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	n	
IMPROVEMENT F	PERMIT FOR G.S. 130A-3	335(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	e 🗌
Proposed Structure:			
Number of bedrooms: Number of Occupants: Of	ther:		
Design Wastewater Strength: 🗌 domestic 📗 hig	gh strength 🔲 indu	strial process	
Proposed Design Daily Flow: GPD Propo	sed LTAR (Initial):	Proposed LTAR (Repair):	
Proposed Wastewater System Type*:	(Initial) Pump	Required: 🗌 Yes 📗 No	May be required
Proposed Wastewater System Type*:	(Repair) Pump	Required: 🗌 Yes 🔲 No	May be required
*Please include system classification for proposed wastewater sys	stem types in accordance with 1	5A NCAC 18A .1961 Table	V(a)
Saprolite System (initial): Yes No Saprolite System	n (repair): 🗌 Yes 🔲 No		
Fill System (Initial): Yes No If yes, specify: New	Existing (when adding more tha	nn 6 inches of fill to systen	n area provide a fill plan)
Fill System (repair): 🗌 Yes 🔲 No If yes, specify: 🔲 New 📗	Existing (when adding more that	an 6 inches of fill to syster	n area provide a fill plan)
Usable Soil Depth (Initial): Usable Soil Dept	th (Repair):		
Max. Trench Depth (Initial) [‡] : Max. Trench De	pth (Repair)‡:	_ [‡] Measured on the dow	nhill side of the trench
Artificial Drainage Required: \square Yes $\ \square$ No $\ $ If yes, please specif	y details:		
Type of Water Supply: 🗌 Private well 🔃 Public well 🔲 Sha	red well Municipal Suppl	y Spring Oth	er:
Drainfield location meets requirements of Rule .1945: Yes 🔲 🛚 I	No Drainfield location med	ets requirements of Rule .	1950: Yes 🗌 No 🗌
Permit valid for: $igsqcup$ Five years [site plan submitted pursuant to G	S 130A-334(13a)] 🗌 No expira	ation [plat submitted purs	uant to GS 130A-334(7a)
Permit conditions:			
Licensed Soil Scientist Print Name: Licensed Soil Scientist Signature:		Date:	
CICEUSEO SOU SCIENTIST SIGNATURE: /XI X V X /XI/M//////XY		i lato:	

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 #:

This Section for Local Health Department Use Only

Initial subn	nittal received:		by		
		Date	Initials	5	
G.S. 130A-335(a3) states the following:					
When an applicant for an Improvement Permit submits to department, the common form developed by the Departm within five business days of receiving the application, condepermit includes all of the required components. If the local shall notify the applicant of the components needed to condepartment to cure the deficiencies in the Improvement Persis complete within five business days after the local health act within any period set out in this subsection, the applications form for use as the Improvement Permit.	ent, and a soil evaluati duct a completeness rev I health department de mplete the Improvemer ermit. The local health o department receives ti	on pursuant to su view of the submit termines that the nt Permit. The app department shall he additional info	bsection (a2) of thi tal. A determinatic Improvement Pern Ilicant may submit make a final detern rmation from the a	is section, the local hea on of completeness me nit is incomplete, the lo additional information mination as to whether applicant. If the local he	Ith department shall, ans that the Improvement cal health department to the local health the Improvement Permit ealth department fails to
The review for completeness of this Improvem Permit is determined to be:	ient Permit was co	onducted in ac	cordance with (G.S. 130A-335(a3)	. This Improvement
☐ Incomplete (If box is checked, information	ı in this section is r	equired.)			
The following items are missing:					
Copies of this were sent to the LSS and the Ap		Date			
State Authorized Agent:				Date:	
☐ Complete	3//0			121	
State Authorized Agent:				Date:	
This Improvement Permit is issued pursuant to attached here. The issuance of this permit by permit holder is responsible for checking with to revocation if the site plan, plat, or the interownership of the site. This permit is subject to Disposal and to the conditions of this permit.	y the Health Depar n appropriate gove nded use changes. to compliance witl	rtment in no we erning bodies . The Improve	ay guarantees in meeting the ement Permit s	the issuance of o ir requirements. T shall not be affecte	ther permits. The his permit is subject ed by a change in
The Department, the Department's authorize any liabilities, duties, and responsibilities imp evaluations, submittals, or actions from a lice	osed by statute o	r in common l	aw from any cl	laim arising out of	or attributed to
Improvement Permit Expiration Date:					

See attached site sketch



Permit #:

Re-submittal of Improvement Permit

				
	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:	
		55000		
	STA	Trul	A.	
is accurate and o	hereby attest that cicentist (Print Name) complete to the best of my knowledge and that the prelaws, regulations, rules, and ordinances.		required to be included with ement Permit meets all appli	
Signature	e of Licensed Soil Scientist		Date	
I HD Follow-u	The section below is for Local Health Department use of up Completeness Review of Improvement Pe		items noted as missing above.	
The review for c	ompleteness of this Improvement Permit re-submitta ermit 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:	



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

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

County:
PIN/Lot Identifier:
Issued 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? Yes No Basement Fixtures? Yes No
Type of Wastewater System*(Initial)(Repair
*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?
Installation Requirements/Conditions
Septic Tank Size: gallons Total Trench/Bed Length: feet Trench/Bed Spacing: feet on center
Trench/Bed Width: inches LTAR: gpd/ft ²
Soil Cover: inches Slope Corrected Maximum Trench/Bed Depth [‡] : inches [‡] 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?
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:
<u>Legal Agreements</u> (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)]:
Declaration of Restrictive Covenants:
Pre-Construction Conference Required: Yes No No
Conditions:
ACCOUNT TO THE PROPERTY OF THE
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: 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 #:

This Section for Local Health Department Use Only

	Initial submittal received:	by	
		Date	Initials
G.S. 130A-335(a5) states the following	_		
mprovement Permit and Construction All Department, and any necessary signed a singineer or a person certified pursuant to department shall, within five business dath the Construction Authorization or Improventeermines that the Construction Authorization of the components needed to conditional information to the local health Authorization. The local health department fails to act within any period apply for the building permit for the project of the pro	othorization application together, the period sealed plans or evaluations conducted particle 5 of Chapter 90A of the General ys of receiving the application, conduct a tement Permit and Construction Authorization or Improvement Permit and Consideration or Improvement Permit and Consideration or Improvement Permit and Consideration of Improvement Permit and Consideration as the shall make a final determination as to interest and the subsection, the applicant action of the decision of completeness of the permit of the local health department fair in pursuant to this subsection may requited Construction Authorization for cause. Let	rmit fee charged by the lood by a person licensed purson licensed purson licensed purson licensed purson licensed purson licensed purson licensed l	ntion together, submits a Construction Authorization, or an cal 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 the complete, the local health department shall notify the add Construction Authorization. The applicant may submit tion or Improvement Permit and Construction on Authorization or Improvement Permit and Construction and information from the applicant. If the local health that as a determination of completeness. The applicant may ration or Improvement Permit and Construction ass days. The Authorized On-Site Wastewater Evaluator or repartment revoke or suspend the Construction as Authorized On-Site Wastewater Evaluator or licensed and Construction Authorization pursuant to G.S.
The review for completeness of t	this Construction Authorization v	was conducted in acc	ordance with G.S. 130A-335(a5). This
Construction Authorization is de	termined to be:		
☐ Incomplete (If box is checked	d, information in this section is re	equired.)	
The following items are missing:			
Copies of this were sent to the A	OWE/PE and the Applicant on _	Date	W 76 /
State Authorized Agent:			Date:
Complete	I levine	100	15/8
State Authorized Agent:	M M PRIL	12 1776	Date of Issuance:
attached here. This Construction Construction Authorization shall to compliance with the provision. The Department, the Department in liabilities, duties, and respondans, evaluations, preconstruct the General Statutes as a license Authorized On-Site Wastewater agents, and the local health department in the Statutes as a license agents, and the local health department in the statutes are said the local health department in the statutes are said the local health department in the statutes are said the local health department in the statutes are said the sai	n Authorization is subject to revaluation has affected by a change in the new 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), (ocation if the site plan ownership of the site wage Treatment and local health department in common law from tals, or actions from a pursuant to Article (a5), and (a7). The Dend bear liability for the	ing the signed and sealed plans or evaluations an, plat, or the intended use changes. The see. This Construction Authorization is subject Disposal and to the conditions of this permit. The shall be discharged and released from any claim arising out of or attributed to 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:		
	dia .		

See attached site sketch



Permit #:

Re-submittal of Construction Authorization

	LHD USE ONLY: This CA result mittal resolved:		by.	
	LHD USE ONLY: This CA resubmittal received: _	Date	by	
The following in	tems are being resubmitted pursuant to G.S. 130A-33	35(a5) for issuance of	of the Construction Authoriza	ation:
		A THE A		
l,		at the information r	equired to be included with	this re-submittal
is accurate and	nsite Wastewater Evaluator (Print Name) complete to the best of my knowledge and that the and local laws, regulations, rules, and ordinances.	proposed Construct	tion Authorization meets all	applicable
Signatur	re of Authorized On-Site Wastewater Evaluator		Date	
LHD Follow-ı	The section below is for Local Health Department us		ems noted as missing above.	
The review for o	completeness of this Construction Authorization reson Authorization is determined to be:		ucted in accordance with G.S	i. 130A-335(a5).
☐ Incomplete ((If box is checked, information in this section is requ	ired.)		
The following it	ems are missing:			
	ALIO 30°	M VIDER		
Copies of this w	vere sent to the AOWE/PE and the Applicant on	Date	-	
State Authorize	d Agent:		Date:	
☐ Complete				
State Authorize	d Agent:		Date:	

V.2023.07

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

alexadams@bcsoil.com

April 17, 2025 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)"

RE: Tobacco Road Subdivision - Lot #102 – 134 Cultivator Ct., Angier NC (Harnett County) for Davidson Homes (PIN#0693-26-0995)

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 360 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 360 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

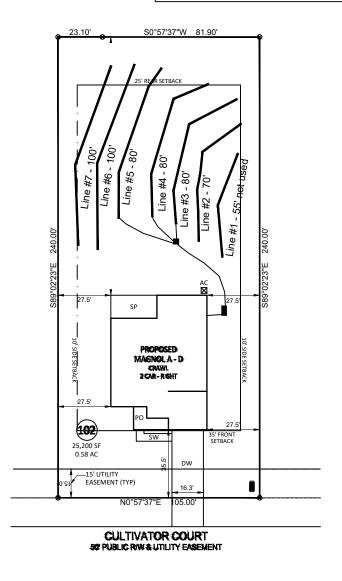




Tobacco Road S/D - Lot #102 360 Gallons/Day - Septic Design 134 Cultivator Road Davidson Homes

Harnett County PIN: 0693-26-0995

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



**1000 Gallon Septic 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.

System: Gravity to D-Box Lines: 3-5 (240')

0.4 LTAR

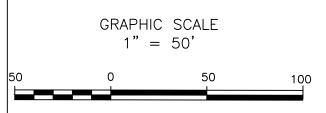
24" Max Trench Bottom Accepted Status System Repair: Gravity to serial

Lines: 2, 6-7 (270')

0.4 LTAR

24" Max Trench Bottom Accepted Status System

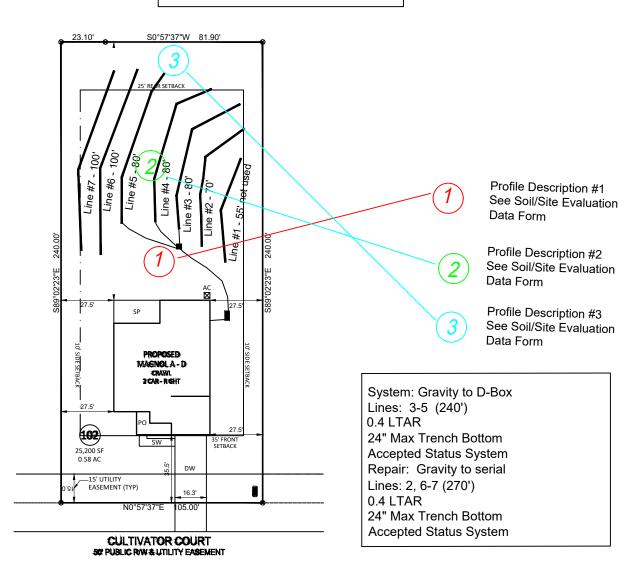
Adams
Soil Consulting
919-414-6761
Job #1215
4-17-25



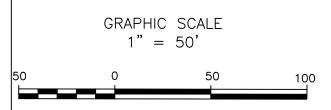
Tobacco Road S/D - Lot #102 Soil Boring Locations 134 Cultivator Road Davidson Homes

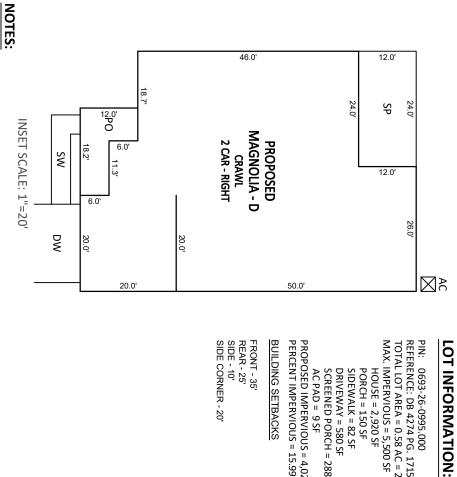
Harnett County PIN: 0693-26-0995

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



Adams
Soil Consulting
919-414-6761
Job #1215
4-17-25

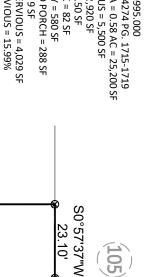


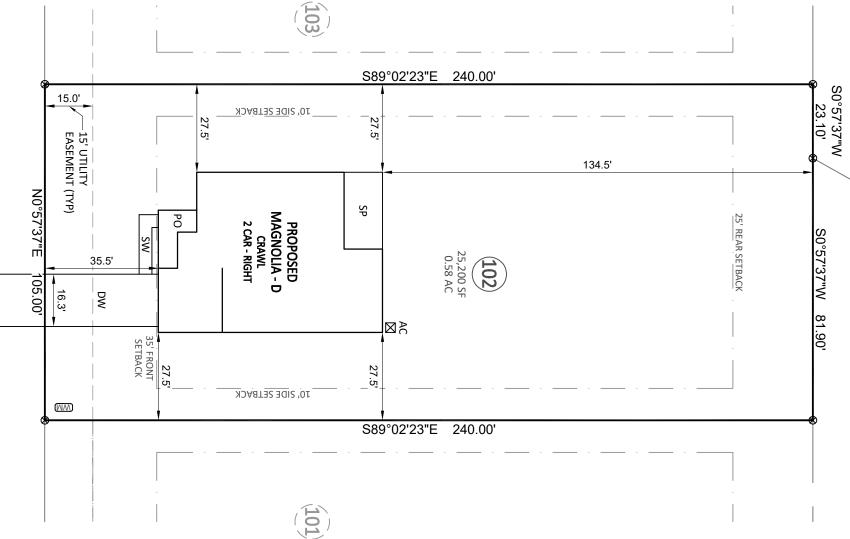


(106)

BK2025 PGS. 25-28

TOTAL LOT AREA = 0.58 AC = 25,200 SF MAX. IMPERVIOUS = 5,500 SF PIN: 0693-26-0995.000 REFERENCE: DB 4274 PG. 1715-1719 PERCENT IMPERVIOUS = 15.99% PROPOSED IMPERVIOUS = 4,029 SF DRIVEWAY = 580 SF SCREENED PORCH = 288 SF AC PAD = 9 SF PORCH = 150 SF SIDEWALK = 82 SF HOUSE = 2,920 SF





Bateman Civil Survey Company

2524 Reliance Avenue, Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1081 Engineers • Surveyors • Planners

www.batemancivilsurvey.com

NCBELS Firm No. C-2378

info@batemancivilsurvey.com

Ē GEND

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CINITY MAP

(Not to Scale)

PO = COVERED FRONT POR CP = COVERED PORCH SP = SCREENED PORCH SW = SIDEWALK
DW = CONC DRIVEWAY
SP = SCREENED PORCH
P = CONCRETE PATIO
© = COMPUTED POINT
O = IRON PIPE FOUND (IPF)
© = IRON PIPE SET (IPS)
O = DRILL HOLE FOUND
MM = WATER METER
CO = CLEAN OUT
AC = AIR CONDITIONER PACE = CATCH BASIN
CA = LIGHT POLE
HAND HOLE
HE = HAND HOLE
HAND HOLE
FIRE HYDRANT
YI = YARD INLET
G = GAS METER
E = ELECTRIC METER
E = ELECTRIC METER = IRON PIPE FOUND (IPF) = IRON PIPE SET (IPS) = DRILL HOLE FOUND = COVERED FRONT PORCH = COVERED PORCH

= AIR CONDITIONER PAD = SEWER MANOLE = TELEPHONE PEDESTAL

FROM INFORMATION LISTED UNDER REFERENCES;
THAT THE RATIO OF PRECISION AS CALCULATED IS
1:10,000+; AND THAT THIS MAP MEETS THE
REQUIREMENTS OF THE STANDARD OF PRACTICE FOR
LAND SURVEYING IN NORTH CAROLINA. L-4752 I, STEVEN P. CARSON, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY DIRECT SUPERVISION FROM A SURVEY MADE UNDER MY SUPERVISION (PLAT BOOK REFERENCED IN TITLE BLOCK); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN This map is of an existing parcel of land PREI MINARY.

and is only intended for the parties and purposes shown. This map not for recordation. No title report provided.

6

THE BASIS OF NORTH AND ALL EASEMENTS, RIGHTS-OF-WAYS, BUFFERS, SETBACKS AND ADJOINERS, ETC. REFERENCED IN TITLE BLOCK.

7.

NO INVESTIGATION INTO THE EXISTENCE OF JURISDICTIONAL WETLANDS, FLOOD ZONES OR RIPARIAN BUFFERS PERFORMED BY THIS FIRM. ALL LINES SHOWN, IF ANY, ARE SCALED FROM THE RECORDED PLAT.

9

ZONING: RA-30

10. BUILDER/DEVELOPER:

DAVIDSON HOMES 1903 NORTH HARRISON AVE CARY, NC 27513

œ

SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.

4

ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM UNLESS OTHERWISE SHOWN.

ω

PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND PLATS OF PUBLIC RECORD, AND INFORMATION

SUPPLIED TO THE SURVEYOR BY THE CLIENT.

2. THIS PLAN HAS BEEN PREPARED FOR LAYOUT AND PERMITTING PURPOSES

THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS.

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THIS MAP IS NOT FOR RECORDATION AND SHOULD BE REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.

IMPERVIOUS NOTED ON THIS PLOT PLAN **BUILDER TO VERIFY HOUSE LOCATION DIMENSIONS AND REVIEW TOTAL**

PRELIMINARY PLOT PLAN

DAVIDSON HOMES

BLACK RIVER TOWNSHIP, HARNETT COUNTY **TOBACCO ROAD - PHASE 2 - LOT 102** 134 CULTIVATOR COURT, ANGIER, NC

ATE: 3/17/25 DRAWN BY: MJA CHECKED BY: SPC

D

REFERENCE: BK2025

50' PUBLIC R/W & UTILITY EASEMENT

CULTIVATOR COURT

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Davidson Homes

ADDRESS:

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

LOCATION OF SITE: 134 Cultivator Ct. Angier NC 27501, Angier, NC, 27501

WATER SUPPLY: Public Water EVALUATION METHOD: Au

APPLICATION DATE: DATE EVALUATED: 4-16-25

PROPERTY SIZE: .58 Acres

	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/ TEXTLSE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
	Linear Slope/5%	0-40	GR/SL	VFR,NS,NP,SEXP	N.O	N/A	N.O	N.O	P.S .4
	Linear Slope/5%	0-40	GR/SL	VFR,NS,NP,SEXP	N.O	N/A	N.O	N.O	P.S .4
	Linear Slope/5%	0-40	GR/S1	VFR,NS,NP,SEXP	N.O	N/A	N.O	N.O	P.S .4
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):				
Available Space (.1945)	S	S	SITE CLASSIFICATION (.1948): PS				
System Type(s)	Type III g	Type III g	EVALUATED BY:A. Adams OTHER(S) PRESENT:				
Site LTAR	0.4	0.4					

COMMENTS: Updated February 2014