

### Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: Joseph A. Wilkins PROPERTY LOCATION: NC 55 W.  
 SUBDIVISION \_\_\_\_\_ LOT # 5  
 NEW  REPAIR  EXPANSION   
 Type of Structure: 3B2 70'x41' MOD Site Improvements required prior to Construction Authorization Issuance: \_\_\_\_\_  
 Proposed Wastewater System Type: 25% 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: [Signature] Date: 01/29/2019 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: Joseph A. Wilkins PROPERTY LOCATION: NC 55 W.  
 SUBDIVISION \_\_\_\_\_ LOT # 5  
 Facility Type: 3B2 70'x41' MOD  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  25% Reduction Sys. (Repair))

#### Installation Requirements/Conditions

Septic Tank Size 1000 gallons \* Number of trenches 4  
 Pump Tank Size \_\_\_\_\_ gallons Exact length of each trench 75 feet Trench Spacing: 9 Feet on Center  
 \*1250 GAL REQ IF FUTURE BEDROOM EXPANSION Trenches shall be installed on contour at a Soil Cover: 16 inches  
 Maximum Trench Depth of: 28 inches (Maximum soil cover shall not exceed 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  
 \_\_\_\_\_ inches above pipe  
 \_\_\_\_\_ inches total  
 Conditions: Shallow (20ft) to deep (28ft) install may be required  
sewer eqmt. shall be marked at install

**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: 01/29/2019  
ANDREW WARRIN Construction Authorization Expiration Date: 01/29/2024

HTE# BRES1901-0036

Permit # 30452

# Harnett County Department of Public Health Site Sketch

ISSUED TO: Joseph A. Wilkins PROPERTY LOCATION: NC 55 W.  
SUBDIVISION \_\_\_\_\_ LOT # 5

Authorized State Agent: *Andrew Warrin* Date: 01/29/2019

ANDREW WARRIN

\* 25% REDUCTION STS; 300FT MIN

\* SHALLOW (20IN) TO DEEP (28IN) MAY BE REQUIRED

OR DEEP TO SHALLOW MAY BE POSSIBLE

\* WALK SHALL BE MAUNED AT INSTALL OR DEPENDENT ON SEPTIC

390'



\* SEWER ESMT SHALL BE CLEARLY MARKED W/ SYS. NOT IMPROACHING TO NC 55 W.

~~BY~~ SEPTIC SYSTEM

**Adams Soil Consulting**  
**1676 Mitchell Road**  
**Angier, NC 27501**  
**919-414-6761**

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December 27, 2018  
Project #700

Streamline Land Surveying, Inc.  
Attention: Robert Godwin  
870 NC 55 W  
Coats, NC 27521

**Harnett County Minor Subdivision Report**

RE: Soil/Site evaluation for lots 3 & 5 of the minor subdivision for Joseph W. Wilkins, Theresa D. Wilkins, and Joseph A. Wilkins located adjacent North McKinley St. in Coats, NC (Harnett County)

Mr. Godwin:

Adams Soil Consulting (ASC) completed a soils evaluation per your request for the above referenced minor subdivision in Harnett County. The soil/site evaluation was performed using hand auger borings, under moist soil conditions, based on the criteria found in the State Subsurface Rules, 15ANCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems".

Both of the proposed lots were vacant at the time of evaluation. The soils on lot #3 and #5 contain sufficient suitable soils for conventional type initial and repair septic systems for at least one 3-bedroom home on each of the proposed lots. Lot #3 and #5 contain greater than 30,000 ft<sup>2</sup> of suitable soils that consist of sandy loam, sandy clay loam subsoils that can support a daily loading rate of 0.3 - 0.4 gallons/day/ft<sup>2</sup>. Both lots should accommodate home foot prints of at least 50' X 50'.

The specific septic systems will be permitted by the Harnett County Health Department. Additionally, the Harnett County Health Department will establish the loading rates for any proposed system. The areas for the proposed septic fields shall not be impacted by home sites, pools, garages and shall not be mechanically altered from the natural lay of the land.

The lots will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and repair septic areas. Due to the subjective nature of the permitting process and the variability of naturally occurring soils, Adams Soil Consulting cannot guarantee that areas delineated as suitable for on-site wastewater disposal systems will be permitted by the governing agency. The lots may require septic systems utilizing pumps, shallow or ultra-shallow conventional trench placement, low pressure pipe system, and/or reductions system for final approval. The

accompanying soil map is preliminary in nature, no further assumptions or subdivision should be made without a more detailed evaluation.

Please give me a call if you have any questions.

Sincerely,




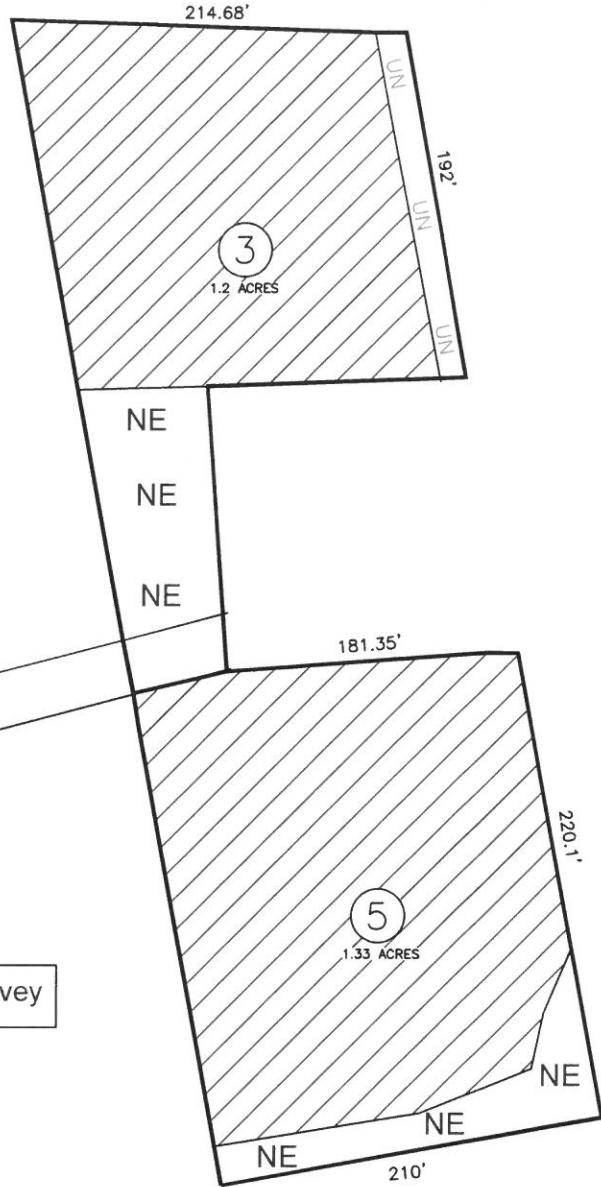
Alex Adams  
NC Licensed Soil Scientist #1247



Joseph Wilkins  
 Lot #3 and #5 - North McKinley St.  
 Coats, NC

Legend

	Areas contain soils with 30 inches or more of useable material and have potential for conventional, modified conventional, LPP or ultra-shallow conventional septic systems. There may be inclusion of soils 24-29 inches to a restrictive horizon that will have potential for LPP septic systems.
NE	Areas not evaluated
UN	Unsuitable areas.



\*Not a Survey

- \*Preliminary Soils Evaluation
- \*Soil boundary was sketched onto a preliminary map of the property supplied by the client's surveyor.
- \*Not a Survey.
- \*Septic system setbacks listed below for new lots.
  - 1) 10' from property lines.
  - 2) 100' from wells for primary systems.
  - 3) 50' from surface waters (streams, ponds, lakes).
- \*Any mechanical disturbances such as grading, cutting and filling of the suitable soil areas can render areas unsuitable for future septic systems.
- \*See accompanying report for additional information.
- \*Due to Soil Variability, Adams soil consulting cannot guarantee that the areas shown as suitable will be permitted by the local Health Department.



GRAPHIC SCALE  
 1" = 100'



Adams  
 Soil Consulting  
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 Project #700