EXISTING CONCRETE MONUMENT
- EDH EXISTING DRILL HOLE
- ES EXISTING IRON STAKE
- EIP EXISTING IRON PIPE
- EM ELECTRIC METER
- EPK EXISTING PK NAIL
- ES ELECTRIC STUB
- ▽ FLARED END SECTION
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- GM GAS METER
- GUY GUY
- INV. INVERT
- IPS IRON PIPE SET
- IRS IRON ROD SET
- LIGHT POLE
- MNS MAGNETIC NAIL SET
- MANHOLE SANITARY SEWER
- MANHOLE STORM SEWER
- QHW OVERHEAD WIRES
- PKS PK NAIL SET
- PNS POINT NOT SET
- RRS RAIL ROAD SPIKE
- TELEPHONE PEDESTAL
- TRANSFORMER
- CABLE TV PEDESTAL
- UTILITY POLE
- WATER METER
- YARD INLET
- () FIELD MEASUREMENT

SETBACK LINES

14
 25,029 S.F.
 0.575 AC.



INSET SCALE: 1" = 30'

13

15

S87°48'33"E 250.29'

N87°48'33"W 250.31'

N02°11'27"E 100.00'

BEACON HILL ROAD
 50' PUBLIC R/W

IMPERVIOUS SURFACES	S.F.
HOUSE	1,510
WALK & DRIVE	790
DECK	150
TOTAL	2,450

SETBACK INFO

FRONT: 35'
 REAR: 25'
 SIDES: 10'
 CORNER SIDE: 20'

REFERENCES:

B.M. 2022, PGS. 594-596



SCALE: 1" = 40'

NOTES

1. THIS SURVEY SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
2. THIS MAP MAY NOT BE A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS.

PLOT PLAN
 PRELIMINARY PLAT- NOT FOR RECORDATION,
 CONVEYANCE OR SALES

DATE: APRIL 23, 2024

F.B. _____

REV CODE: 1.FLIP, 2.PLAN, 3.ROTATE, 4.MOVE, 5.SS
 6.SEVERAL OF ABOVE, 7.LAND FEATURE, 8. OTHER

RWK, PA

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