Permit #:	



**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: (a2) Improvement Permit	(a2) Construction Authorization	Fee \$	
IMPROVEMENT	PERMIT FOR G.S. 130A-3	35(a2)	
County:			
PIN/Lot Identifier:			
Issued To:			
Property Location:			
Subdivision (if applicable)	Lot #:	Block: Section:	
LSS Report Provided: Yes No No			
If yes, name and license number of LSS:			
New Expansion	System Relocation	Change of Use	
Proposed Structure:			_
Number of bedrooms: Number of Occupants:	Other:		
Design Wastewater Strength:  domestic	high strength  indus	trial process	
Proposed Design Daily Flow: GPD Pro	posed LTAR (Initial):	Proposed LTAR (Repair):	
Proposed Wastewater System Type*:	(Initial) Pump F	equired: Yes No May be required	l
Proposed Wastewater System Type*:	(Repair) Pump R	equired: 🗌 Yes 🔲 No 🔲 May be required	
*Please include system classification for proposed wastewater	system types in accordance with 15	A NCAC 18A .1961 Table V(a)	
Saprolite System (initial): Yes No Saprolite Syst	em (repair): 🗌 Yes 🔲 No		
Fill System (Initial): 🗌 Yes 🔲 No If yes, specify: 🗌 New 🗌	Existing (when adding more that	n 6 inches of fill to system area provide a fill pla	an)
Fill System (repair): 🗌 Yes 🔲 No If yes, specify: 🗌 New 🛭	Existing (when adding more tha	n 6 inches of fill to system area provide a fill pl	an)
Usable Soil Depth (Initial): Usable Soil De	epth (Repair):		
Max. Trench Depth (Initial) <sup>‡</sup> : Max. Trench I	Depth (Repair)‡:	<sup>‡</sup> Measured on the downhill side of the trend	h
Artificial Drainage Required: 🗌 Yes 🔲 No If yes, please spe	cify details:		
Type of Water Supply: Private well Public well S	hared well	Spring Other:	
Drainfield location meets requirements of Rule .1945: Yes	No Drainfield location mee	ts requirements of Rule .1950: Yes 🗌 No 🗌	]
Permit valid for:  Five years [site plan submitted pursuant to	GS 130A-334(13a)]	tion [plat submitted pursuant to GS 130A-334(	7a)
Permit conditions:			
			-
			-
Licensed Soil Scientist Print Name:		Date:	
CICADSAN SOU SCIANTIST SIGNATURA' // X V Y . ///////////	,	Hare.	

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

\*See attached site sketch\*

#### NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF PUBLIC HEALTH



Permit #:
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# This Section for Local Health Department Use Only

	Initial submittal received:		by	
		Date	Initials	
G.S. 130A-335(a3) states the follow	ving:			
When an applicant for an Improvement Pedepartment, the common form developed within five business days of receiving the appearant includes all of the required component department to cure the deficiencies in the list is complete within five business days after act within any period set out in this subsect common form for use as the Improvement	by the Department, and a soil evaluation plication, conduct a completeness revents. If the local health department de some seed to complete the Improvement may over the local health of the local health department receives the local health department the failur	on pursuant to su view of the submit termines that the nt Permit. The app department shall he additional info	bsection (a2) of this section, t tal. A determination of comp Improvement Permit is incon Ilicant may submit additional make a final determination a rmation from the applicant. Ij	the local health department shall, leteness means that the Improvement aplete, the local health department information to the local health is to whether the Improvement Permit the local health department fails to
The review for completeness of th Permit is determined to be:	is Improvement Permit was co	nducted in ac	cordance with G.S. 130	4-335(a3). This Improvement
☐ Incomplete (If box is checked,	information in this section is r	equired.)		
The following items are missing:	5/6			A
Copies of this were sent to the LSS	and the Applicant on			_\\\
		Date		
State Authorized Agent:			Date	2:
☐ Complete	1 55//8			2 18
State Authorized Agent:			Date	j:
This Improvement Permit is issue attached here. The issuance of the permit holder is responsible for conto revocation if the site plan, plat ownership of the site. This permit Disposal and to the conditions of The Department, the Department any liabilities, duties, and responsevaluations, submittals, or action	his permit by the Health Depar hecking with appropriate gove , or the intended use changes t is subject to compliance with this permit. It's authorized agents, and the sibilities imposed by statute o	ertment in no werning bodies The Improventhe provision  local health drin common I	yay guarantees the issuin meeting their requirement Permit shall not no of the Laws and Rule epartments shall be disaw from any claim aris	ance of other permits. The ements. This permit is subject be affected by a change in es for Sewage Treatment and scharged and released from ing out of or attributed to
Improvement Permit Expiration C	vate:			

\*See attached site sketch\*



Permit #:	
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# **Re-submittal of Improvement Permit**

				<del></del>
	LHD USE ONLY: This IP resubmittal received:	Date	by	
The following it	ems are being resubmitted pursuant to G.S. 130A-3350	(a3) for issuance	of the Improvement Permit:	
		200		
	STA	Trus	A.	
is accurate and o	hereby attest that cientist (Print Name) complete to the best of my knowledge and that the properties and complete to the best of my knowledge.		required to be included with ement Permit meets all appli	
Signature	e of Licensed Soil Scientist		Date	
I UD Follow u	The section below is for Local Health Department use on the Completeness Review of Improvement Pe		items noted as missing above.	
The review for c	ompleteness of this Improvement Permit re-submittaermit is determined to be:		in accordance with G.S. 130	A-335(a3). This
☐ Incomplete	(If box is checked, information in this section is requir	red.)		
The following ite	ems are missing:			
Copies of this we	ere sent to the LSS and the Applicant on			
State Authorized	d Agent:		Date:	
☐ Complete				
State Authorized	d Agent:		Date:	<del></del>



Permit #:
-----------

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

County:	
PIN/Lot Identifier:	
ssued To:	
Property Location:	
AOWE/PE Plans/Evaluations Provided: Yes  No If yes, name and license number of AOWE/PE:	
Facility Type:	
New Expansion Repair System Relocation Change of Use	
Basement?	
Type of Wastewater System*(Initial)(Rep	air
*Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)	
Design Daily Flow: GPD Wastewater Strength: _ domestic _ high strength _ industrial process	
Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies?	
nstallation Requirements/Conditions	
Septic Tank Size: gallons Total Trench/Bed Length: feet Trench/Bed Spacing: feet on center	
Trench/Bed Width: inches LTAR: gpd/ft²	
Soil Cover: inches Slope Corrected Maximum Trench/Bed Depth <sup>‡</sup> : inches <sup>‡</sup> Measured on the downhill side of the trench	
Aggregate Depth:inches above pipeinches below pipeinches total	
Pump Tank Size (if applicable): gallons Requires more than 1 pump? 🔲 Yes 🔲 No	
Pump Requirements: 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:	
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)]:	
Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: 🔲 Yes 🔲 No	
Declaration of Restrictive Covenants:	
Pre-Construction Conference Required: Yes No No	
Conditions:	
All Control of the Co	
The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference	
nto this permit and shall be met. Systems shall be installed in accordance with the attached system layout.	
AOWE/PE Print Name: Expiration Date:	
AOWE/PE Signature: Date:	

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

\*See attached site sketch\*



Permit #:
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# This Section for Local Health Department Use Only

	Initial submittal received:	b	, <del></del>
		Date	Initials
G.S. 130A-335(a5) states the follo	_		
mprovement Permit and Construction All Department, and any necessary signed and Ingineer or a person certified pursuant to department shall, within five business day the Construction Authorization or Improved the English of the Construction Authorization of the Construction Authority policant of the components needed to consider the Information to the local health Authorization. The local health department for the project of the building permit for the project of the English of the building permit for the project of the English of	athorization application together, the pend sealed plans or evaluations conducted of Article 5 of Chapter 90A of the General as of receiving the application, conduct of the General and Construction Authorization or Improvement Permit and Construction Authorization or Improvement Permit and Construction Authorization of the Construction Authorization of the Authorization as to the Salah and the Authorization as to the Salah and the Authorization of the Authorization as to the Salah and the Authorization of the Incal health department for the Incal health department for pursuant to this subsection may required Construction Authorization for cause. It all suspend or revoke the Construction Authorization for cause.	rmit fee charged by the lo d by a person licensed pur. Statutes as an Authorized a completeness review of t ation includes all of the re truction Authorization is in or Improvement Permit and the Construction Authorization whether the Construction and treat the failure to act the Construction Authorization the Construction Authorization act within five busine est that the local health a Upon written request of the uthorization or Improvem	ation together, submits a Construction Authorization, or an an acal health department, the common form developed by the suant to Chapter 89C of the General Statutes as a licensed of On-Site Wastewater Evaluator, the local health the submittal. A determination of completeness means that required components. If the local health department and construction Authorization. The applicant may submit and construction Authorization. The applicant may submit and construction or Improvement Permit and Construction and information from the applicant. If the local health ect as a determination of completeness. The applicant may reaction or Improvement Permit and Construction as a determination of completeness. The applicant may reaction or Improvement Permit and Construction ress days. The Authorized On-Site Wastewater Evaluator or department revoke or suspend the Construction are Authorized On-Site Wastewater Evaluator or licensed and Construction Authorization pursuant to G.S.
The review for completeness of t	his Construction Authorization v	was conducted in acc	cordance with G.S. 130A-335(a5). This
Construction Authorization is def	termined to be:		
☐ Incomplete (If box is checked	d, information in this section is r	equired.)	
The following items are missing:			
Copies of this were sent to the A	OWE/PE and the Applicant on _	Date	4V 76 //
State Authorized Agent:			Date:
☐ Complete	Florence .		
State Authorized Agent:	W ZPRIL	12 1776	Date of Issuance:
attached here. This Construction Construction Authorization shall to compliance with the provision of the Department, the Department in y liabilities, duties, and respondans, evaluations, preconstruct the General Statutes as a license Authorized On-Site Wastewater	n Authorization is subject to revious function and the affected by a change in most of the Laws and Rules for Sevent's authorized agents, and the insibilities imposed by statute or ion conference findings, submited engineer or a person certified Evaluator in GS 130A-335(a2), (artments shall be responsible a	ocation if the site pl ownership of the sit vage Treatment and local health departn r in common law fro tals, or actions from d pursuant to Article (a5), and (a7). The D nd bear liability for	ing the signed and sealed plans or evaluations an, plat, or the intended use changes. The te. This Construction Authorization is subject Disposal and to the conditions of this permit.  The enerts shall be discharged and released from many claim arising out of or attributed to a a person licensed pursuant to Chapter 89C of 5 of Chapter 90A of the General Statutes as an epartment, the Department's authorized their actions and evaluations and other pursuant to GS 130A-337.
Construction Authorization Expi	ration Date:		

\*See attached site sketch\*



Permit #:	
-----------	--

#### **Re-submittal of Construction Authorization**

	I HD LISE ONI V	This CA resubmittal received:		by		
	LIND OSE ONET.	This CA resubinitial received	Date	by	als	
The following i	tems are being resul	omitted pursuant to G.S. 130A-33	35(a5) for issuance of	of the Construction	n Authorization:	
l.		hereby attest tha	at the information r	required to be incl	uded with this re-s	submittal
is accurate and						
Signatur	re of Authorized On-Site \	Nastewater Evaluator		Date	Ť.	
LHD Follow-ւ		w is for Local Health Department us  s Review of Construction A		tems noted as missii	ng above.	
	completeness of thi	s Construction Authorization re-s determined to be:	submittal was cond	ucted in accordand	ce with G.S. 130A-	335(a5).
☐ Incomplete	(If box is checked, ir	formation in this section is requi	ired.)			
The following it	ems are missing:					
		ALIO 300 MI	M VIDER	19		
Copies of this w	vere sent to the AOV	VE/PE and the Applicant on	Date	-		
State Authorize	ed Agent:			Date: _		
Complete						
State Authorize	ed Agent:			Date: _		

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

alexadams@bcsoil.com

January 18, 2024 Project #1215

"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)."

"The plans or evaluations attached to this application are to be used to issue a Construction Authorization in accordance with G.S. 130A-335 (a2), (a5), and (a6)"

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

RE: Tobacco Road Subdivision: Lot #18 – 209 Golden Leaf Farms Road - Angier, NC (Harnett County) for Drees Homes

To whom it may concern:

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 based on the criteria found in the State Subsurface Rules, 15ANCAC 18E. From this evaluation, ASC is providing the attached 600 gallon/day septic design.

The suitable soils found on the subject property were relatively consistent in the initial and repair areas. The area designated for the initial/primary septic system (see attached septic plan) was found to contain soils with greater than 24 inches in depth before a restrictive horizon was encountered.

Please find the attached wastewater soil/site evaluation forms for specific soil properties found in the initial and repair areas as well as assigned soil long term acceptance rate (LTAR). Numerous soil borings were made throughout the property and representative soil profile descriptions for the primary septic field and repair area are provided. A location sketch for profile descriptions is also attached. The initial and primary septic fields were sized based on a flow rate of 600 gallons/day and utilizing Accepted Status. Any unauthorized site disturbance, filling, soil removal, or layout changes may result in the permit being revoked.

The septic installer contractor shall install the primary and repair (if needed) system on contour, see attached site plan for the primary system and repair

locations. No underground utilities, water lines, or sprinkler systems shall be placed into the initial or repair septic areas. Installation must meet all state and Harnett County regulations for septic system installation. The trenches must be installed in the same location as the site plan. If the installation is in question at the time of installation call me (Alex Adams) at 919-414-6761.

This report discusses the location of provisionally suitable soils identified on the property and does not guarantee the future function of any waste water disposal system installed.

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

Sincerely,

Alex Adams

NC Licensed Soil Scientist #1247 AOWE Certification: 10021E

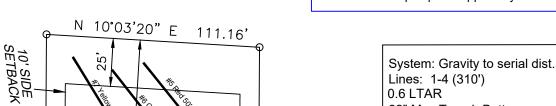




# Tobacco Road S/D 5-Bedroom Septic Design Lot #18 - 209 Golden Leaf Farms Road **Drees Homes**

Harnett County PIN: 0693-25-0126

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



S

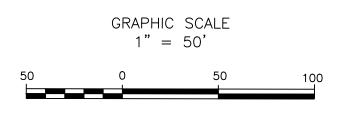
0.6 LTAR 22" Max Trench Bottom Accepted Status System Repair: Pressure Manifold Lines: 5-9 (300') 0.6 LTAR 24" Max Trench Bottom Accepted Status System

83.02 83°02'41" 31.5 **LOT 18** \*\*1200 Gallon Septic and Pump Tank 25,098 SF ≶ Tank and trenches to be located minimum of 10' 0.58 ACRES from any property line and minimum of 5' 30' from any building foundation. Р \*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.

'n, R/W **EOP** 

GOLDEN LEAF FARMS ROAD (50' PUBLIC R/W & UTILITY EASEMENT)

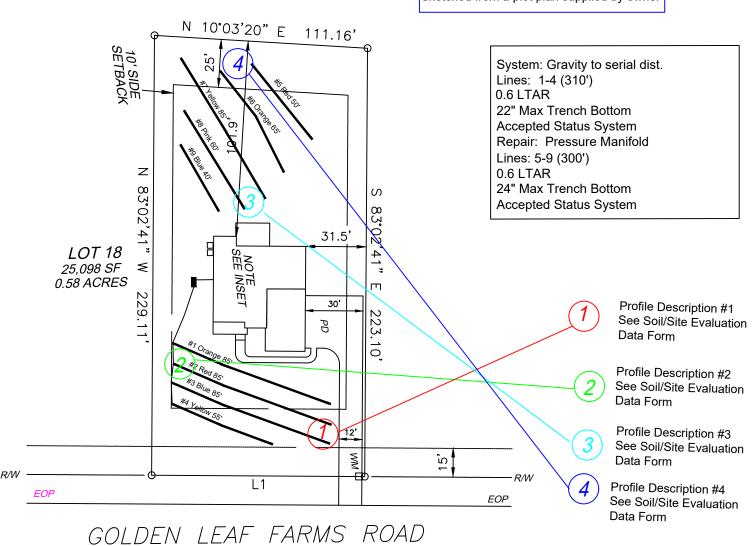
Adams Soil Consulting 919-414-6761 Job #1215 1 - 18 - 24



# Tobacco Road S/D Soil Boring Location Map Lot #18 - 209 Golden Leaf Farms Road Drees Homes

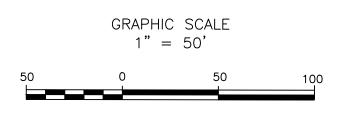
Harnett County PIN: 0693-25-0126

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



GOLDEN LEAF FARMS ROAL (50' PUBLIC R/W & UTILITY EASEMENT)

Adams
Soil Consulting
919-414-6761
Job #1215
1-18-24



# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Drees Homes

APPLICATION DATE:

ADDRESS: Tobacco Road Lot #18 Golden Leaf Farms Road – Angier, NC

DATE EVALUATED: 1-17-24

PROPOSED FACILITY: Single Family, 3-bedroom PROPOSED DESIGN FLOW (.1949): 360gpd

PROPERTY SIZE: ~0.58 acres

LOCATION OF SITE: 209 Golden Leaf Farms Road – Angier, NC

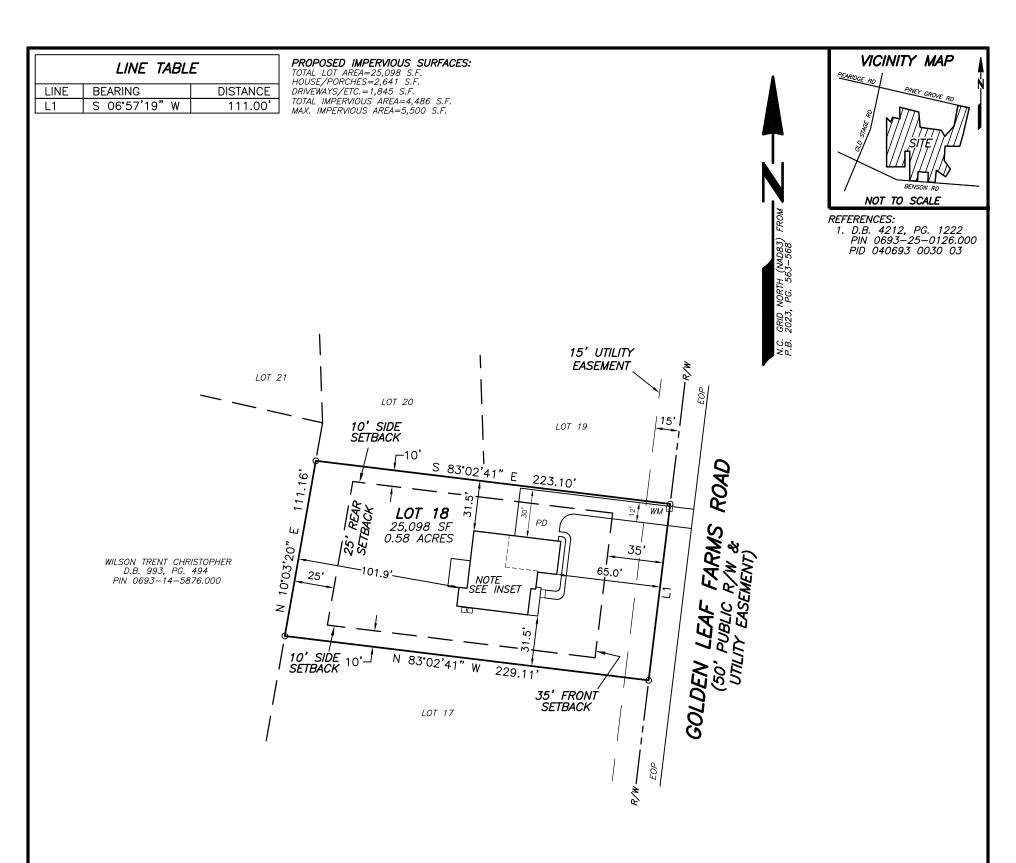
WATER SUPPLY: Public Water

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				
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
	Linear Slope/5%	0-20	GR/LS	FR/SEXP/NS	N/A	N/A	N/A	N/A	PS/0.8
		20-40	SBK/SL	FI/SEXP/SS					
					-				
	Linear Slope/5%	0-20	GR/SL	FR/SEXP/NS	N/A	35"	N/A	N/A	PS/0.6
		20-35	SBK/SL	FI/SEXP/SS					
		0-40	GR/LS	FR/SEXP/NS	N/A	N/A	N/A	N/A	PS/0.8
3	Slope/5%								
	Linear Slope/5%	0-40	GR/LS	FR/SEXP/NS	N/A	N/A	N/A	N/A	PS/0.8

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):				
Available Space (.1945)	>5,000 ft <sup>2</sup>	>5,000 ft <sup>2</sup>	SITE CLASSIFICATION (.1948): PS				
System Type(s)	Type III (b)	Type III (b)	EVALUATED BY:A. Adams OTHER(S) PRESENT:				
Site LTAR	0.6	0.6					

COMMENTS:



<u>SETBACKS</u>

FRONT YARD-35' SIDE YARD-10' REAR YARD-25' CORNER SIDE-20

#### **LEGEND**

(EOP)—EDGE OF PAVEMENT (PD)—PROPOSED DRIVEWAY (WM)-WATER METER (AC)-AIR CONDITIONER

- 1. ALL EASEMENTS, RIGHTS OF WAY AND BOUNDARY INFORMATION TAKEN FROM P.B. 2023, PG 563-568 UNLESS OTHERWISE NOTED.

  2. PROPERTY IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD. NO TITLE EXAMINATION HAS BEEN DONE BY ROBINSON & PLANTE, P.C.

  3. INDIVIDUAL ON SITE SEPTIC SYSTEM FOR ALL LOTS
- 4. WATER TO BE PROVIDED BY HARNETT COUNTY PUBLIC UTILITIES
- 5. NO ENCROACHMENTS INTO THE WETLANDS WILL BE ALLOWED.
- LOTS TO BE INTERNALLY ACCESSED ONLY.

  6. ONLY N.C. DEPARTMENT OF TRANSPORTATION APPROVED STRUCTURES ARE TO BE
- CONSTRUCTED ON PUBLIC RIGHT OF WAY.

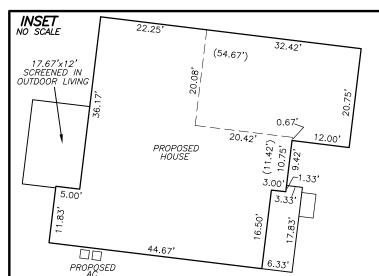
  7. ANY PARCELS OR EXCLUDED AREAS ARE TO BE SERVED INTERNALLY
- WITH NO ACCESS ONTO DEPARTMENTAL RIGHT OF WAY.

  8. ALL DRAINAGE EASEMENTS SHALL BE DEDICATED AS PUBLIC AND SHALL BE
  THE RESPONSIBILITY OF THE PROPERTY OWNERS TO MAINTAIN THE DRAINAGE EASEMENTS
  AND ANY DRAINAGE STRUCTURES THERE IS SO AS TO MAINTAIN THE INTEGRITY OF
  DRAINAGE SYSTEM AND INSURE POSITIVE DRAINAGE
- PROPERTY FRONTAGE SHALL NOT PIPED WITHOUT AN APPROVED ENCROACHMENT
  AGREEMENT FROM NCDOT. THE EASEMENT ALLOWS NCDOT THE RIGHT TO ACCESS THE DRAINAGE EASEMENTS AND PERFORM WORK IT DEEMS NECESSARY OR PRUDENT TO ALLEVIATE ANY ISSUES JEOPARDIZING THE INTEGRITY OF THE ROADWAY.

PRELIMINARY PLAT- NOT FOR RECORDATION, CONVEYANCE, OR SALE

LOT 18 TOBACCO ROAD SUBDIVISION PHASE 1 & 3 209 GOLDEN LEAF FARMS ROAD HARNETT COUNTY ANGIER, NC 27501

REFERENCE: BOOK OF MAPS 2023 PAGE 563-568



DREES HOMES 180' 60' 120' GRAPHIC SCALE

SURVEY FOR

0

I CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION DESCRIPTION RECORDED IN REFERENCES AS THAT THE BOUNDARIES NOT SURVEYED ARE INDICATED AS DRAWN FROM INFORMATION IN THAT THE IN ; THAT THE RATIO OF PRECISION IS 1:10,000; AND THAT THIS MAP MEET THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.16000). \_DAY OF

PROFESSIONAL LAND SURVEYOR L-4433

**VANDERBURGH** ELEV. P SEALED CRAWL SPACE SCREENED IN OUTDOOR LIVING 3 CAR GARAGE GARAGE RIGHT SIDE

# ROBINSON & PLANTE PC

LAND SURVEYING C-2687 970 TRINITY ROAD RALEIGH, N.C. 27607 PHONE (919) 859-6030 FAX (919) 859-6032

DATE:12-22-23

SCALE: 1"=60'

FILE: TBRDLOT18PPR1