

Adams Soil Consulting, PLLC
1676 Mitchell Road
Angier, NC 27501
919-414-6761
alexadams@besoil.com

October 28th 2025

RE: Tobacco Rd Lot # 70. 385 Grading Stick Ct. Angier NC 27501 (Harnett County)
PIN# (0693-25-1966)

OWNER ACCEPTANCE OF SEPTIC SYSTEM

I certify that Drees Homes is accepting the subsurface wastewater
(septic) system installed at 385 Grading Stick Ct. (Harnett County) The acceptance includes the AOWE
permit as issued and designed by Adams Soil Consulting, PLLC and installed by Full Circle Environmental.

Owner's Representative (print): _____ Bradley Weekley

Owner's Representative – (Signature Date): _____

DocuSigned by:

4E761125D00C444...

10/28/2025 | 1:54:11 PM EDT

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

October 28th, 2025

This document is submitted in addition to the "Notice of Intent to Construct" submittal package previously supplied to the local health department in pursuant to G.S. 130A-336.1

RE: Tobacco Rd Lot # 70. 385 Grading Stick Ct, Angier 27501 (Harnett County)
PIN# (0693-25-1966)

To whom it may concern:

This letter is to notify the Harnett County Environmental Health Department that the construction of the wastewater system has been completed. The system was installed to acceptable construction standards. The installation was installed in conformance with the original construction documents as shown on the attached NOI. This document may serve as "Authorization to Operate" the installed system. The installed accepted status system utilized EZFLOW product by Infiltrator.

Operation and Management Program

Have the effluent filter in the septic tank cleaned periodically by a professional. Have the solids pumped out of the septic tank every 3-5 years by a professional. Maintain adequate vegetative cover over the drainfield. Keep surface waters away from the tank and drainfield. Do not pour grease or oil down the sink. Contact a professional for periodic maintenance.



Alex Adams
Adams Soils Consulting, PLLC
NC Licensed Soil Scientist #1247



North Carolina Onsite Wastewater Contractor Inspector Certification Board
 Authorized Onsite Wastewater Evaluator Permit Option for Non-Engineered Systems
 Notice of Intent (NOI) to Construct

New Expansion Repair Relocation Relocation of Repair Area

Owner or Legal Representative Information: Teri Treffzs

Name: Drees Homes Company

Mailing address: 211 Grandview Drive - Suite 102 City: Ft. Mitchell State: KY Zip: 41017

Phone: 919-256-5478

Email: treffzs@dreeshomes.com

Authorized Onsite Wastewater Evaluator Information:

Name: Alex Adams

Certification #: AOWE# 10021E

Mailing address: 1676 Mitchell Road City: Angier

State: NC Zip: 27501

Phone: 919-414-6761

Email: alexadams@bcsoil.com

Site Location Information: Lot #70 Tobacco Road Subdivision

Site address: 385 Grading Stick Ct - Angier, NC 27501

Tax parcel identification number or subdivision lot, block number of property: PIN# 0693-25-1966

County: Harnett

System Information: Accepted Status

Wastewater System Type: Type III (b)

Daily Design Flow: 600 gallons/day

Saprolite System: Yes No Subsurface Operator Required: Yes No

Water Supply Type: Private Well Public Water Supply Spring Other:

Facility Type:

Residential 5 # Bedrooms 10 Maximum # of Occupants

Business Type of Business and Basis for Flow: _____

Public Assembly Type of Public Assembly and Basis for Flow: _____

Required Attachments:

Plat or Siteplan

Evaluation of Soil and Site Features by Licensed Soil Scientist

Attest: On this the 23th day of May 2025 by signature below I hereby attest that the information required to be included with this NOI to Construct is accurate and complete to the best of my knowledge. Furthermore, I hereby attest that I have adhered to the laws and rules governing onsite wastewater systems in the state of North Carolina. This NOI shall expire on 23th day of May 2030.

Signature of Authorized Onsite Wastewater Evaluator: Alex Adams

Signature of Owner or Legal Representative: _____

Disclosure: The owner may apply for a building permit for the project upon submitting a complete NOI to Construct and the fee required (if any) to the local health department. An onsite wastewater system authorized by an authorized onsite wastewater evaluator shall be transferable to a new owner with the consent of the authorized onsite wastewater evaluator.

Local Health Department Receipt Acknowledgement:

Signature of Local Health Department Representative: _____ Date: _____

Adams Soil Consulting, PLLC
1676 Mitchell Road
Angier, NC 27501
919-414-6761
alexadams@besoil.com

May 23, 2025
Project #1215

"This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-336.2

RE: Tobacco Road -Lot #70, 385 Grading Stick Ct. - Angier, NC - 4-bedroom Single Family Residence (PIN# 0693-25-1966)

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 septic system design for a new single-family home sized for a 600 gallon/day septic system. A separately submitted engineered flow reduction will accompany this permit.

The suitable soils found on the subject property were somewhat variable 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.

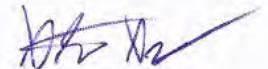
The initial and primary septic fields for the new home were sized based on a flow rate of 600 gallons/day and utilizing Accepted Status system for the initial and a PPBPS repair system. Any unauthorized site disturbance, filling, soil removal, or layout changes may result in the permit being revoked.

The septic installer contractor shall install the repair (if needed) system on contour, see attached site plan for the primary system and repair. No underground utilities, water lines, or sprinkler systems shall be placed into the initial or repair septic areas. Installation must meet all state and local county regulations for septic system installation. The trenches must be installed in the same location as the site plan. If flags trench flags are missing at the time of installation, they must be remarked by Adams Soil Consulting staff. Contact Alex Adams at 919-414-6761. A preconstruction conference is required with the septic installer prior to construction activities at least 14 days in advance of construction activities.

This report does not guarantee the future function of any waste water disposal system installed.

If you have any questions regarding the findings on the attached site plan 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 #70 - 266 Grading Stick Ct.
Drees Homes

Harnett County PIN: 0693-25-1966

*Not a Survey

Sketched from a plot plan supplied by owner

System: Gravity to D-Box

Lines: 5-9 (450')

0.35 LTAR

15" Max Trench Bottom

Accepted Status System

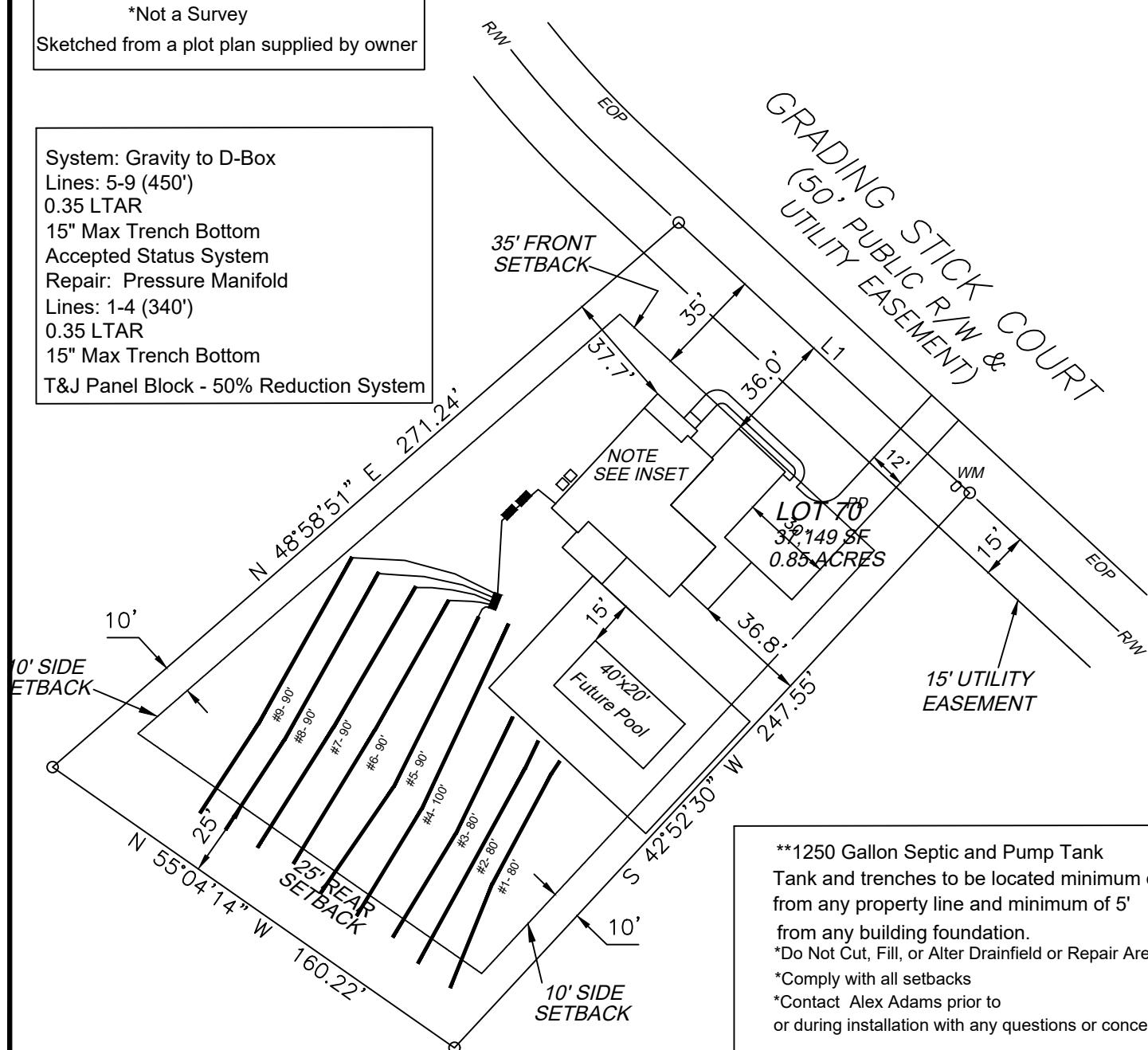
Repair: Pressure Manifold

Lines: 1-4 (340')

0.35 LTAR

15" Max Trench Bottom

T&J Panel Block - 50% Reduction System



Adams
 Soil Consulting
 919-414-6761
 Job #1215
 5-23-25

GRAPHIC SCALE

1" = 50'



RESIDENTIAL PRESSURE MANIFOLD DESIGN

Permit # Tobacco Road Lot 70

of BDR: 5 Daily Flow: 600 gal/day L.T.A.R.: 0.3500 gal/day/sq.ft

Septic Tank: 1250 gals **Pump Tank:** 1250 gals **Sq. Foot:** 1350 **System Type:** Accepted

Number of Taps: 5 **Length of Trenches:** 450 **ft(See Tap Chart for Details)**

Depth of Trenches: 15 in **Manifold Length:** 48 in

Manifold Diameter: 4in sch 80pvc **Tap Configuration:** 6 in spacing 1 **side(s) of manifold**

Supply Line: length: 50 ft Diameter: 2 in sch 40pvc

Friction Loss + Fitting Loss: 3.43 ft(supply line length + 70' for fittings in pump tank)

Design Head: 2 ft **Elevation Head:** 6.00 ft

Total Head: 11.43 ft **Pump to Deliver:** 35.55 gals/min at 11.43 ft head

Dosing Volume: 219 qals.

Simplex Control Panel required; elapsed time meter and cycle counter required; Floats to be determined by type of pump tank used. A septic tank filter is required.

TAP CHART

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

OWNER: Davidson Homes

ADDRESS:

PROPOSED FACILITY: Single Family, 5-bedroom PROPOSED DESIGN FLOW (.1949): 600 gpd

LOCATION OF SITE: Lot 70-385 Grading Stick . Angier NC 27501, Angier, NC, 27501

WATER SUPPLY: Public Water

EVALUATION METHOD: Auger Boring

TYPE OF WASTEWATER: Sewage

APPLICATION DATE:

DATE EVALUATED: 5-23-25

PROPERTY SIZE: .85 Acres

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/ TEXTLSE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	Linear Slope/2%	0-14	GR/LS	VFR,NS,NP,SEXP	N.O	33"	N.O	N.O	P.S .35
		14-33	SBK/SCL	VFR,NS,NP,SEXP					
2	Linear Slope/2%	0-14	GR/LS	VFR,NS,NP,SEXP	N.O	36"	N.O	N.O	P.S .35
		14-36	SBK/SCL	VFR,NS,NP,SEXP					
3	Linear Slope/2%	0-8	GR/LS	VFR,NS,NP,SEXP	N.O	28"	N.O	N.O	P.S .35
		8-28	SBK/SCL	VFR,NS,NP,SEXP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946): _____
Available Space (.1945)	S	S	SITE CLASSIFICATION (.1948): PS
System Type(s)	Type III B	Type III B	EVALUATED BY: A. Adams OTHER(S) PRESENT:
Site LTAR	0.35	0.35	

COMMENTS: _____
Updated February 2014

Tobacco Road S/D
Soil Boring Locations
Lot #70 - 266 Grading Stick Ct.
Drees Homes

Harnett County PIN: 0693-25-1966

*Not a Survey

Sketched from a plot plan supplied by owner

System: Gravity to D-Box

Lines: 5-9 (450')

0.35 LTAR

15" Max Trench Bottom

Accepted Status System

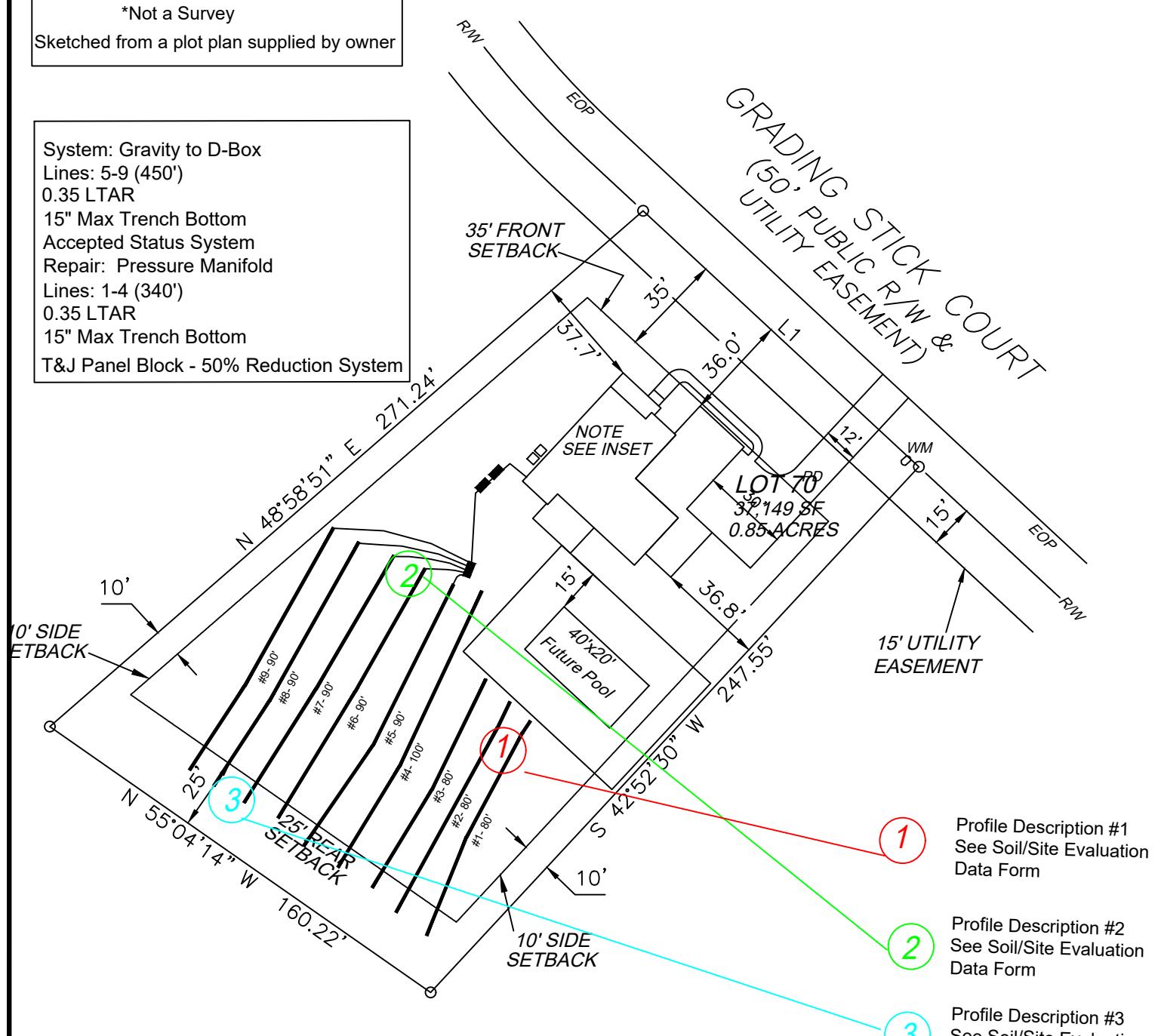
Repair: Pressure Manifold

Lines: 1-4 (340')

0.35 LTAR

15" Max Trench Bottom

T&J Panel Block - 50% Reduction System



Profile Description #1
 See Soil/Site Evaluation
 Data Form

Profile Description #2
 See Soil/Site Evaluation
 Data Form

Profile Description #3
 See Soil/Site Evaluation
 Data Form

Adams
 Soil Consulting
 919-414-6761
 Job #1215
 5-23-25

GRAPHIC SCALE

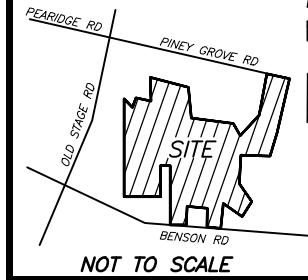
1" = 50'



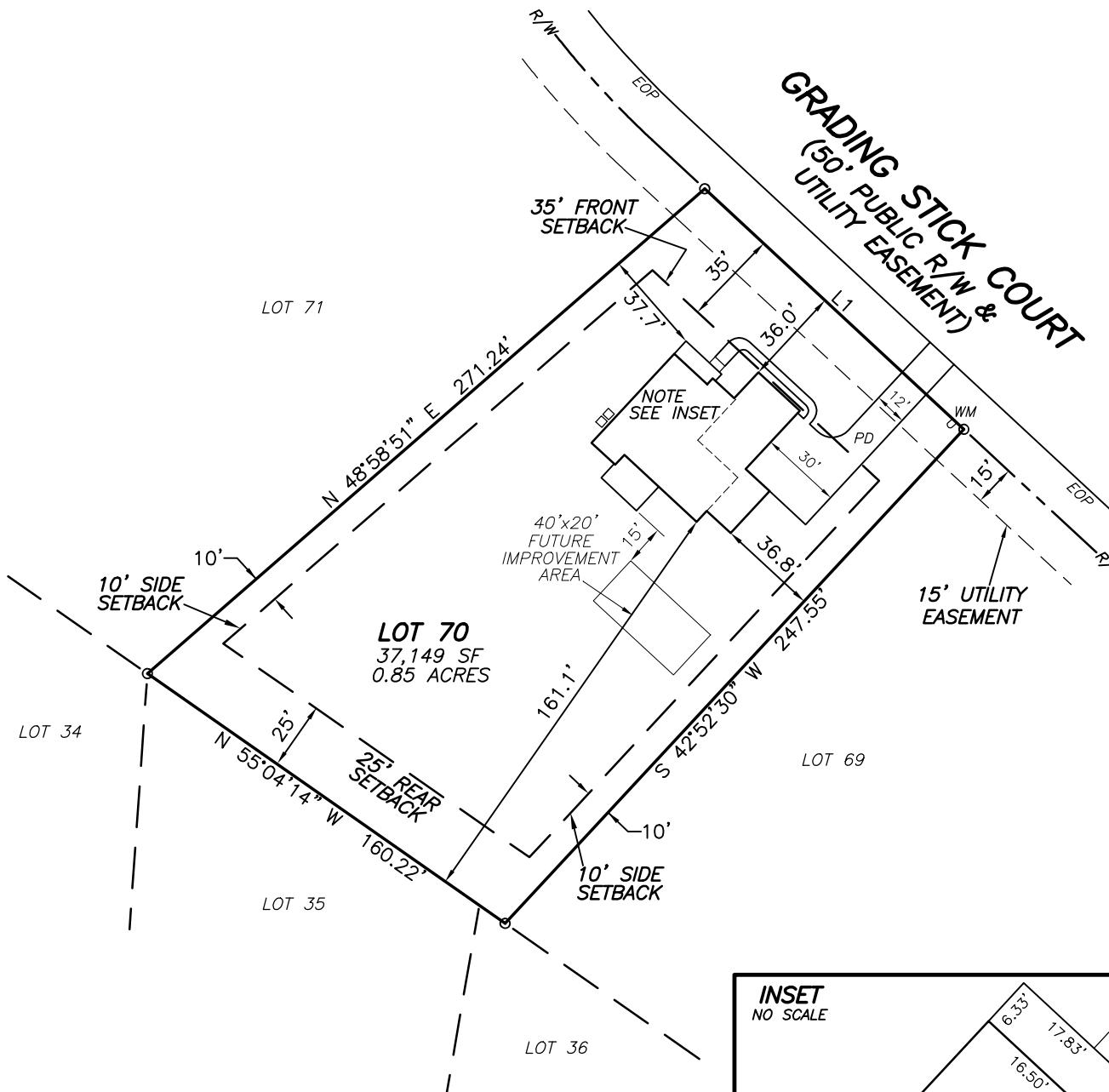
LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 47°07'30" E	129.83'

PROPOSED IMPERVIOUS SURFACES:
 TOTAL LOT AREA=37,149 S.F.
 HOUSE/PORCHES=2,913 S.F.
 DRIVEWAYS/ETC.=1,508 S.F.
 TOTAL IMPERVIOUS AREA=4,421 S.F.
 MAX. IMPERVIOUS AREA=5,500 S.F.

VICINITY MAP



REFERENCES:
 1. D.B. 4216, PG. 2256
 PIN 0693-25-1966.000
 PID 040693 0030 86



SETBACKS
 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

NOTES:

- ALL EASEMENTS, RIGHTS OF WAY AND BOUNDARY INFORMATION TAKEN FROM P.B. 2025, PG 25-28 UNLESS OTHERWISE NOTED.
- PROPERTY IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD. NO TITLE EXAMINATION HAS BEEN DONE BY ROBINSON & PLANTE, P.C.
- INDIVIDUAL ON SITE SEPTIC SYSTEM FOR ALL LOTS
- WATER TO BE PROVIDED BY HARRETT COUNTY PUBLIC UTILITIES
- NO ENCROACHMENTS INTO THE WETLANDS WILL BE ALLOWED. LOTS TO BE INTERNALLY ACCESSED ONLY.
- ONLY N.C. DEPARTMENT OF TRANSPORTATION APPROVED STRUCTURES ARE TO BE CONSTRUCTED ON PUBLIC RIGHT OF WAY.
- ANY PARCELS OR EXCLUDED AREAS ARE TO BE SERVED INTERNALLY WITH NO ACCESS ONTO DEPARTMENTAL RIGHT OF WAY.
- 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 70 TOBACCO ROAD SUBDIVISION
PHASE 2
385 GRADING STICK COURT
HARRETT COUNTY
ANGIER, NC 27501

REFERENCE: PLAT BOOK 2025 PAGE 25-28

I CERTIFY THAT THIS MAP WAS DRAWN
UNDER MY SUPERVISION FROM AN ACTUAL
SURVEY MADE UNDER MY SUPERVISION
DESCRIPTION RECORDED IN REFERENCES AS SHOWN;
THAT THE BOUNDARIES NOT SURVEYED ARE
INDICATED AS DRAWN FROM INFORMATION
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).
THIS _____ DAY OF _____, 2025.

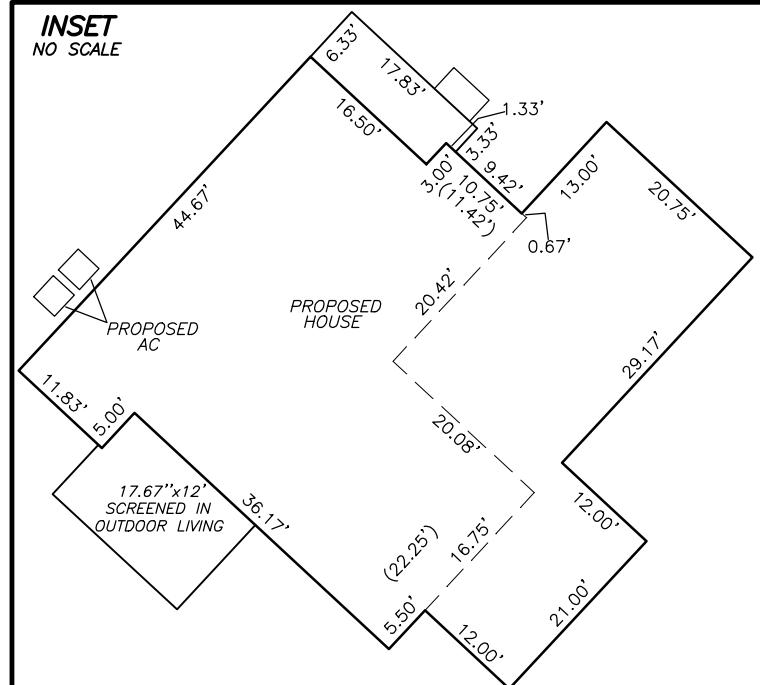
PROFESSIONAL LAND SURVEYOR L-4433

VANDERBURGH
ELEV. P
SEALED CRAWL SPACE
SCREENED IN OUTDOOR LIVING
CARRIAGE GARAGE
GARAGE LEFT SIDE

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

DATE: 5-7-25

SCALE: 1"=60'



SURVEY FOR
DREES HOMES

0 60' 120' 180'



GRAPHIC SCALE

FILE: TBRDLT70PP



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/22/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERs NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER		CONTACT NAME: Angela Sensenig PHONE (A/C, No. Ext): (252) 631-5269 FAX (A/C, No.): (252) 649-2443 E-MAIL ADDRESS: asensenig@wadeict.com			
Wade Associates, LLC 250 Pollock St.					
New Bern NC 28560		INSURER(S) AFFORDING COVERAGE NAIC #			
		INSURER A: Lloyd's of London A1122J			
INSURED		INSURER B:			
Alex Adams, DBA: Adams Soil Consulting 1676 Mitchell Rd.		INSURER C:			
		INSURER D:			
Angier NC 27501		INSURER E:			
		INSURER F:			

COVERAGEs **CERTIFICATE NUMBER: 25-26** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS					
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	\$				
	CLAIMS-MADE <input type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$				
							MED EXP (Any one person)	\$				
							PERSONAL & ADV INJURY	\$				
							GENERAL AGGREGATE	\$				
							PRODUCTS - COMP/OP AGG	\$				
	GEN'L AGGREGATE LIMIT APPLIES PER:					OTHER:	\$					
	POLICY <input type="checkbox"/> PRO- JECT <input type="checkbox"/> LOC						\$					
							\$					
							\$					
							\$					
							\$					
	AUTOMOBILE LIABILITY					COMBINED SINGLE LIMIT (Ea accident)	\$					
	ANY AUTO					BODILY INJURY (Per person)	\$					
	ALL OWNED AUTOS					BODILY INJURY (Per accident)	\$					
	HIRED AUTOS					PROPERTY DAMAGE (Per accident)	\$					
							\$					
							\$					
	UMBRELLA LIAB					EACH OCCURRENCE	\$					
	EXCESS LIAB					AGGREGATE	\$					
							\$					
	DED <input type="checkbox"/> RETENTION \$						\$					
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY									PER STATUTE	OTH- ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)									E.L. EACH ACCIDENT	\$	
If yes, describe under DESCRIPTION OF OPERATIONS below	E.L. DISEASE - EA EMPLOYEE	\$										
	E.L. DISEASE - POLICY LIMIT	\$										
		\$										
		\$										
A	Errors & Omissions			PSN0040221161	1/31/2025	1/31/2026	Each Occurrence	\$1,000,000				
							General Aggregate	\$1,000,000				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

FOR INFORMATIONAL PURPOSES ONLY

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

N Whitsett/RACHEL

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