

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

August 22, 2016  
Project # 410

Joyner Piedmont Surveying  
P.O. Box 115  
Dunn, NC 28335

RE: Preliminary soil/site evaluation for Lot #1 of the minor subdivision for Billy Sherrill Ingram, II and Robert Lionel Ingram located adjacent to Mann Road Extension in Harnett County.

Mr. Joyner,

Adams Soil Consulting (ASC) conducted a preliminary soil evaluation on the above referenced parcel to determine the areas of soils which are suitable for subsurface wastewater disposal systems (conventional & LPP). The soil/site evaluation was performed using hand auger borings during moist soil conditions and the suitable soil boundary was sketched onto a preliminary plat supplied by Joyner Piedmont Surveying.

The suitable soils shown on the accompanying soil map are suitable for a conventional type initial and repair area for at least one 3-bedroom home. The lot contains greater than 30,000 ft<sup>2</sup> of suitable soils that consist of clay subsoil that can support a daily loading rate of 0.25-0.35 gallons/day/ft<sup>2</sup>. The specific septic system and loading rates for this lot will be permitted by the Harnett County Health Department. 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 lot should accommodate a house foot print of at least 60' x 60'.

The lot 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 lot may require a septic system 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.

If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime. Thank you allowing me to perform this site evaluation for you.

Sincerely,



Alex Adams  
NC Licensed Soil Scientist #1247

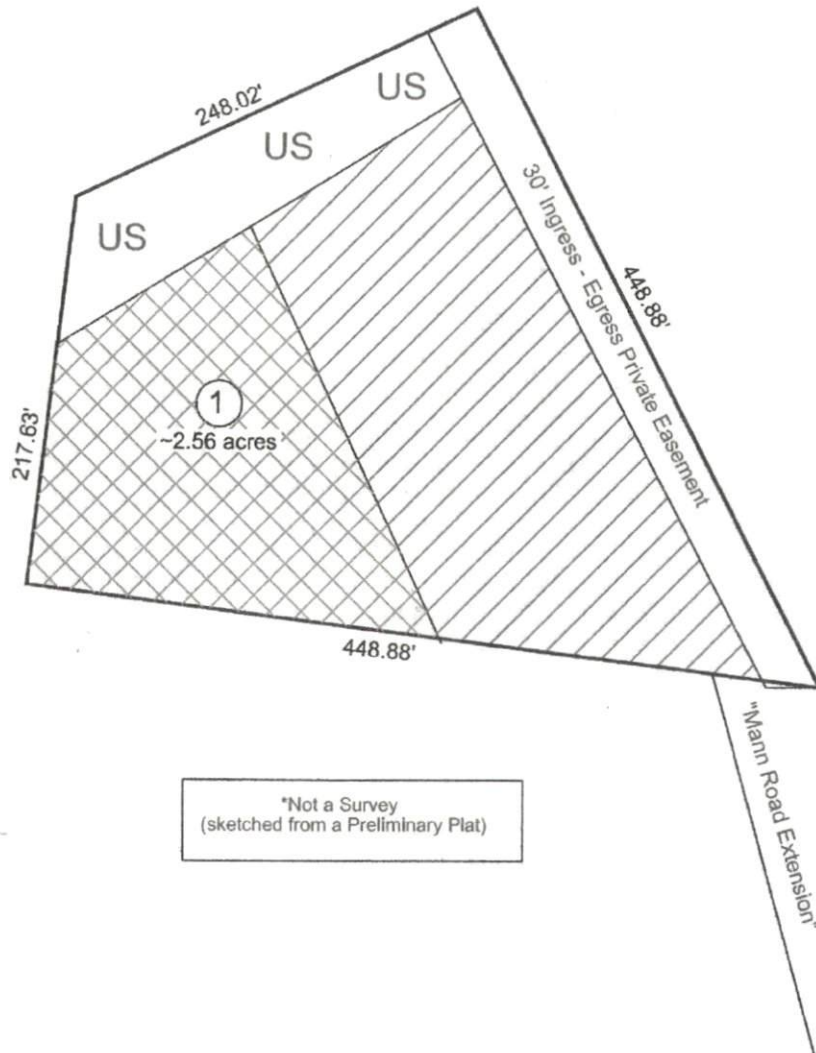


# Preliminary Soils Evaluation

## Billy Sherrill Ingram, II and Robert Lionel Ingram

### Proposed Lot #1 (~2.56 acres)

### Harnett County, NC



\*Not a Survey  
(sketched from a Preliminary Plat)



\*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.

**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.
	Areas contain soils with 24 inches or more of useable material and have potential for Ultra-shallow conventional, LPP type septic systems.
<b>US</b>	Unsuitable Areas or Area Not Evaluated

GRAPHIC SCALE  
1" = 100'



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